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NITROSource Range

High Efficiency Nitrogen Gas Generators
Sizing and Selection Guide

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Industrial Nitrogen Gas Applications

There are thousands of applications for industiral gasses. Nitrogen is generally used for three main functions:

- It prevents microbial growth or acts as a filler gas in food applications
- It prevents slow oxidization of products such as chemicals and metals during pricessing or heating
- It prevents rapid oxidization of products that are flammable or explosive

Pharmaceutical

Whether in primary or secondary pharmaceutical product manufacture or as a centralised QA laboratory supply; within research establishments or universities and colleges, Parker can offer a solution to suit the critical demands of this industry sector.

For blanketing of pharmaceutical product ingredients and pressure transfer within reactor vessels, to micronising powders to prevent oxidisation or explosion, Parker nitrogen generators can cut costs, reduce risk and improve productivity.

Centralised laboratory systems remove the need to have high pressure cylinders within the working environment and the possibility of running out of gas during a QA analysis procedure. Parker nitrogen gas generators are typically used for analytical equipment such as LC/MS, GC, reaction blanketing within fume cupboards, solvent evaporation, ICP, ELSD, NMR and circular dichroism.

Food and Beverage

Most food products start to deteriorate from the moment they are harvested or prepared for packaging, being under attack from a multitude of spoilage mechanisms. By flushing, storing and/or packing with nitrogen, oxygen that many of these micro-organisms need in order to survive and multiply, is removed and the spoilage process is significantly reduced.

Prepared salads and vegetables, fresh chilled ready meals, meat, poultry, fish, dairy produce (including cheese), breads, coffee as well as snack foods such as potato chips and nuts can all benefit from ‘modified atmosphere packaging’ (or MAP as it is often referred to). By using nitrogen gas from a Parker generator, the product shelf life is increased and the appearance and quite often taste, is also improved.

Nitrogen is also used for ‘controlled atmosphere storage’ of fresh fruits and vegetables, sparging and blanketing food oils as well as bulk powders, cereals and liquid ingredients.

Alcoholic and non-alcoholic drinks and ingredients can suffer similar spoilage mechanisms to food, however one of the most significant threats to product quality is oxidisation which adversely affects product taste. Beer and wine can absorb unwanted dissolved oxygen throughout the production process. Oxygen can also reduce the effectiveness of natural or added vitamin C which maybe used in fruit juices.

Nitrogen gas generators provide an ideal cost effective solution for all of the processes involved in beverage production.

Lasers

Laser Cutting

By far the largest use of nitrogen gas within this industry sector is for laser cutting. Nitrogen gas is used as an ‘assist gas’ to prevent oxidisation or discolouration and to blow away the molten material from the cut edge. It is also used in certain types of laser cutting machine as a ‘purge gas’ to ensure the laser beam guide path from the resonator (where the beam is generated), to the cutting head, is free of contamination that could otherwise affect the power or alter the shape of the beam.

Laser Sintering

Laser sintering or rapid prototyping uses a laser to form a solid 3D structure within a plastic powder material. Complex shapes and patterns can be constructed and modelled with ease. Nitrogen is used to blanket and prevent oxidisation of the powder material while it melts and solidifies to shape under the heat generated by the laser beam.

Laser Ablation

Nitrogen is used to expel fumes and blanket delicate electronic circuits where a laser beam is used to erode pathways on micro printed circuit boards.

Laser Eye Surgery

Nitrogen is used as a beam purge and pneumatics gas on Eximer laser machines which are used in the corrective treatment of eyesight defects.

Heat Treatment

Nitrogen gas is commonly used to exclude oxygen from heat treatment furnaces and ovens. Parker can supply nitrogen gas generation systems to replace expensive bulk vessel liquid supplies for many heat treatment processes.

Fire Prevention and Archive Protection

From the preservation of treasures for the generations after us, to preventing essential data destruction due to fire, Parker nitrogen generators provide a unique solution.

Oxygen depleted air can be pumped into buildings that house treasures and archives or computer stored data to help prevent total loss caused by fire. Museum pieces, paintings, artefacts, furniture and valuable fabrics can all be protected.

In general, only a modest reduction in normal ambient oxygen levels is enough to prevent fire. At 16% oxygen content, archives are protected whilst intermittent human exposure to these levels will have no adverse effects.

What Nitrogen Quality Do I Need?

Traditional gas companies generally provide gas that is of high purity regardless of whether the application or process needs it. This is a result of the ASU manufacturing process. Typically cylinder and liquid nitrogen has a maximum remaining oxygen content of between 5ppm to 20ppm v/v.

The majority of applications do not need such high purity gas and the benefit of using a higher oxygen content Parker generated gas is that less energy is used to produce it, so the unit gas cost will be more competitive.

For example using nitrogen with a maximum remaining oxygen content of 5% uses 5 times less energy to generate than with a maximum remaining oxygen content of 10ppm. Providing customers with ultra-high purity nitrogen in all instances is an unnecessary waste of money and energy.

What do we mean by 'purity'?

By purity Parker means the maximum remaining oxygen content in the output nitrogen gas. Parker nitrogen gas generation technology when combined with Parker compressed air pre-treatment, guarantees the nitrogen gas to be commercially sterile, oil-free, dry and particulate free (Within the specifications defined in the product information data).

The maximum remaining oxygen content required will vary with every application.
Maximum cost and energy savings = maximum oxygen level permissible

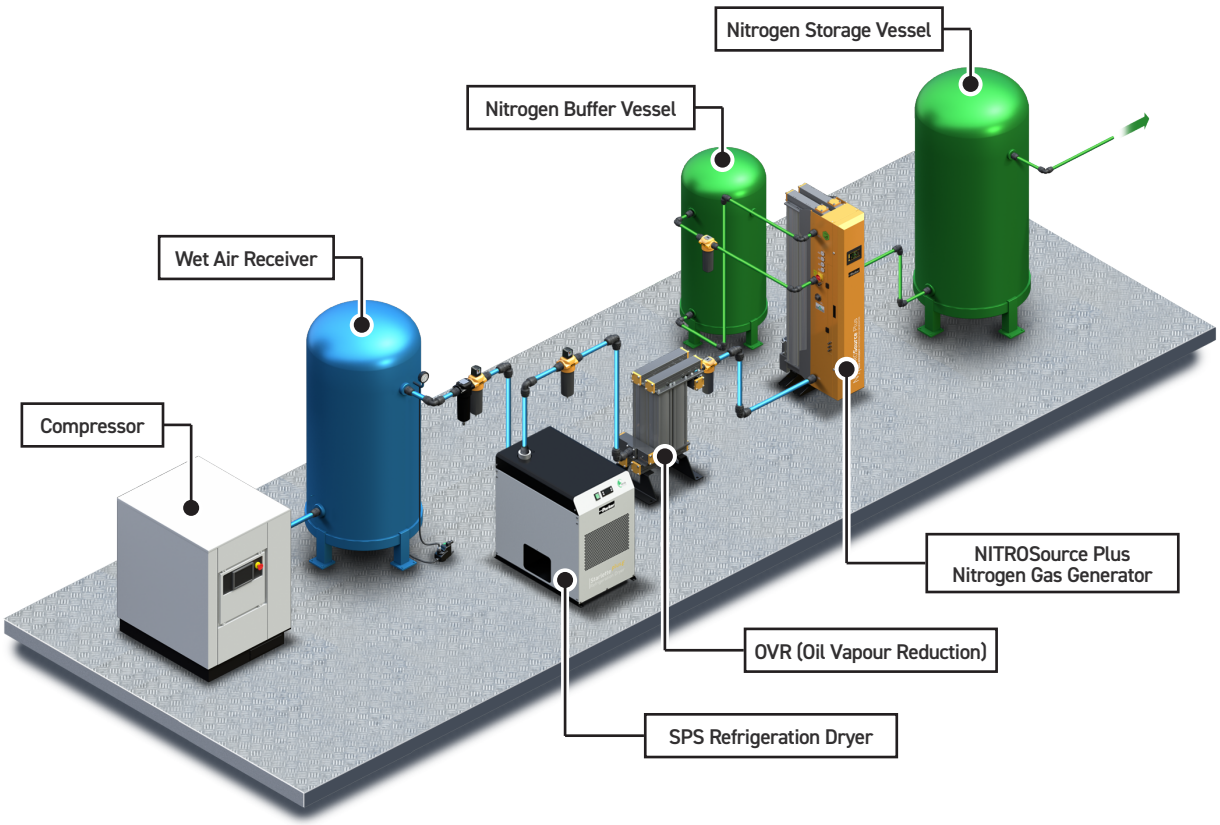
Laser Cutting 50 to 500ppm	**Wine Blanketing** 0.5%	**Explosion Prevention** 2.0 to 5.0%
Heat Treatment 10 to 1000ppm (0.1%)	**Oil Sparging** 0.5%	**Pressure Testing** 5.0%
Electronics Soldering 50 to 500ppm	**Brazing** 0.5%	**Gas Seal Blanketing** 5.0%
Pharmaceutical 50 to 500ppm	**Injection Moulding** 0.5 to 1.0%	**Chemical Blanketing** 1.0 to 5.0%
Food MAP 1000ppm (0.1%) to 1.0%	**Wire Annealing** 0.5%	**Autoclaves** 5.0%
Food Processing 1000ppm (0.1%) to 1.0%	**Aluminium Sparging** 0.5%	**Laser Sintering** 2.0%
Beer Dispense 0.5%	**Fire Prevention** 5.0%	**Dry Boxes** 2.0%

NOTE: When sizing and selecting a generator model, an important factor is ensuring the part number configuration reflects the correct purity required for your application or process. NITROSource Plus generators are catagorised under 3 purity scales:

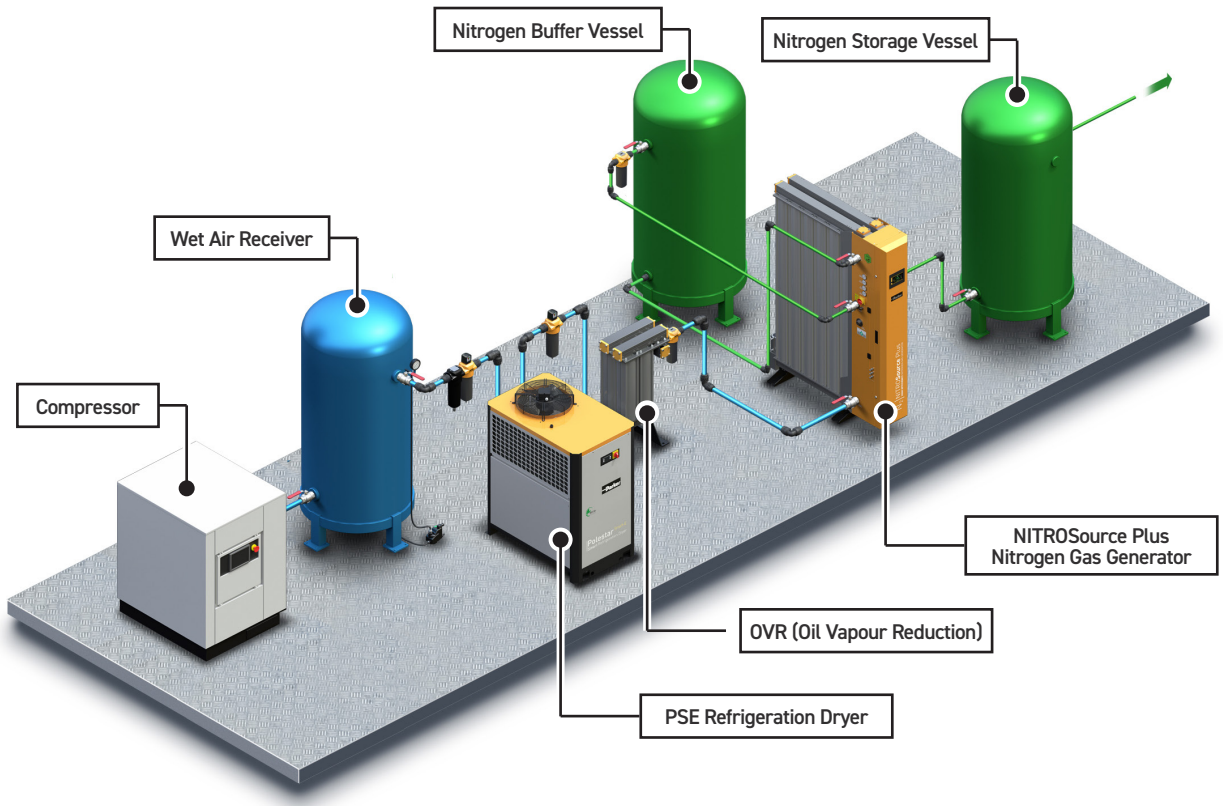
Purity (Remaining Oxygen Content)										
5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
Ultra-High Purity			High Purity				Low Purity			

System Layout Examples

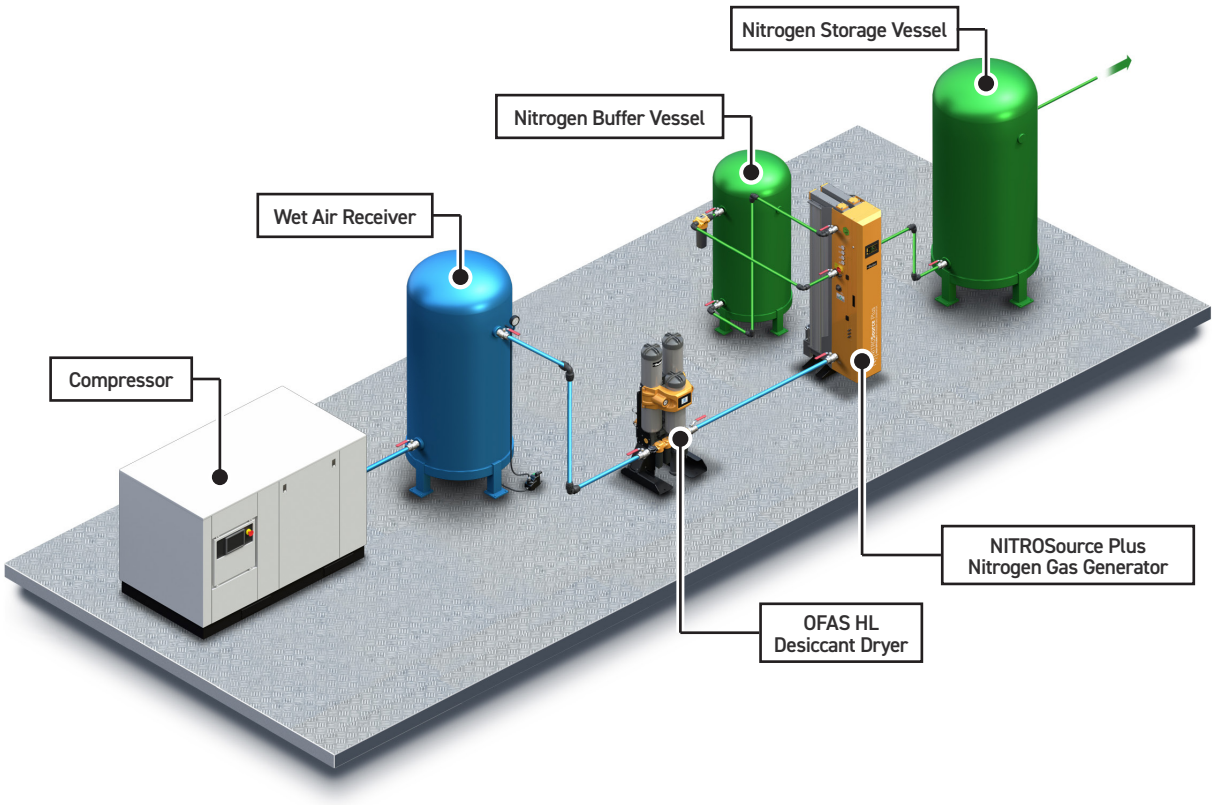
NSP-020 Installation with SPS Refrigeration Dryer and OVR



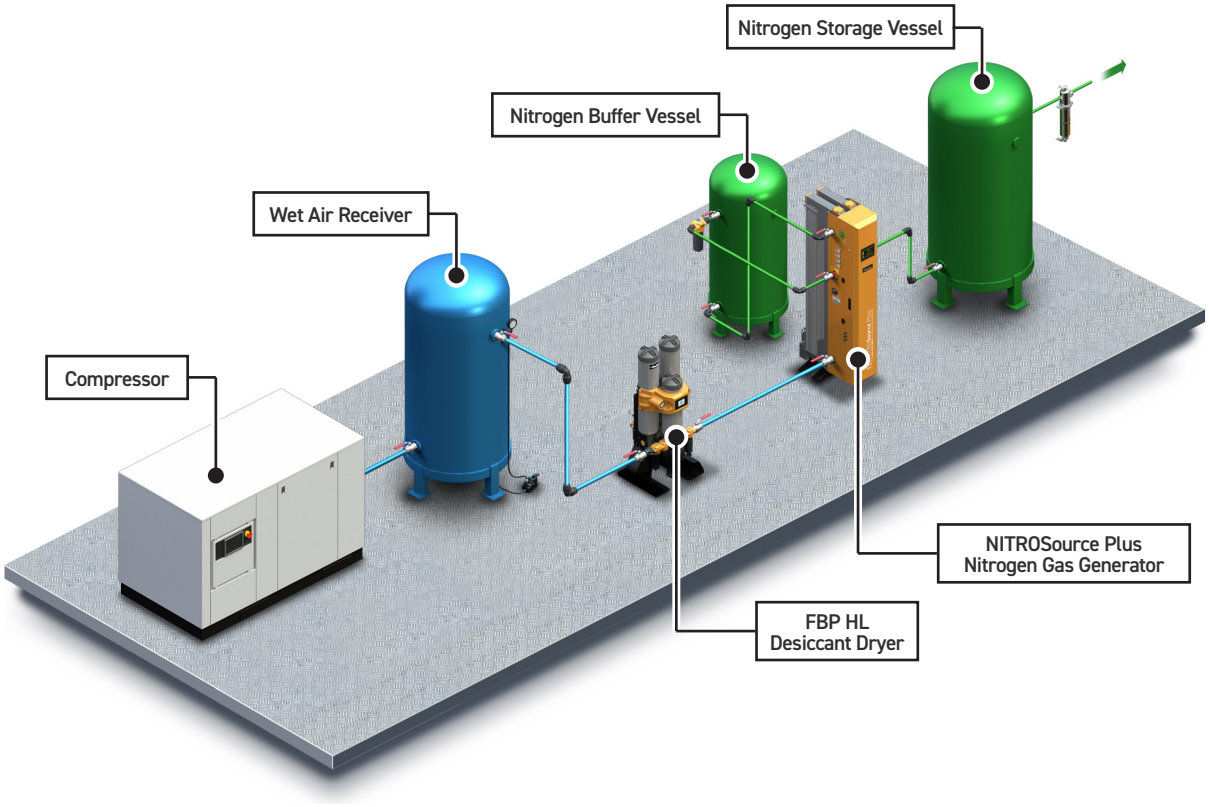
NSP-060 Installation with PSE Refrigeration Dryer and OVR



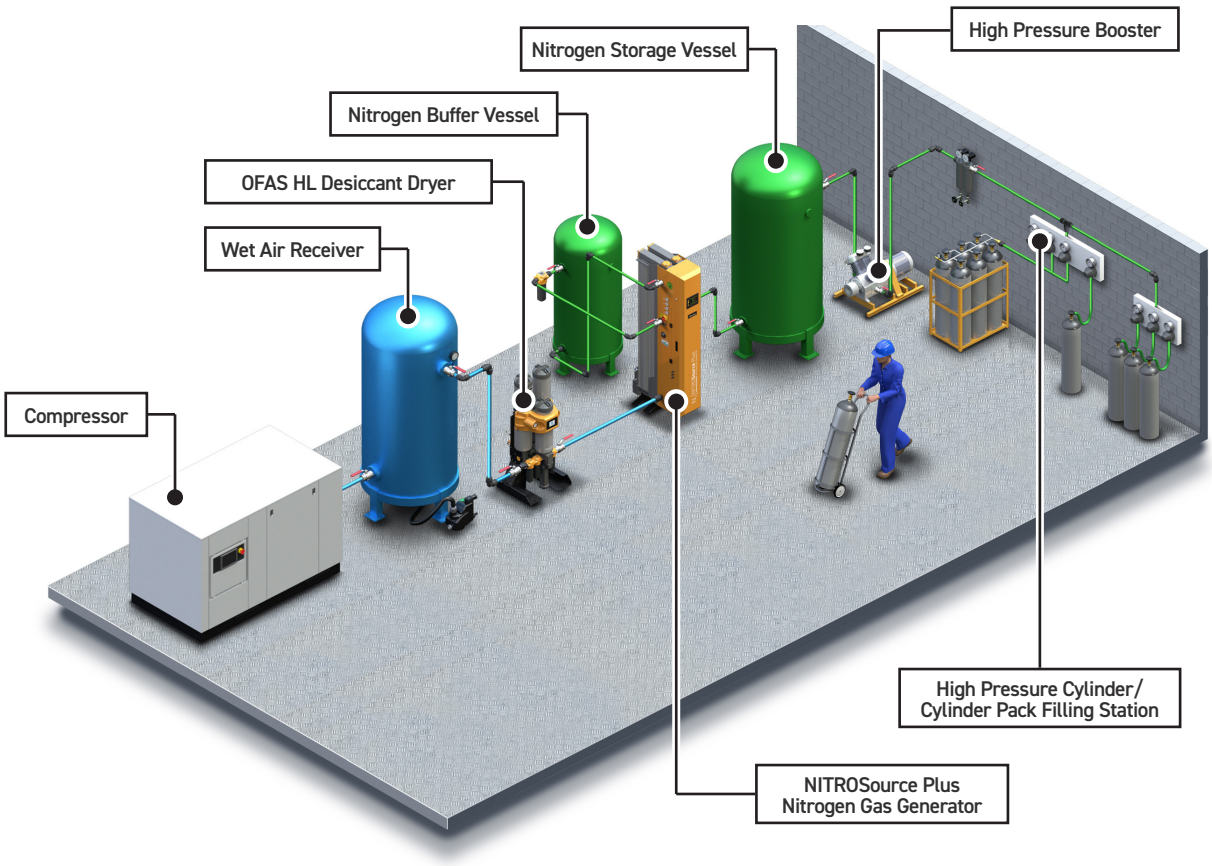
NSP-020 Installation with OFAS HL Desiccant Dryer



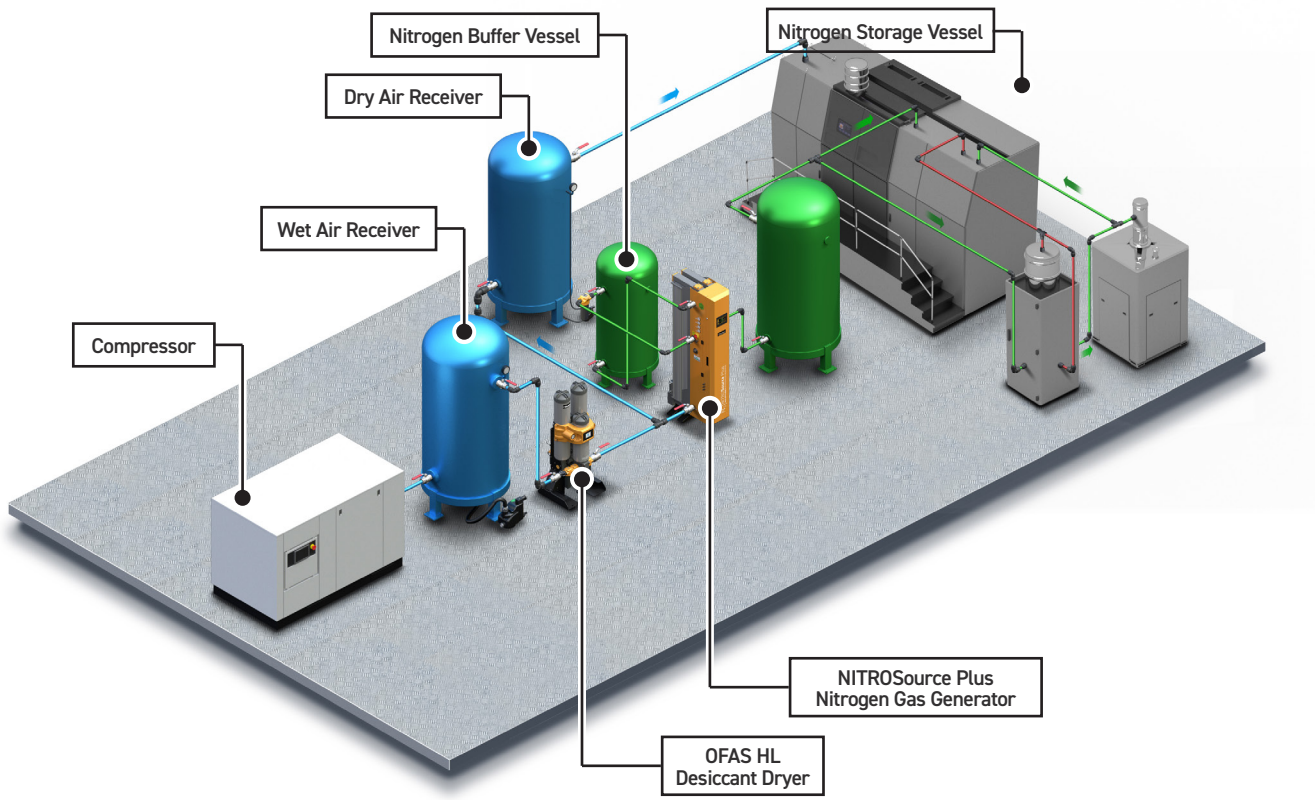
NSP-020 Installation with FBP HL Desiccant Dryer



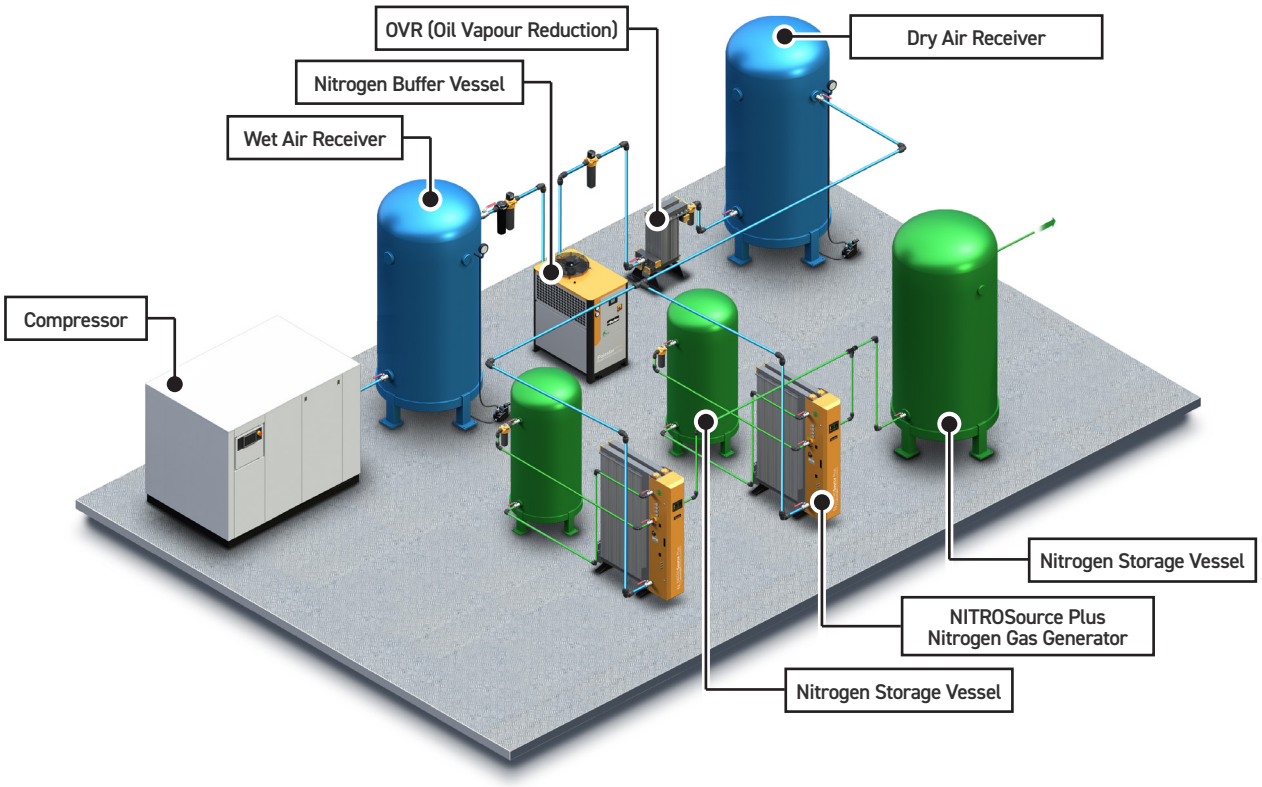
NSP-020 Installation with OFAS HL Desiccant Dryer for High Pressure Cylinder Filling



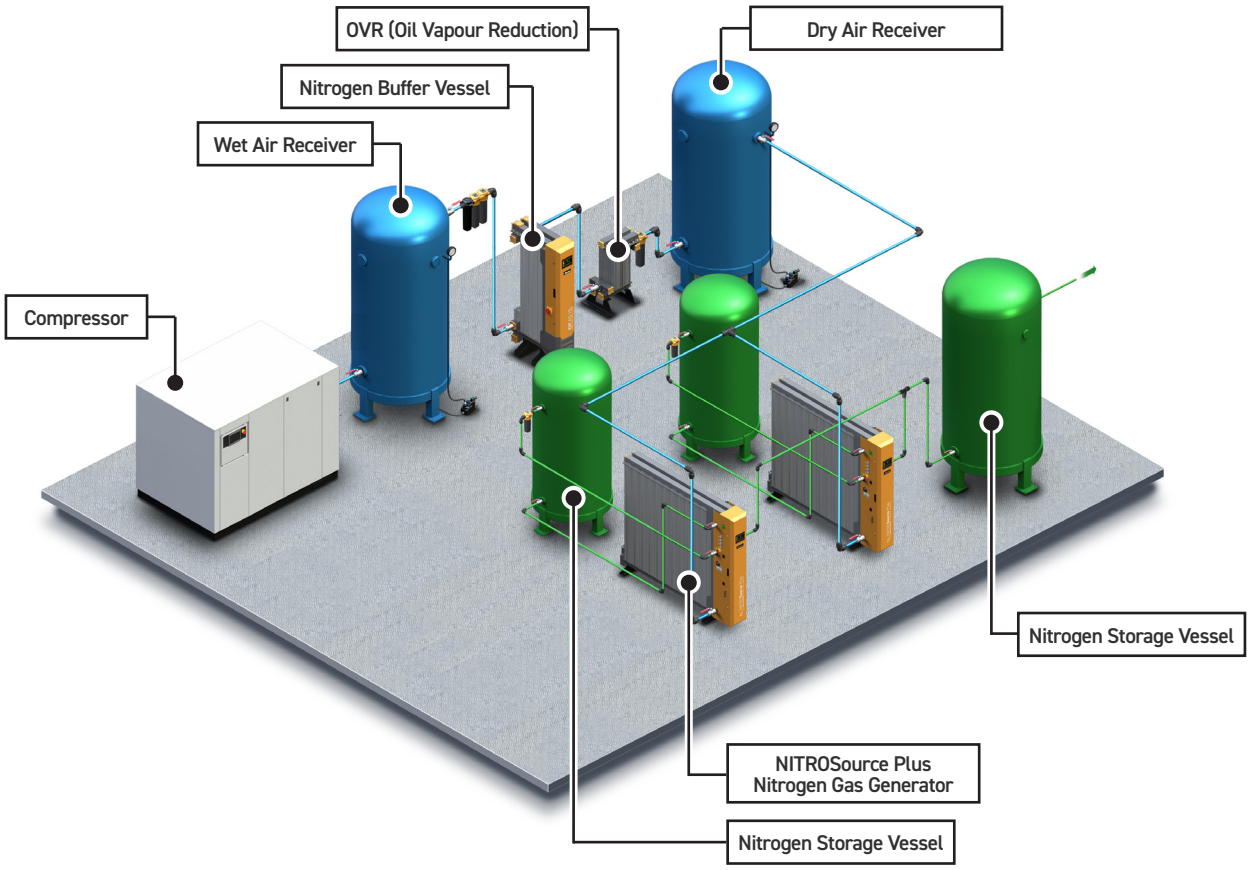
NSP-020 Installation with OFAS HL Desiccant Dryer for 3D Printing



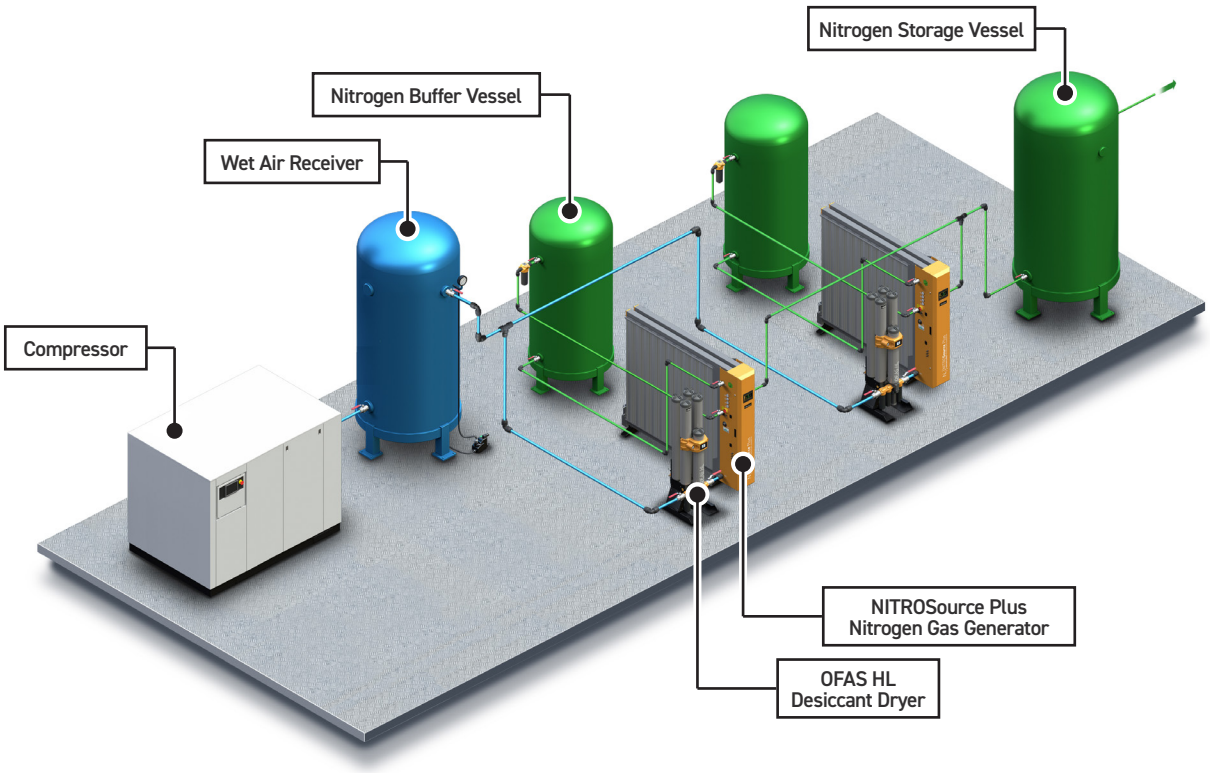
(2x) NSP-060 Installation with Centralised PSE Refrigeration Dryer and OVR



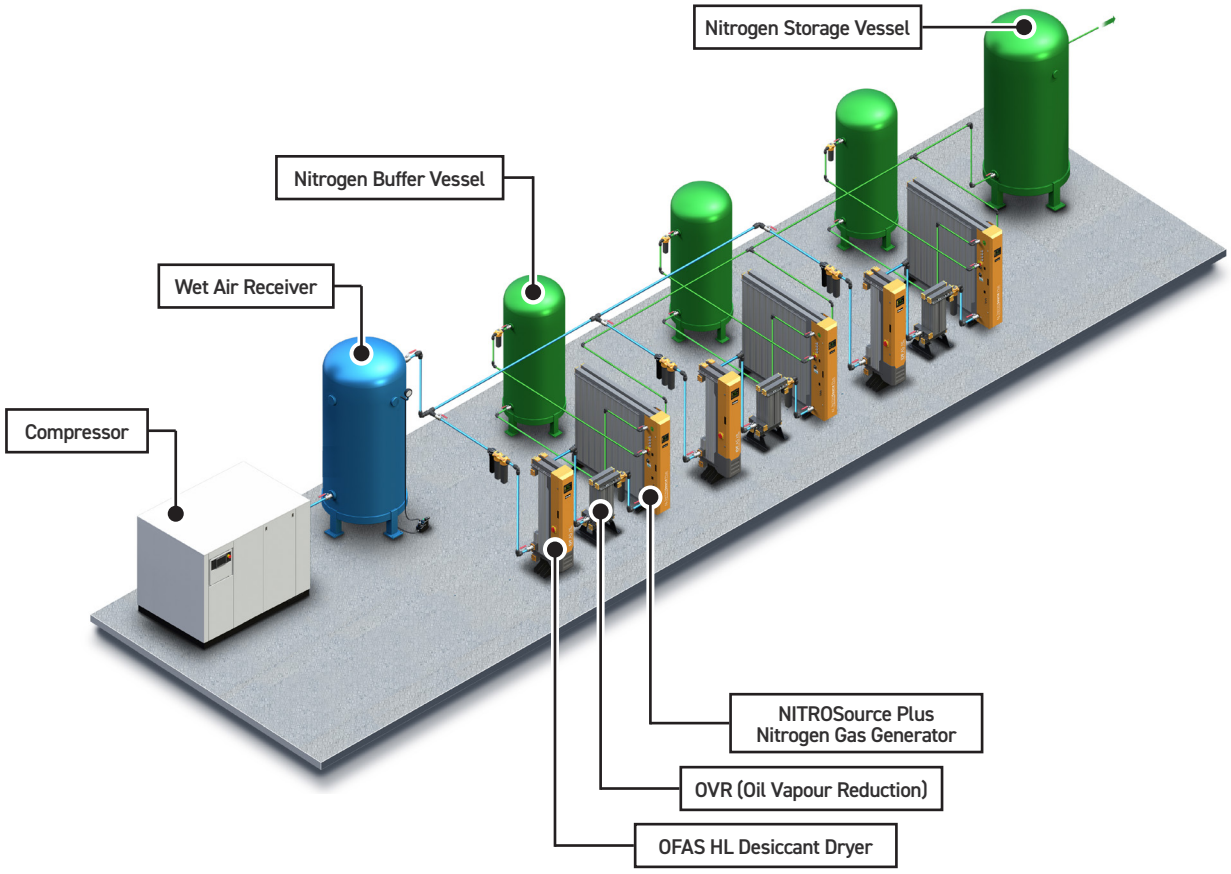
(2x) NSP-120 Installation with Centralised OFAS HL Desiccant Dryer



(2x) NSP-120 Installation with Dedicated OFAS HL Desiccant Dryers



(3x) NSP-120 Installation with Dedicated OFAS HL Desiccant Dryers



Sizing and Selection Important Information

When sizing a nitrogen gas generator and its pre-treatment package, there are a number of important factors which must be taken into consideration. A nitrogen gas generator should always be sized appropriately based on the application requirements and worst case scenario, for example:

- Inlet air quality, what pre-treatment is required.
- Maximum ambient (surrouding) air temperature in which the generator will operate.
- Minimum compressed air pressure available at the inlet of the generator.

Below are examples illustrating how to size a NITROSource Plus nitrogen gas generator:

Example 1
Food production application -
Maximum Ambient air temperature: 20°C
Factory air pressure available: 8.0 bar(g)
Purity required: 0.5% (99.5%)
Nitrogen flow rate required: 80m^3/hr

Before making a selection, you must make consideration for pressure loss across the pre-treatment package, typically this equals a reduction in air pressure by 1.0bar(g) meaning the available pressure to the generator would now be 7.0bar(g).

First locate the correct performance table, for this example it is performance at 7.0bar(g) air inlet pressure. Using the performance table, select a NITROSource Plus model which is equal too or greater than the required nitrogen flow rate and purity, in this case an NSP-080 will deliver 90.8m^3/hr @ 0.5% purity.

With a maximum ambient air temperature of 20°C, there is no need to adjust the calculation with temperature corrections factors.

Next lookup the air consumption for the generator model identified, in this case an NSP-080 will consume 227.0m^3/hr of compressed air @ 0.5% purity.

Finally, locate the performance table for your chosen pre-treatment package. For this example we recommend using a FBP HL desiccant air dryer. Before selecting the appropriate model, always remember to select the dryer to operate under the original factory air pressure which was 8.0bar(g).

Based on our Nitrogen generator air requirment of 227.0m^3/hr a FBP HL 085 can deliver 277.1m^3/hr of compressed air with a purge flow of 60.0m^3/hr meaning the total air requirement of the generators system is 287.0m^3/hr. This is calculated by combining the purge flow rate of the dryer and the compressed air requirment of the generator.

Example 2
Electronics soldering application -
Maximum Ambient air temperature: 35°C
Factory air pressure available: 10.0 bar g
Purity required: 10ppm
Nitrogen flow rate required: 49m^3/hr

Taking into consideration for pressure loss across the pre-treatment package, the factory air pressure has been reduced by 1.0bar(g) meaning the available pressure to the generator would now be 9.0bar(g).

Using the 9.0bar(g) performance table, a NITROSource Plus NSP-120 will deliver 60.9m^3/hr @ 10ppm.

With a maximum ambient air temperature of 35°C, you need to apply the appropriate correction factor, in this case it is 0.88 for 10ppm purity.

60.9 x 0.88 = 53.6m^3/hr

Next lookup the air consumption for the generator model identified, in this case an NSP-120 will consume 312.0m^3/hr of compressed air @ 10ppm purity.

Locate the performance table for your chosen pre-treatment package. For this example we recommend using a OFAS HL desiccant air dryer. Before selecting the appropriate model, always remember to select the dryer to operate under the original factory air pressure which was 10.0bar(g).

Based on our Nitrogen generator air requirment of 312.0m^3/hr an OFAS HL 085 can deliver 351.0m^3/hr of compressed air with a purge flow of 60.0m^3/hr meaning the total air requirement of the generator system is 372.0m^3/hr. This is calculated by combining the purge flow rate of the dryer and the compressed air requirment of the generator.

All flow rates in this document are based on a reference of m^3 at 20°C, 1013 millibar absolute and 0% relative water vapour.

It is the users responsibility to take into consideration potential variations in available factory air pressure and ambient air temperature. You should always allow for any necessary saftey factor concerning the outlet flow demand and compressed air requirement when sizing the nitrogen generator.

NITROGEN GENERATOR SELECTION

NITROSource Compact
Performance @ 6 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	0.7	1.1	1.4	1.5	1.8	2.1	3.1	3.7	5.4	6.9	8.1	9.2
N2C-4	1.6	2.1	2.6	3.0	3.6	4.2	6.4	7.8	11.5	14.1	16.4	18.3
N2C-6	2.2	3.5	4.0	4.8	5.5	6.5	9.4	11.3	16.6	20.2	23.2	25.8
N2C-8	3.0	4.5	5.3	6.2	7.4	8.7	12.6	15.3	21.4	26.1	30.2	33.7
N2C-10	3.8	5.6	6.6	7.7	9.2	10.9	15.8	19.1	26.7	32.6	37.7	42.0

Maximum Outlet Pressure

Outlet Pressure	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
bar(g)	4.8	4.8	4.8	4.9	4.9	4.9	4.9	5.0	5.1	5.0	4.9	4.6
psi(g)	69.6	69.6	69.6	71.0	71.0	71.0	71.0	72.5	73.9	72.5	71.0	66.7

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	5.1	6.7	7.3	7.1	7.6	8.2	10.0	11.2	13.6	15.8	17.1	18.3
N2C-4	10.9	12.9	14.0	14.1	15.4	16.4	20.6	23.3	28.8	32.5	34.4	36.6
N2C-6	15.2	21.1	21.3	22.6	23.8	25.2	30.1	34.0	41.5	46.4	48.7	51.7
N2C-8	21.3	27.1	28.1	29.4	31.7	33.9	40.4	45.9	53.4	60.0	63.4	67.3
N2C-10	26.5	33.5	34.8	36.4	39.5	42.4	50.6	57.4	66.8	74.9	79.2	84.0

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Compact Performance @ 7 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	0.8	1.2	1.5	1.8	2.1	2.5	3.7	4.4	6.1	7.7	9.1	10.3
N2C-4	1.7	2.4	2.9	3.5	4.2	5.0	7.6	9.1	13.0	15.9	18.4	20.6
N2C-6	2.4	3.9	4.5	5.7	6.5	7.6	11.1	13.3	18.6	22.7	26.1	29.0
N2C-8	3.4	5.0	5.9	7.4	8.7	10.2	14.9	18.0	24.0	29.3	33.9	37.8
N2C-10	4.2	6.2	7.3	9.1	10.8	12.8	18.6	22.5	30.0	36.6	42.4	47.2

Maximum Outlet Pressure

Outlet Pressure	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
bar(g)	5.4	5.5	5.5	5.6	5.6	5.6	5.6	6.0	5.9	5.8	5.5	5.3
psi(g)	78.3	79.7	79.7	81.2	81.2	81.2	81.2	87.0	85.5	84.1	79.7	76.8

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	5.7	7.4	8.2	8.3	9.0	9.7	11.8	13.2	15.3	17.8	19.2	20.6
N2C-4	12.1	14.3	15.6	16.5	18.1	19.3	24.3	27.4	32.4	36.5	38.6	41.1
N2C-6	16.9	23.5	23.6	26.6	28.0	29.6	35.4	40.0	46.6	52.2	54.7	58.1
N2C-8	23.7	30.1	31.2	34.5	37.3	39.9	47.6	54.0	60.1	67.5	71.3	75.6
N2C-10	29.4	37.2	38.7	42.8	46.4	49.9	59.5	67.5	75.0	84.2	89.0	94.4

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Compact
Performance @ 8 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	0.8	1.2	1.5	1.9	2.3	2.7	4.0	5.2	6.8	8.7	10.2	11.5
N2C-4	1.7	2.4	2.9	3.8	4.6	5.4	8.3	10.9	14.5	17.8	20.6	23.0
N2C-6	2.4	3.9	4.5	6.2	7.1	8.3	12.1	15.9	20.9	25.4	29.2	32.5
N2C-8	3.4	5.0	5.9	8.0	9.5	11.2	16.2	21.4	26.9	32.8	38.0	42.3
N2C-10	4.2	6.2	7.3	9.9	11.8	14.0	20.3	26.8	33.6	41.0	47.5	52.9

Maximum Outlet Pressure

Outlet Pressure	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
bar(g)	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.9	6.7	6.6	6.2	6.0
psi(g)	88.4	89.9	89.9	89.9	89.9	89.9	89.9	100.0	97.1	95.7	89.9	87.0

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	6.0	7.8	8.7	9.1	9.8	10.5	12.9	15.7	17.1	19.9	21.5	23.0
N2C-4	12.8	15.0	16.6	18.0	19.7	21.1	26.4	32.6	36.3	40.9	43.2	46.1
N2C-6	17.8	24.6	25.2	29.0	30.5	32.3	38.6	47.6	52.2	58.4	61.3	65.0
N2C-8	25.0	31.6	33.3	37.7	40.7	43.5	51.8	64.3	67.3	75.6	79.8	84.7
N2C-10	31.1	39.1	41.2	46.6	50.6	54.4	64.9	80.3	84.0	94.3	99.7	105.7

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Compact Performance @ 9 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	0.8	1.2	1.5	2.0	2.4	2.9	4.2	5.9	7.3	9.3	11.0	12.3
N2C-4	1.7	2.4	2.9	4.0	4.8	5.7	8.7	12.2	15.5	19.1	22.1	24.7
N2C-6	2.4	3.9	4.5	6.5	7.5	8.7	12.7	17.8	22.4	27.2	31.3	34.8
N2C-8	3.4	5.0	5.9	8.5	10.0	11.8	17.1	24.1	28.8	35.2	40.7	45.4
N2C-10	4.2	6.2	7.3	10.5	12.4	14.7	21.4	30.2	36.0	43.9	50.9	56.6

Maximum Outlet Pressure

Outlet Pressure	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
bar(g)	7.1	6.8	6.7	6.7	6.7	6.7	6.7	7.8	7.4	7.3	6.9	6.7
psi(g)	102.9	98.6	97.1	97.1	97.1	97.1	97.1	113.1	107.3	105.8	100.0	97.1

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	6.2	8.2	9.1	9.6	10.3	11.1	14.0	17.6	19.1	21.3	23.0	24.7
N2C-4	13.3	15.7	17.3	19.0	20.8	22.2	28.8	36.7	40.4	43.9	46.3	49.4
N2C-6	18.6	25.8	26.3	30.6	32.1	34.0	42.0	53.5	58.2	62.6	65.7	69.7
N2C-8	26.0	33.1	34.8	39.7	42.9	45.9	56.4	72.4	74.9	81.0	85.5	90.7
N2C-10	32.3	40.9	43.1	49.2	53.4	57.4	70.6	90.5	93.6	101.0	106.8	113.3

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Compact Performance @ 10 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	0.8	1.2	1.5	2.1	2.5	3.0	4.4	6.4	7.7	9.7	11.5	13.0
N2C-4	1.7	2.4	2.9	4.2	5.0	5.9	9.0	13.2	16.3	20.0	23.2	25.9
N2C-6	2.4	3.9	4.5	6.7	7.7	9.0	13.2	19.3	23.5	28.6	32.8	36.6
N2C-8	3.4	5.0	5.9	8.7	10.3	12.2	17.7	26.1	30.3	37.0	42.8	47.6
N2C-10	4.2	6.2	7.3	10.8	12.9	15.2	22.1	32.6	37.8	46.1	53.4	59.5

Maximum Outlet Pressure

Outlet Pressure	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
bar(g)	7.4	7.3	7.3	7.3	7.1	7.1	7.0	8.5	7.9	7.7	7.4	7.1
psi(g)	107.3	105.8	105.8	105.8	102.9	102.9	101.5	123.2	114.5	111.6	107.3	102.9

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)											
	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%	4.0%	5.0%
N2C-2	6.5	8.6	9.4	9.9	10.7	11.5	14.5	19.1	20.0	22.4	25.3	25.9
N2C-4	13.8	16.4	17.9	19.7	21.5	23.0	29.8	39.7	42.4	46.0	50.9	51.8
N2C-6	19.3	27.0	27.2	31.7	33.3	35.2	43.4	57.9	61.1	65.7	72.2	73.2
N2C-8	27.0	34.6	35.9	41.1	44.4	47.5	58.4	78.3	78.7	85.0	94.1	95.3
N2C-10	33.6	42.8	44.5	50.9	55.3	59.4	73.0	97.9	98.3	106.1	117.5	118.9

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

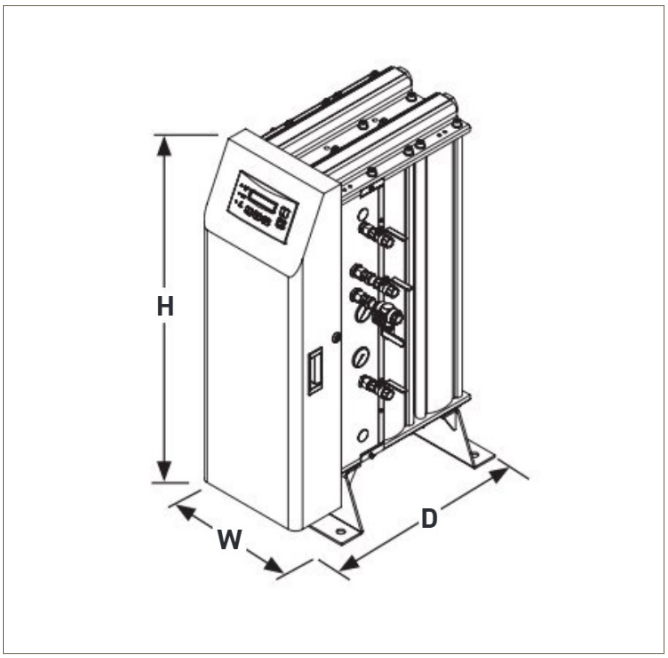
NITROSource Compact Technical Data

Weights & Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
N2C-2	1040	40.9	450	17.7	458	18.0	136	299.8
N2C-4	1040	40.9	450	17.7	628	24.7	188	414.4
N2C-6	1040	40.9	450	17.7	796	31.3	246	542.3
N2C-8	1040	40.9	450	17.7	965	37.9	303	667.9
N2C-10	1040	40.9	450	17.7	1134	44.6	360	793.6

Operating Parameters

Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	6.0 bar(g)	87.0 psi(g)
Maximum Operating Pressure	10.0 bar(g)	145.0 psi(g)
Design Pressure	10.0 bar(g)	145.0 psi(g)
Minimum Operating Temp.	5.0˚C	41.0˚F
Maximum Operating Temp.	50.0˚C	122.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
IP Rating	IP20	NEMA 1
Average Noise @ 7.0bar(g)	~80 dB (A)	



Pipe Connections

Compressed Air Inlet	½" BSPP
To Buffer Vessel	½" BSPP
From Buffer Vessel	½" BSPP
Nitrogen Outlet	½" BSPP

Minimum Buffer Vessel Size

Outlet Flow ⩽3.0 m³/hr	50 Litres	13 Gallon
Outlet Flow 3.1 - 7.5 m³/hr	150 Litres	39 Gallon
Outlet Flow 7.6 - 12.3 m³/hr	250 Litres	66 Gallon
Outlet Flow 12.4 - 24.0 m³/hr	500 Litres	132 Gallon
Outlet Flow 24.1 - 45.0 m³/hr	750 Litres	198 Gallon
Outlet Flow >45.0 m³/hr	1000 Litres	264 Gallon

Recommended minimum buffer vessel size to guarantee maximum outlet pressure.
Utilisation of smaller buffer vessels may result in lower outlet pressures and fluctuations in purity.

NITROSource Compact Technical Data

Part Number Configurator

Example	N	2	C	-	□	□	-	□	□	-	0	0	A

Model	Pefix
N2C-2	0 2
N2C-4	0 4
N2C-6	0 6
N2C-8	0 8
N2C-10	1 0

Purity	Pefix
10ppm / 50ppm	U
100ppm / 250ppm / 500ppm / 0.1%	H
0.5% / 1.0% / 2.0% / 3.0% / 4.0% / 5.0%	L

Oxygen Analyser Technology	Pefix
Electrochemical	E
Zirconia	Z

NITROSource Plus
Performance @ 5 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	4.1	4.7	6.6	7.4	8.7	9.8	11.1	15.5	18.3	22.0	27.0
NSP-030	5.5	6.4	9.5	10.8	12.8	15.0	16.8	23.3	27.4	32.6	39.6
NSP-040	7.4	8.5	12.6	14.4	17.0	20.0	22.3	31.0	36.6	43.5	52.9
NSP-050	9.2	10.6	15.8	18.0	21.3	25.0	27.9	38.8	45.7	54.3	66.1
NSP-060	11.1	12.7	18.6	21.2	25.3	28.8	32.5	45.6	53.7	63.9	79.3
NSP-070	12.9	14.8	21.7	24.7	29.5	33.6	37.9	53.2	62.7	74.6	92.5
NSP-080	14.8	16.9	24.8	28.2	33.8	38.4	43.3	60.8	71.6	85.2	105.7
NSP-090	16.6	19.1	27.8	31.7	38.0	43.2	48.7	68.4	80.6	95.9	118.9
NSP-100	20.2	23.0	33.8	36.9	42.9	48.2	54.5	76.9	90.2	110.2	128.7
NSP-110	22.3	25.3	37.2	40.6	47.2	53.0	59.9	84.6	99.3	121.2	141.3
NSP-120	24.3	27.7	40.5	44.3	51.5	57.8	65.4	92.3	108.3	132.2	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.0	3.9	3.8
psi(g)	60.9	60.9	60.9	60.9	60.9	60.9	60.9	59.5	58.0	56.6	55.1

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	23.5	24.0	27.6	28.4	30.2	31.0	32.7	39.6	43.0	48.1	55.0
NSP-030	31.7	32.4	39.7	41.3	44.4	47.4	49.6	59.4	64.4	71.4	80.9
NSP-040	42.2	43.2	52.9	55.1	59.2	63.2	66.1	79.1	85.9	95.2	107.8
NSP-050	52.8	54.0	66.1	68.9	73.9	79.0	82.6	98.9	107.4	119.0	134.8
NSP-060	63.3	64.8	77.8	81.0	87.8	91.0	96.2	116.3	126.3	140.0	161.8
NSP-070	73.9	75.6	90.8	94.5	102.5	106.2	112.2	135.7	147.3	163.3	188.7
NSP-080	84.4	86.4	103.7	108.0	117.1	121.3	128.3	155.1	168.4	186.6	215.7
NSP-090	95.0	97.2	116.7	121.5	131.8	136.5	144.3	174.5	189.4	209.9	242.6
NSP-100	115.8	117.5	141.6	141.4	149.0	152.2	161.2	196.2	212.1	241.3	262.5
NSP-110	127.4	129.3	155.7	155.6	163.9	167.4	177.3	215.8	233.3	265.4	288.2
NSP-120	139.0	141.0	169.9	169.7	178.8	182.7	193.5	235.4	254.5	289.6	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 6 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	5.5	6.3	8.4	9.5	11.1	12.5	14.1	19.2	22.6	27.2	32.2
NSP-030	7.4	8.5	12.1	13.8	16.3	19.2	21.4	28.8	34.0	40.4	47.4
NSP-040	9.9	11.3	16.1	18.4	21.8	25.5	28.5	38.4	45.3	53.9	63.1
NSP-050	12.4	14.2	20.2	23.0	27.2	31.9	35.6	48.1	56.6	67.3	78.9
NSP-060	14.8	17.0	23.7	27.0	32.3	36.8	41.5	56.5	66.6	79.2	94.7
NSP-070	17.3	19.9	27.7	31.5	37.7	42.9	48.4	65.9	77.7	92.4	110.5
NSP-080	19.8	22.7	31.6	36.0	43.1	49.0	55.3	75.4	88.8	105.6	126.3
NSP-090	22.2	25.5	35.6	40.5	48.5	55.2	62.2	84.8	99.9	118.7	142.1
NSP-100	27.1	30.9	43.1	47.2	54.8	61.5	69.5	95.3	111.8	136.5	153.7
NSP-110	29.8	33.9	47.5	51.9	60.3	67.7	76.5	104.9	123.0	150.1	168.8
NSP-120	32.5	37.0	51.8	56.6	65.8	73.8	83.5	114.4	134.1	163.8	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.8	4.7
psi(g)	74.0	74.0	74.0	74.0	74.0	72.5	72.5	72.5	71.1	69.6	68.2

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	30.9	31.6	34.6	35.7	37.9	38.9	41.1	48.2	52.3	58.8	64.8
NSP-030	41.7	42.7	49.8	51.9	55.7	59.6	62.2	72.4	78.5	87.2	95.2
NSP-040	55.5	57.0	66.4	69.3	74.2	79.4	83.0	96.5	104.6	116.3	126.9
NSP-050	69.4	71.2	83.1	86.6	92.8	99.3	103.7	120.6	130.8	145.4	158.6
NSP-060	83.3	85.4	97.7	101.8	110.2	114.3	120.8	141.9	153.8	171.0	190.4
NSP-070	97.2	99.7	114.0	118.8	128.6	133.4	140.9	165.5	179.4	199.5	222.1
NSP-080	111.1	113.9	130.2	135.8	147.0	152.5	161.0	189.1	205.0	228.0	253.8
NSP-090	125.0	128.2	146.5	152.7	165.3	171.5	181.1	212.8	230.7	256.5	285.6
NSP-100	152.4	154.9	177.8	177.8	186.9	191.3	202.4	239.2	258.2	294.8	308.9
NSP-110	167.6	170.4	195.5	195.5	205.6	210.4	222.6	263.2	284.1	324.3	339.2
NSP-120	182.8	185.9	213.3	213.3	224.3	229.6	242.9	287.1	309.9	353.8	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 7 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	7.0	8.0	10.1	11.4	13.4	15.1	17.0	23.2	27.3	32.8	37.5
NSP-030	9.4	10.8	14.6	16.6	19.7	23.1	25.8	34.7	40.9	48.7	55.1
NSP-040	12.5	14.4	19.4	22.1	26.2	30.8	34.4	46.3	54.6	64.9	73.4
NSP-050	15.6	18.0	24.3	27.7	32.8	38.5	43.0	57.9	68.2	81.1	91.8
NSP-060	18.8	21.5	28.6	32.5	38.9	44.3	50.0	68.1	80.2	95.4	110.1
NSP-070	21.9	25.1	33.3	38.0	45.4	51.7	58.3	79.4	93.6	111.3	128.5
NSP-080	25.0	28.7	38.1	43.4	51.9	59.1	66.7	90.8	106.9	127.2	146.8
NSP-090	28.1	32.3	42.8	48.8	58.4	66.4	75.0	102.1	120.3	143.1	165.2
NSP-100	34.3	39.1	52.0	56.8	66.1	74.1	83.8	114.8	134.7	164.5	178.7
NSP-110	37.7	43.0	57.2	62.5	72.7	81.5	92.2	126.3	148.2	180.9	196.2
NSP-120	41.2	46.9	62.4	68.2	79.3	88.9	100.6	137.8	161.6	197.3	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5
psi(g)	87.0	87.0	87.0	87.0	85.6	85.6	84.1	82.7	82.7	81.2	79.8

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	38.9	39.9	41.5	42.8	45.5	46.7	49.3	57.9	62.7	70.5	74.9
NSP-030	52.5	53.9	59.7	62.3	66.9	71.5	74.7	86.9	94.1	104.6	110.1
NSP-040	70.1	71.8	79.7	83.0	89.2	95.4	99.6	115.8	125.5	139.5	146.8
NSP-050	87.6	89.8	99.6	103.8	111.5	119.2	124.6	144.8	156.9	174.4	183.6
NSP-060	105.1	107.7	117.1	122.0	132.4	137.3	145.0	170.2	184.5	205.1	220.3
NSP-070	122.6	125.7	136.6	142.4	154.5	160.2	169.1	198.6	215.2	239.2	257.0
NSP-080	140.1	143.6	156.1	162.7	176.5	183.1	193.3	227.0	246.0	273.4	293.7
NSP-090	157.6	161.6	175.7	183.0	198.6	206.0	217.5	255.3	276.7	307.6	330.4
NSP-100	192.2	195.3	213.1	213.0	224.6	229.7	243.0	287.1	309.8	353.6	357.4
NSP-110	211.4	214.8	234.4	234.3	247.0	252.7	267.3	315.8	340.7	388.9	392.5
NSP-120	230.6	234.4	255.8	255.6	269.5	275.7	291.6	344.5	371.7	424.3	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 8 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	8.0	9.2	11.3	12.8	15.0	16.9	19.1	25.7	29.7	35.7	40.8
NSP-030	10.8	12.4	16.3	18.6	22.0	25.8	28.9	38.6	44.6	53.0	60.0
NSP-040	14.4	16.5	21.8	24.8	29.4	34.5	38.5	51.4	59.5	70.7	80.0
NSP-050	18.0	20.6	27.2	31.0	36.7	43.1	48.1	64.3	74.3	88.4	100.0
NSP-060	21.6	24.8	32.0	36.4	43.6	49.6	56.0	75.6	87.4	104.0	120.0
NSP-070	25.2	28.9	37.3	42.5	50.9	57.9	65.3	88.2	102.0	121.3	140.1
NSP-080	28.8	33.0	42.7	48.6	58.2	66.2	74.7	100.8	116.6	138.6	160.1
NSP-090	32.4	37.2	48.0	54.7	65.4	74.4	84.0	113.4	131.1	155.9	180.1
NSP-100	39.5	44.9	58.2	63.6	74.0	83.0	93.8	127.5	146.8	179.3	194.8
NSP-110	43.4	49.4	64.0	70.0	81.4	91.3	103.2	140.2	161.5	197.2	213.9
NSP-120	47.4	53.9	69.9	76.4	88.8	99.6	112.6	153.0	176.2	215.1	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.5	6.4	6.3
psi(g)	100.1	100.1	100.1	98.6	98.6	97.2	97.2	95.7	94.3	92.8	91.4

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	45.3	46.4	47.0	48.6	51.6	53.0	56.0	65.0	69.3	77.9	82.5
NSP-030	61.2	62.7	67.7	70.7	75.8	81.1	84.9	97.6	103.9	115.6	121.2
NSP-040	81.6	83.6	90.3	94.2	101.0	108.2	113.1	130.1	138.6	154.2	161.7
NSP-050	102.0	104.5	112.9	117.8	126.3	135.2	141.4	162.6	173.2	192.7	202.1
NSP-060	122.4	125.4	132.8	138.5	150.0	155.8	164.6	191.2	203.7	226.6	242.5
NSP-070	142.8	146.3	154.9	161.6	175.0	181.8	192.1	223.1	237.6	264.4	282.9
NSP-080	163.1	167.2	177.0	184.6	200.1	207.7	219.5	255.0	271.6	302.2	323.3
NSP-090	183.5	188.1	199.1	207.7	225.1	233.7	246.9	286.8	305.5	340.0	363.7
NSP-100	223.8	227.3	241.6	241.8	254.5	260.6	275.9	322.5	342.1	390.8	393.5
NSP-110	246.1	250.0	265.8	266.0	279.9	286.7	303.5	354.8	376.3	429.8	432.1
NSP-120	268.5	272.7	289.9	290.1	305.4	312.7	331.1	387.0	410.5	468.9	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 9 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	9.0	10.4	12.5	14.1	16.6	18.7	21.1	28.3	32.5	39.0	44.6
NSP-030	12.2	14.0	18.1	20.6	24.4	28.6	32.0	42.4	48.7	57.9	65.5
NSP-040	16.3	18.7	24.1	27.4	32.5	38.1	42.6	56.5	64.9	77.2	87.4
NSP-050	20.3	23.3	30.1	34.3	40.6	47.7	53.3	70.6	81.2	96.5	109.2
NSP-060	24.4	28.0	35.4	40.3	48.3	54.9	62.0	83.1	95.4	113.5	131.1
NSP-070	28.5	32.7	41.3	47.1	56.3	64.1	72.3	96.9	111.3	132.4	152.9
NSP-080	32.5	37.3	47.2	53.8	64.4	73.2	82.7	110.8	127.3	151.3	174.7
NSP-090	36.6	42.0	53.1	60.5	72.4	82.4	93.0	124.6	143.2	170.3	196.6
NSP-100	44.6	50.8	64.5	70.4	81.9	91.9	103.9	140.1	160.3	195.7	212.7
NSP-110	49.1	55.9	70.9	77.5	90.1	101.1	114.3	154.1	176.3	215.3	-
NSP-120	53.5	60.9	77.4	84.5	98.3	110.3	124.7	168.1	192.3	-	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1
psi(g)	113.1	113.1	113.1	111.7	111.7	110.2	108.8	107.3	105.9	104.4	103.0

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	51.9	53.1	52.7	54.3	57.7	59.5	62.6	72.3	76.6	85.8	91.4
NSP-030	70.0	71.7	75.9	79.0	84.9	91.0	94.9	108.5	114.9	127.4	134.3
NSP-040	93.3	95.6	101.2	105.4	113.2	121.3	126.5	144.7	153.2	169.9	179.1
NSP-050	116.7	119.5	126.5	131.7	141.5	151.6	158.2	180.8	191.5	212.3	223.9
NSP-060	140.0	143.4	148.8	154.9	168.1	174.7	184.1	212.7	225.2	249.7	268.7
NSP-070	163.4	167.3	173.5	180.8	196.1	203.8	214.8	248.1	262.8	291.3	313.4
NSP-080	186.7	191.2	198.3	206.6	224.1	232.9	245.5	283.5	300.3	332.9	358.2
NSP-090	210.0	215.1	223.1	232.4	252.1	262.0	276.2	319.0	337.9	374.6	403.0
NSP-100	256.1	260.0	270.7	270.5	285.0	292.2	308.6	358.7	378.2	430.5	435.9
NSP-110	281.7	286.0	297.8	297.5	313.5	321.4	339.4	394.5	416.1	473.6	-
NSP-120	307.3	312.0	324.9	324.6	342.0	350.7	370.3	430.4	453.9	-	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 10 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	10.1	11.6	13.9	15.6	18.3	20.7	23.3	30.6	34.9	41.9	47.9
NSP-030	13.6	15.6	20.0	22.7	26.9	31.6	35.3	45.9	52.4	62.3	70.5
NSP-040	18.1	20.8	26.6	30.3	35.9	42.1	47.1	61.1	69.8	83.1	94.0
NSP-050	22.7	26.0	33.3	37.9	44.9	52.7	58.8	76.4	87.3	103.8	117.5
NSP-060	27.2	31.2	39.1	44.6	53.4	60.7	68.5	89.9	102.7	122.1	141.0
NSP-070	31.7	36.4	45.7	52.0	62.2	70.8	79.9	104.9	119.8	142.4	164.5
NSP-080	36.3	41.7	52.2	59.4	71.1	80.9	91.3	119.8	136.9	162.8	188.0
NSP-090	40.8	46.9	58.7	66.9	80.0	91.0	102.7	134.8	154.0	183.1	211.5
NSP-100	49.8	56.6	71.2	77.8	90.5	101.5	114.8	151.6	172.4	210.5	228.7
NSP-110	54.7	62.3	78.3	85.6	99.5	111.7	126.3	166.8	189.6	231.5	-
NSP-120	59.7	68.0	85.5	93.4	108.6	121.8	137.8	181.9	206.9	-	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	8.7	8.7	8.7	8.6	8.5	8.5	8.4	8.2	8.0	7.9	7.8
psi(g)	126.2	126.2	126.2	124.7	123.3	123.3	121.8	118.9	116.0	114.6	113.1

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	58.6	60.1	58.9	60.8	64.7	66.5	70.1	79.2	83.5	93.5	99.3
NSP-030	79.0	81.1	84.9	88.5	95.1	101.8	106.3	118.8	125.2	138.9	145.9
NSP-040	105.4	108.1	113.1	118.0	126.8	135.7	141.7	158.4	166.9	185.2	194.5
NSP-050	131.7	135.1	141.4	147.5	158.5	169.6	177.1	197.9	208.6	231.5	243.2
NSP-060	158.1	162.1	166.3	173.4	188.3	195.4	206.2	232.8	245.4	272.3	291.8
NSP-070	184.4	189.2	194.0	202.3	219.7	228.0	240.5	271.6	286.3	317.6	340.4
NSP-080	210.8	216.2	221.7	231.2	251.1	260.6	274.9	310.4	327.1	363.0	389.1
NSP-090	237.1	243.2	249.5	260.1	282.5	293.1	309.2	349.2	368.0	408.4	437.7
NSP-100	289.1	293.9	302.7	302.7	319.4	326.9	345.5	392.6	412.0	469.4	473.5
NSP-110	318.0	323.3	332.9	333.0	351.4	359.6	380.1	431.9	453.2	516.3	-
NSP-120	346.9	352.7	363.2	363.3	383.3	392.3	414.6	471.1	494.4	-	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 11 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	10.7	12.3	14.4	16.2	19.0	21.4	24.2	32.0	36.3	43.6	49.8
NSP-030	14.4	16.6	20.7	23.6	27.9	32.8	36.6	47.9	54.4	64.7	73.2
NSP-040	19.3	22.1	27.6	31.4	37.2	43.7	48.8	63.9	72.6	86.3	97.7
NSP-050	24.1	27.7	34.5	39.3	46.5	54.6	61.0	79.9	90.7	107.9	122.1
NSP-060	28.9	33.2	40.6	46.2	55.3	62.9	71.0	94.0	106.7	126.9	146.5
NSP-070	33.7	38.7	47.3	53.9	64.5	73.4	82.8	109.6	124.4	148.0	170.9
NSP-080	38.5	44.2	54.1	61.6	73.7	83.9	94.7	125.3	142.2	169.1	195.3
NSP-090	43.3	49.8	60.8	69.3	83.0	94.4	106.5	140.9	160.0	190.3	219.7
NSP-100	52.8	60.1	73.8	80.7	93.8	105.2	119.0	158.5	179.1	218.7	237.7
NSP-110	58.1	66.2	81.2	88.7	103.2	115.8	130.9	174.3	197.0	240.6	-
NSP-120	63.4	72.2	88.6	96.8	112.5	126.3	142.8	190.2	215.0	-	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0	8.8	8.6	8.4
psi(g)	139.2	139.2	139.2	137.8	136.3	134.9	133.4	130.5	127.6	124.7	121.8

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	64.2	65.7	63.1	65.0	69.2	71.1	74.9	85.7	89.3	100.2	106.6
NSP-030	86.7	88.8	90.8	94.5	101.7	108.8	113.4	128.5	133.9	148.9	156.7
NSP-040	115.6	118.3	121.1	126.0	135.6	145.0	151.3	171.3	178.5	198.5	209.0
NSP-050	144.5	147.9	151.4	157.6	169.4	181.3	189.1	214.1	223.1	248.1	261.2
NSP-060	173.4	177.5	178.1	185.3	201.3	208.8	220.1	251.8	262.4	291.8	313.5
NSP-070	202.3	207.1	207.7	216.2	234.8	243.7	256.8	293.8	306.1	340.4	365.7
NSP-080	231.2	236.7	237.4	247.0	268.4	278.5	293.4	335.8	349.9	389.0	417.9
NSP-090	260.1	266.3	267.1	277.9	301.9	313.3	330.1	377.7	393.6	437.7	470.2
NSP-100	317.1	321.8	324.1	323.5	341.4	349.4	368.9	424.7	440.7	503.1	508.6
NSP-110	348.8	354.0	356.5	355.8	375.5	384.3	405.7	467.2	484.7	553.4	-
NSP-120	380.5	386.2	388.9	388.2	409.7	419.3	442.6	509.7	528.8	-	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 12 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	11.3	13.0	15.0	16.9	19.8	22.3	25.2	33.1	37.6	45.2	51.7
NSP-030	15.3	17.6	21.6	24.6	29.1	34.1	38.1	49.7	56.5	67.2	76.0
NSP-040	20.4	23.4	28.8	32.8	38.8	45.5	50.9	66.2	75.3	89.5	101.3
NSP-050	25.5	29.3	35.9	41.0	48.5	56.9	63.6	82.8	94.1	111.9	126.7
NSP-060	30.6	35.1	42.3	48.2	57.6	65.6	74.0	97.4	110.7	131.6	152.0
NSP-070	35.7	41.0	49.3	56.2	67.2	76.5	86.3	113.6	129.1	153.6	177.3
NSP-080	40.8	46.8	56.4	64.2	76.8	87.4	98.7	129.8	147.6	175.5	202.6
NSP-090	45.9	52.7	63.4	72.2	86.5	98.3	111.0	146.1	166.0	197.4	228.0
NSP-100	55.9	63.7	76.9	84.1	97.8	109.7	124.0	164.2	185.9	226.9	246.6
NSP-110	61.5	70.0	84.6	92.5	107.5	120.6	136.4	180.6	204.4	248.6	-
NSP-120	67.1	76.4	92.3	100.9	117.3	131.6	148.8	197.1	223.0	-	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	10.6	10.6	10.5	10.4	10.3	10.2	10.0	9.8	9.5	9.3	9.1
psi(g)	153.7	153.7	152.3	150.8	149.4	147.9	145.0	142.1	137.8	134.9	132.0

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	68.7	70.4	66.5	68.6	72.9	75.0	79.0	89.8	93.7	105.4	112.2
NSP-030	92.7	95.0	95.8	99.8	107.1	114.7	119.8	134.6	140.6	156.5	164.9
NSP-040	123.6	126.7	127.7	133.0	142.8	153.0	159.7	179.5	187.5	208.6	219.9
NSP-050	154.5	158.3	159.6	166.3	178.5	191.2	199.6	224.4	234.3	260.8	274.8
NSP-060	185.4	190.0	187.7	195.5	212.1	220.3	232.3	263.9	275.6	306.7	329.8
NSP-070	216.2	221.7	219.0	228.1	247.5	257.0	271.1	307.8	321.5	357.8	384.8
NSP-080	247.1	253.3	250.3	260.7	282.8	293.7	309.8	351.8	367.5	408.9	439.7
NSP-090	278.0	285.0	281.5	293.3	318.2	330.4	348.5	395.8	413.4	460.0	494.7
NSP-100	339.0	344.4	341.6	341.3	359.7	368.5	389.4	445.0	462.8	528.8	535.1
NSP-110	372.9	378.9	375.8	375.5	395.7	405.4	428.3	489.6	509.1	579.2	-
NSP-120	406.8	413.3	409.9	409.6	431.7	442.2	467.3	534.1	555.4	-	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

NITROSource Plus
Performance @ 13 bar(g) Inlet Pressure

Nitrogen Outlet Flow Rates

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	12.0	13.7	15.5	17.5	20.5	23.1	26.0	34.5	38.7	46.5	53.2
NSP-030	16.1	18.5	22.3	25.4	30.1	35.3	39.4	51.8	58.1	69.1	78.2
NSP-040	21.5	24.7	29.7	33.9	40.1	47.1	52.6	69.0	77.5	92.1	104.3
NSP-050	26.9	30.9	37.2	42.3	50.2	58.8	65.7	86.3	96.8	115.2	130.3
NSP-060	32.3	37.1	43.7	49.8	59.6	67.8	76.5	101.5	113.9	135.4	156.4
NSP-070	37.7	43.2	51.0	58.1	69.5	79.1	89.2	118.4	132.9	158.0	182.5
NSP-080	43.0	49.4	58.3	66.4	79.4	90.4	102.0	135.3	151.9	180.6	208.5
NSP-090	48.4	55.6	65.6	74.7	89.4	101.7	114.7	152.2	170.8	203.2	234.6
NSP-100	59.0	67.2	79.5	86.9	101.1	113.4	128.2	171.1	191.3	233.5	253.8
NSP-110	64.9	73.9	87.5	95.6	111.2	124.7	141.0	188.2	210.4	256.9	-
NSP-120	70.8	80.6	95.4	104.3	121.3	136.1	153.8	205.3	229.5	-	-

Maximum Outlet Pressure

Outlet Pressure	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
bar(g)	11.5	11.5	11.4	11.3	11.2	11.0	10.9	10.6	10.3	10.0	9.7
psi(g)	166.8	166.8	165.3	163.9	162.4	159.5	158.1	153.7	149.4	145.0	140.7

Air Consumption

Model	Purity (Remaining Oxygen Content) vs Nitrogen Outlet Flow Rate (m^3/hr)										
	5ppm	10ppm	50ppm	100ppm	250ppm	500ppm	0.1%	0.5%	1.0%	2.0%	3.0%
NSP-020	73.6	75.5	69.8	71.9	76.6	78.7	83.0	94.9	98.0	109.8	117.0
NSP-030	99.4	101.9	100.6	104.6	112.5	120.4	125.8	142.3	147.0	163.1	172.0
NSP-040	132.5	135.9	134.1	139.5	150.1	160.5	167.7	189.8	196.0	217.4	229.4
NSP-050	165.7	169.9	167.6	174.4	187.6	200.6	209.6	237.2	245.0	271.8	286.7
NSP-060	198.8	203.8	197.1	205.1	222.8	231.1	244.0	279.0	288.1	319.6	344.1
NSP-070	232.0	237.8	229.9	239.3	260.0	269.6	284.7	325.5	336.2	372.9	401.4
NSP-080	265.1	271.8	262.8	273.5	297.1	308.2	325.3	372.0	384.2	426.2	458.7
NSP-090	298.2	305.7	295.6	307.7	334.3	346.7	366.0	418.5	432.2	479.5	516.1
NSP-100	363.6	369.5	358.7	358.1	378.0	386.6	409.0	470.6	483.9	551.1	558.3
NSP-110	400.0	406.4	394.6	393.9	415.7	425.3	449.9	517.6	532.2	606.2	-
NSP-120	436.3	443.4	430.4	429.7	453.5	464.0	490.8	564.7	580.6	-	-

Ambient Temperature Correction Factors

Ambient Temp.	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
	41°F	50°F	59°F	68°F	77°F	86°F	95°F	104°F	113°F	122°F
5 - 50ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.76	0.66	0.56
100 - 500ppm	0.80	0.90	0.94	1.00	0.98	0.96	0.88	0.81	0.73	0.65
0.1 - 3.0%	0.80	0.90	0.94	1.00	0.98	0.96	0.91	0.85	0.80	0.74

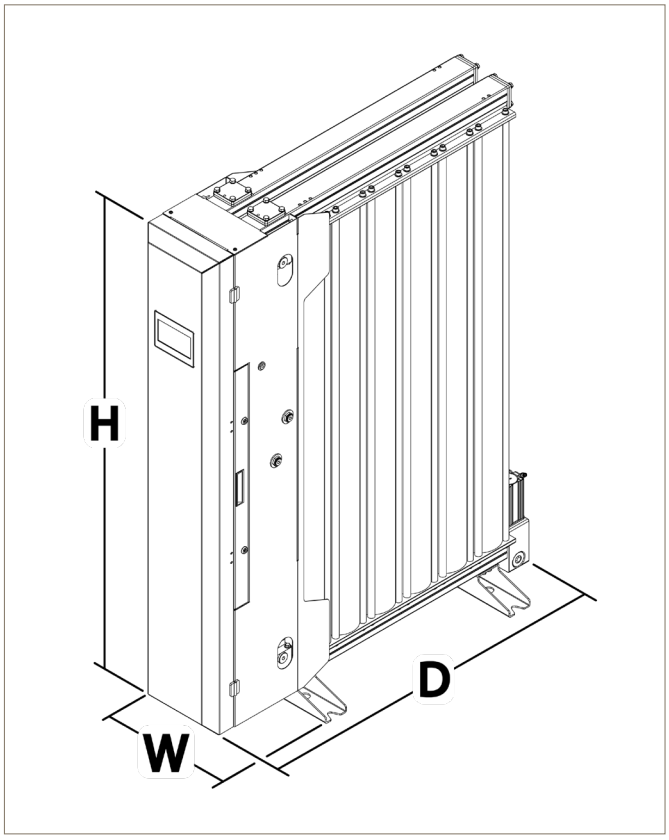
NITROSource Plus Technical Data

Weights & Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	ins	mm	ins	mm	ins	kg	lbs
NSP-020	2063	81.2	550	21.65	883	34.7	335	739
NSP-030	2063	81.2	550	21.65	1052	41.4	429	946
NSP-040	2063	81.2	550	21.65	1221	48.1	522	1151
NSP-050	2063	81.2	550	21.65	1390	54.7	615	1356
NSP-060	2063	81.2	550	21.65	1559	61.3	710	1565
NSP-070	2063	81.2	550	21.65	1728	68.0	805	1775
NSP-080	2063	81.2	550	21.65	1897	74.6	897	1978
NSP-090	2063	81.2	550	21.65	2028	79.8	988	2178
NSP-100	2063	81.2	550	21.65	2194	86.3	1104	2434
NSP-110	2063	81.2	550	21.65	2360	92.9	1197	2639
NSP-120	2063	81.2	550	21.65	2526	99.4	1292	2848

Operating Parameters

Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Design Pressure	15.0 bar(g)	217.5 psi(g)
Minimum Operating Temp.	5.0˚C	41.0˚F
Maximum Operating Temp.	50.0˚C	122.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Power Consumption	100W	
IP Rating	IP32	NEMA 2
Peak Noise @ 7.0bar(g)	~105 dB (C)	
Average Noise @ 7.0bar(g)	~80 dB (A)	



Pipe Connections

Model	NSP-020 to 090	NSP-100 to 120
Compressed Air Inlet	1" BSPP	1½" BSPP
To Buffer Vessel	1" BSPP	1½" BSPP
From Buffer Vessel	1" BSPP	
Nitrogen Outlet	1" BSPP	

NITROSource Plus Technical Data

Part Number Configurator

Example	N	S	P	-	□	□	□	-	□	□	□	□	□	-	0	0	A

Model	Pefix
NSP-020	020
NSP-030	030
NSP-040	040
NSP-050	050
NSP-060	060
NSP-070	070
NSP-080	080
NSP-090	090
NSP-100	100
NSP-110	110
NSP-120	120

Purity	Pefix
5ppm / 10ppm / 50ppm	U
100ppm / 250ppm / 500ppm / 0.1%	H
0.5% / 1.0% / 2.0% / 3.0%	L

Oxygen Analyser Technology	Pefix
Electrochemical	E
Zirconia	Z

Energy Saving Technology [1]	Pefix
Not Fitted	N
Fitted	Y

Nitrogen Outlet Flow Range [2]	Pefix
High Flow	H
Low Flow	L

Dewpoint Monitoring	Pefix
Not Fitted	N
Inlet PDP Monitoring	I
Outlet PDP Monitoring	O
Both Inlet & Outlet PDP Monitoring	B

[1] Energy saving technology (EST) is not available on 50ppm, 10ppm or 5ppm purities.
[2] See 'Mass Flow Controller Flow Breaks' chart for correct sizing information.

NITROSource Plus Technical Data

Mass Flow Controller Flow Breaks

Outlet Pressure	6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
High Flow	190.0	205.0	219.0	232.0	245.0	257.0	268.0	279.0	290.0
Low Flow	61.0	66.0	70.0	74.0	78.0	82.0	86.0	89.0	93.0

Minimum Buffer Vessel Size

NSP-020	270 Litres	71 Gallon
NSP-030	500 Litres	132 Gallon
NSP-040	500 Litres	132 Gallon
NSP-050	1000 Litres	264 Gallon
NSP-060	1000 Litres	264 Gallon
NSP-070	1000 Litres	264 Gallon
NSP-080	1500 Litres	396 Gallon
NSP-090	1500 Litres	396 Gallon
NSP-100	1500 Litres	396 Gallon
NSP-110	1500 Litres	396 Gallon
NSP-120	2000 Litres	528 Gallon

Recommended minimum buffer vessel size to guarantee maximum outlet pressure.
Utilisation of smaller buffer vessels may result in lower outlet pressures and fluctuations in purity.

EST Average Energy Savings

Flow Demand	Average Energy Savings From EST
100%	5%
95%	10%
90%	11%
85%	17%
80%	21%
75%	24%
70%	26%
65%	29%
60%	31%
55%	33%
50%	36%
45%	39%
40%	41%
35%	44%
30%	48%
25%	52%
20%	56%

Energy Saving Technology (EST) is only available on NITROSource Plus nitrogen generators with a purity of 100ppm to 3.0%.

PRE-TREATMENT SELECTION (REFRIGERATION DRYERS)

SPS 004 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 004	25	77	20	68	37.5	39.7	42.7	46.7	47.8	49.0	50.3	51.6	52.9
			25	77	34.8	36.9	39.7	43.4	44.5	45.6	46.7	48.0	49.2
			30	86	34.2	36.2	38.9	42.6	43.6	44.7	45.8	47.0	48.3
			35	95	32.0	33.9	36.4	39.9	40.8	41.8	42.9	44.0	45.2
			40	104	30.3	32.1	34.5	37.8	38.7	39.6	40.6	41.7	42.8
			45	113	28.6	30.3	32.5	35.6	36.5	37.4	38.3	39.3	40.4
			50	122	27.2	28.8	31.0	33.9	34.8	35.6	36.5	37.5	38.5
	30	86	20	68	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
			25	77	27.3	28.9	31.1	34.0	34.8	35.7	36.6	37.6	38.6
			30	86	26.7	28.3	30.5	33.4	34.2	35.0	35.9	36.8	37.8
			35	95	25.0	26.5	28.5	31.2	32.0	32.8	33.6	34.5	35.4
			40	104	23.7	25.1	27.0	29.6	30.3	31.0	31.8	32.7	33.5
			45	113	22.4	23.7	25.5	27.9	28.6	29.3	30.0	30.8	31.6
			50	122	21.3	22.6	24.3	26.6	27.2	27.9	28.6	29.3	30.1
	35	95	20	68	24.3	25.8	27.7	30.4	31.1	31.9	32.7	33.5	34.4
			25	77	22.6	24.0	25.8	28.2	28.9	29.6	30.4	31.2	32.0
			30	86	22.2	23.5	25.3	27.7	28.3	29.0	29.8	30.6	31.4
			35	95	20.8	22.0	23.7	25.9	26.5	27.2	27.9	28.6	29.4
			40	104	19.7	20.9	22.4	24.6	25.1	25.8	26.4	27.1	27.8
			45	113	18.6	19.7	21.2	23.1	23.7	24.3	24.9	25.5	26.2
			50	122	17.7	18.8	20.2	22.1	22.6	23.1	23.7	24.4	25.0
	40	104	20	68	18.7	19.9	21.3	23.4	23.9	24.5	25.1	25.8	26.5
			25	77	17.4	18.5	19.9	21.7	22.2	22.8	23.4	24.0	24.6
			30	86	17.1	18.1	19.5	21.3	21.8	22.3	22.9	23.5	24.1
			35	95	16.0	16.9	18.2	19.9	20.4	20.9	21.4	22.0	22.6
			40	104	15.1	16.1	17.3	18.9	19.3	19.8	20.3	20.8	21.4
			45	113	14.3	15.1	16.3	17.8	18.2	18.7	19.2	19.7	20.2
			50	122	13.6	14.4	15.5	17.0	17.4	17.8	18.3	18.7	19.2
	45	113	20	68	15.1	16.0	17.2	18.9	19.3	19.8	20.3	20.8	21.4
			25	77	14.1	14.9	16.0	17.5	18.0	18.4	18.9	19.4	19.9
			30	86	13.8	14.6	15.7	17.2	17.6	18.0	18.5	19.0	19.5
			35	95	12.9	13.7	14.7	16.1	16.5	16.9	17.3	17.8	18.2
			40	104	12.2	13.0	13.9	15.2	15.6	16.0	16.4	16.8	17.3
			45	113	11.5	12.2	13.1	14.4	14.7	15.1	15.5	15.9	16.3
			50	122	11.0	11.6	12.5	13.7	14.0	14.4	14.7	15.1	15.5

SPS 004 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 004	50	122	20	68	12.2	12.9	13.9	15.2	15.5	15.9	16.3	16.8	17.2
			25	77	11.3	12.0	12.9	14.1	14.5	14.8	15.2	15.6	16.0
			30	86	11.1	11.8	12.7	13.8	14.2	14.5	14.9	15.3	15.7
			35	95	10.4	11.0	11.8	13.0	13.3	13.6	13.9	14.3	14.7
			40	104	9.8	10.4	11.2	12.3	12.6	12.9	13.2	13.6	13.9
			45	113	9.3	9.8	10.6	11.6	11.9	12.1	12.5	12.8	13.1
			50	122	8.8	9.4	10.1	11.0	11.3	11.6	11.9	12.2	12.5
	55	131	20	68	10.4	11.1	11.9	13.0	13.3	13.7	14.0	14.4	14.8
			25	77	9.7	10.3	11.1	12.1	12.4	12.7	13.0	13.4	13.7
			30	86	9.5	10.1	10.9	11.9	12.2	12.5	12.8	13.1	13.5
			35	95	8.9	9.4	10.2	11.1	11.4	11.7	12.0	12.3	12.6
			40	104	8.4	9.0	9.6	10.5	10.8	11.1	11.3	11.6	11.9
			45	113	8.0	8.4	9.1	9.9	10.2	10.4	10.7	11.0	11.3
			50	122	7.6	8.0	8.7	9.5	9.7	9.9	10.2	10.5	10.7
	60	140	20	68	10.2	10.8	11.7	12.8	13.1	13.4	13.7	14.1	14.5
			25	77	9.5	10.1	10.8	11.9	12.1	12.4	12.8	13.1	13.4
			30	86	9.3	9.9	10.6	11.6	11.9	12.2	12.5	12.8	13.2
			35	95	8.7	9.3	9.9	10.9	11.1	11.4	11.7	12.0	12.3
			40	104	8.3	8.8	9.4	10.3	10.6	10.8	11.1	11.4	11.7
			45	113	7.8	8.3	8.9	9.7	10.0	10.2	10.5	10.7	11.0
			50	122	7.4	7.9	8.5	9.3	9.5	9.7	10.0	10.2	10.5
	65	149	20	68	9.7	10.3	11.1	12.1	12.4	12.7	13.1	13.4	13.8
			25	77	9.1	9.6	10.3	11.3	11.6	11.9	12.2	12.5	12.8
			30	86	8.9	9.4	10.1	11.1	11.3	11.6	11.9	12.2	12.5
			35	95	8.3	8.8	9.5	10.4	10.6	10.9	11.1	11.4	11.7
			40	104	7.9	8.3	9.0	9.8	10.1	10.3	10.6	10.8	11.1
			45	113	7.4	7.9	8.5	9.3	9.5	9.7	10.0	10.2	10.5
			50	122	7.1	7.5	8.1	8.8	9.0	9.3	9.5	9.7	10.0

SPS 007 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 007	25	77	20	68	65.5	69.5	74.7	81.7	83.7	85.8	87.9	90.2	92.6
			25	77	61.0	64.6	69.5	76.0	77.8	79.8	81.8	83.9	86.2
			30	86	59.8	63.3	68.1	74.5	76.3	78.2	80.2	82.3	84.5
			35	95	55.9	59.3	63.7	69.7	71.4	73.2	75.0	77.0	79.0
			40	104	53.0	56.2	60.4	66.1	67.7	69.4	71.1	73.0	74.9
			45	113	50.0	53.0	56.9	62.3	63.8	65.4	67.0	68.8	70.6
			50	122	47.6	50.5	54.3	59.4	60.8	62.3	63.9	65.6	67.3
	30	86	20	68	51.3	54.4	58.5	64.0	65.6	67.2	68.9	70.7	72.5
			25	77	47.7	50.6	54.4	59.5	61.0	62.5	64.1	65.7	67.5
			30	86	46.8	49.6	53.3	58.4	59.8	61.2	62.8	64.4	66.1
			35	95	43.8	46.4	49.9	54.6	55.9	57.3	58.8	60.3	61.9
			40	104	41.5	44.0	47.3	51.8	53.0	54.3	55.7	57.1	58.7
			45	113	39.1	41.5	44.6	48.8	50.0	51.2	52.5	53.9	55.3
			50	122	37.3	39.5	42.5	46.5	47.6	48.8	50.0	51.3	52.7
	35	95	20	68	42.6	45.2	48.6	53.1	54.4	55.8	57.2	58.7	60.2
			25	77	39.6	42.0	45.2	49.4	50.6	51.9	53.2	54.5	56.0
			30	86	38.8	41.2	44.3	48.4	49.6	50.8	52.1	53.5	54.9
			35	95	36.4	38.5	41.4	45.3	46.4	47.6	48.8	50.0	51.4
			40	104	34.5	36.5	39.3	43.0	44.0	45.1	46.2	47.4	48.7
			45	113	32.5	34.4	37.0	40.5	41.5	42.5	43.6	44.7	45.9
			50	122	31.0	32.8	35.3	38.6	39.5	40.5	41.5	42.6	43.8
	40	104	20	68	32.8	34.7	37.4	40.9	41.9	42.9	44.0	45.1	46.3
			25	77	30.5	32.3	34.7	38.0	38.9	39.9	40.9	42.0	43.1
			30	86	29.9	31.7	34.1	37.3	38.2	39.1	40.1	41.1	42.2
			35	95	28.0	29.6	31.9	34.9	35.7	36.6	37.5	38.5	39.5
			40	104	26.5	28.1	30.2	33.1	33.8	34.7	35.6	36.5	37.5
			45	113	25.0	26.5	28.5	31.2	31.9	32.7	33.5	34.4	35.3
			50	122	23.8	25.2	27.1	29.7	30.4	31.2	31.9	32.8	33.7
	45	113	20	68	26.5	28.1	30.2	33.0	33.8	34.6	35.5	36.4	37.4
			25	77	24.6	26.1	28.1	30.7	31.4	32.2	33.0	33.9	34.8
			30	86	24.1	25.6	27.5	30.1	30.8	31.6	32.4	33.2	34.1
			35	95	22.6	23.9	25.7	28.2	28.8	29.5	30.3	31.1	31.9
			40	104	21.4	22.7	24.4	26.7	27.3	28.0	28.7	29.5	30.2
			45	113	20.2	21.4	23.0	25.2	25.8	26.4	27.1	27.8	28.5
			50	122	19.2	20.4	21.9	24.0	24.6	25.2	25.8	26.5	27.2

SPS 007 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 007	50	122	20	68	21.3	22.6	24.3	26.6	27.2	27.9	28.6	29.3	30.1
			25	77	19.8	21.0	22.6	24.7	25.3	25.9	26.6	27.3	28.0
			30	86	19.4	20.6	22.1	24.2	24.8	25.4	26.1	26.7	27.5
			35	95	18.2	19.3	20.7	22.7	23.2	23.8	24.4	25.0	25.7
			40	104	17.2	18.3	19.6	21.5	22.0	22.5	23.1	23.7	24.3
			45	113	16.2	17.2	18.5	20.3	20.7	21.3	21.8	22.4	23.0
			50	122	15.5	16.4	17.6	19.3	19.8	20.3	20.8	21.3	21.9
	55	131	20	68	18.3	19.4	20.8	22.8	23.4	23.9	24.5	25.2	25.8
			25	77	17.0	18.0	19.4	21.2	21.7	22.3	22.8	23.4	24.0
			30	86	16.7	17.7	19.0	20.8	21.3	21.8	22.4	23.0	23.6
			35	95	15.6	16.5	17.8	19.5	19.9	20.4	20.9	21.5	22.0
			40	104	14.8	15.7	16.9	18.4	18.9	19.4	19.8	20.4	20.9
			45	113	13.9	14.8	15.9	17.4	17.8	18.2	18.7	19.2	19.7
			50	122	13.3	14.1	15.1	16.6	17.0	17.4	17.8	18.3	18.8
	60	140	20	68	17.9	19.0	20.4	22.3	22.9	23.4	24.0	24.6	25.3
			25	77	16.6	17.6	19.0	20.8	21.3	21.8	22.3	22.9	23.5
			30	86	16.3	17.3	18.6	20.4	20.8	21.4	21.9	22.5	23.1
			35	95	15.3	16.2	17.4	19.0	19.5	20.0	20.5	21.0	21.6
			40	104	14.5	15.3	16.5	18.1	18.5	18.9	19.4	19.9	20.5
			45	113	13.6	14.5	15.6	17.0	17.4	17.9	18.3	18.8	19.3
			50	122	13.0	13.8	14.8	16.2	16.6	17.0	17.5	17.9	18.4
	65	149	20	68	17.0	18.1	19.4	21.3	21.8	22.3	22.9	23.5	24.1
			25	77	15.8	16.8	18.1	19.8	20.2	20.7	21.3	21.8	22.4
			30	86	15.5	16.5	17.7	19.4	19.8	20.3	20.8	21.4	22.0
			35	95	14.5	15.4	16.6	18.1	18.6	19.0	19.5	20.0	20.6
			40	104	13.8	14.6	15.7	17.2	17.6	18.0	18.5	19.0	19.5
			45	113	13.0	13.8	14.8	16.2	16.6	17.0	17.4	17.9	18.4
			50	122	12.4	13.1	14.1	15.4	15.8	16.2	16.6	17.0	17.5

SPS 009 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 009	25	77	20	68	84.3	89.3	96.1	105.1	107.6	110.3	113.1	116.0	119.1
			25	77	78.4	83.1	89.3	97.7	100.1	102.6	105.2	107.9	110.8
			30	86	76.8	81.4	87.6	95.8	98.1	100.6	103.1	105.8	108.6
			35	95	71.9	76.2	82.0	89.7	91.8	94.1	96.5	99.0	101.6
			40	104	68.2	72.2	77.7	85.0	87.0	89.2	91.4	93.8	96.3
			45	113	64.2	68.1	73.2	80.1	82.0	84.1	86.2	88.4	90.8
			50	122	61.2	64.9	69.8	76.4	78.2	80.1	82.2	84.3	86.5
	30	86	20	68	66.0	70.0	75.2	82.3	84.3	86.4	88.6	90.9	93.3
			25	77	61.4	65.1	70.0	76.5	78.4	80.3	82.4	84.5	86.7
			30	86	60.2	63.8	68.6	75.0	76.8	78.7	80.7	82.8	85.0
			35	95	56.3	59.7	64.2	70.2	71.9	73.7	75.6	77.5	79.6
			40	104	53.4	56.6	60.8	66.6	68.2	69.8	71.6	73.5	75.4
			45	113	50.3	53.3	57.3	62.7	64.3	65.8	67.5	69.3	71.1
			50	122	48.0	50.8	54.7	59.8	61.2	62.8	64.3	66.0	67.8
	35	95	20	68	54.8	58.1	62.4	68.3	70.0	71.7	73.5	75.4	77.4
			25	77	50.9	54.0	58.1	63.5	65.1	66.7	68.4	70.1	72.0
			30	86	49.9	52.9	56.9	62.3	63.8	65.4	67.0	68.8	70.6
			35	95	46.7	49.5	53.3	58.3	59.7	61.2	62.7	64.3	66.1
			40	104	44.3	47.0	50.5	55.2	56.6	58.0	59.4	61.0	62.6
			45	113	41.8	44.3	47.6	52.1	53.3	54.6	56.0	57.5	59.0
			50	122	39.8	42.2	45.4	49.6	50.8	52.1	53.4	54.8	56.3
	40	104	20	68	42.1	44.7	48.0	52.5	53.8	55.1	56.5	58.0	59.6
			25	77	39.2	41.5	44.7	48.9	50.0	51.3	52.6	53.9	55.4
			30	86	38.4	40.7	43.8	47.9	49.1	50.3	51.5	52.9	54.3
			35	95	36.0	38.1	41.0	44.8	45.9	47.0	48.2	49.5	50.8
			40	104	34.1	36.1	38.8	42.5	43.5	44.6	45.7	46.9	48.2
			45	113	32.1	34.0	36.6	40.1	41.0	42.0	43.1	44.2	45.4
			50	122	30.6	32.5	34.9	38.2	39.1	40.1	41.1	42.1	43.3
	45	113	20	68	34.0	36.1	38.8	42.4	43.5	44.5	45.7	46.8	48.1
			25	77	31.6	33.5	36.1	39.5	40.4	41.4	42.5	43.6	44.7
			30	86	31.0	32.9	35.4	38.7	39.6	40.6	41.6	42.7	43.8
			35	95	29.0	30.8	33.1	36.2	37.1	38.0	39.0	40.0	41.0
			40	104	27.5	29.2	31.4	34.3	35.1	36.0	36.9	37.9	38.9
			45	113	25.9	27.5	29.6	32.3	33.1	33.9	34.8	35.7	36.7
			50	122	24.7	26.2	28.2	30.8	31.6	32.3	33.2	34.0	34.9

SPS 009 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 009	50	122	20	68	27.4	29.0	31.2	34.2	35.0	35.8	36.7	37.7	38.7
			25	77	25.5	27.0	29.0	31.8	32.5	33.3	34.2	35.1	36.0
			30	86	25.0	26.5	28.5	31.1	31.9	32.7	33.5	34.4	35.3
			35	95	23.4	24.8	26.6	29.1	29.8	30.6	31.4	32.2	33.0
			40	104	22.1	23.5	25.2	27.6	28.3	29.0	29.7	30.5	31.3
			45	113	20.9	22.1	23.8	26.0	26.7	27.3	28.0	28.7	29.5
			50	122	19.9	21.1	22.7	24.8	25.4	26.0	26.7	27.4	28.1
	55	131	20	68	23.5	24.9	26.8	29.3	30.0	30.8	31.5	32.4	33.2
			25	77	21.9	23.2	24.9	27.3	27.9	28.6	29.3	30.1	30.9
			30	86	21.4	22.7	24.4	26.7	27.4	28.1	28.8	29.5	30.3
			35	95	20.1	21.3	22.9	25.0	25.6	26.2	26.9	27.6	28.3
			40	104	19.0	20.2	21.7	23.7	24.3	24.9	25.5	26.2	26.9
			45	113	17.9	19.0	20.4	22.3	22.9	23.5	24.0	24.7	25.3
			50	122	17.1	18.1	19.5	21.3	21.8	22.4	22.9	23.5	24.1
	60	140	20	68	23.0	24.4	26.2	28.7	29.4	30.1	30.9	31.7	32.5
			25	77	21.4	22.7	24.4	26.7	27.3	28.0	28.7	29.5	30.3
			30	86	21.0	22.2	23.9	26.2	26.8	27.5	28.2	28.9	29.7
			35	95	19.6	20.8	22.4	24.5	25.1	25.7	26.3	27.0	27.8
			40	104	18.6	19.7	21.2	23.2	23.8	24.4	25.0	25.6	26.3
			45	113	17.5	18.6	20.0	21.9	22.4	23.0	23.5	24.2	24.8
			50	122	16.7	17.7	19.1	20.9	21.4	21.9	22.4	23.0	23.6
	65	149	20	68	21.9	23.2	25.0	27.3	28.0	28.7	29.4	30.2	31.0
			25	77	20.4	21.6	23.2	25.4	26.0	26.7	27.3	28.1	28.8
			30	86	20.0	21.2	22.8	24.9	25.5	26.1	26.8	27.5	28.2
			35	95	18.7	19.8	21.3	23.3	23.9	24.5	25.1	25.7	26.4
			40	104	17.7	18.8	20.2	22.1	22.6	23.2	23.8	24.4	25.0
			45	113	16.7	17.7	19.0	20.8	21.3	21.9	22.4	23.0	23.6
			50	122	15.9	16.9	18.1	19.9	20.3	20.8	21.4	21.9	22.5

SPS 014 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 014	25	77	20	68	131.1	139.0	149.4	163.5	167.4	171.6	175.9	180.5	185.3
			25	77	121.9	129.2	139.0	152.0	155.7	159.5	163.6	167.8	172.3
			30	86	119.5	126.7	136.2	149.1	152.6	156.4	160.4	164.5	168.9
			35	95	111.8	118.6	127.5	139.5	142.8	146.4	150.1	154.0	158.1
			40	104	106.0	112.4	120.8	132.2	135.4	138.7	142.2	145.9	149.8
			45	113	99.9	105.9	113.9	124.6	127.6	130.8	134.1	137.6	141.2
			50	122	95.2	101.0	108.6	118.8	121.6	124.6	127.8	131.1	134.6
	30	86	20	68	102.7	108.8	117.0	128.0	131.1	134.3	137.7	141.3	145.1
			25	77	95.5	101.2	108.8	119.1	121.9	124.9	128.1	131.4	134.9
			30	86	93.6	99.2	106.7	116.7	119.5	122.5	125.6	128.9	132.3
			35	95	87.6	92.8	99.8	109.2	111.9	114.6	117.5	120.6	123.8
			40	104	83.0	88.0	94.6	103.5	106.0	108.6	111.4	114.3	117.3
			45	113	78.3	83.0	89.2	97.6	99.9	102.4	105.0	107.7	110.6
			50	122	74.6	79.1	85.0	93.0	95.3	97.6	100.1	102.7	105.4
	35	95	20	68	85.2	90.3	97.1	106.3	108.8	111.5	114.3	117.3	120.4
			25	77	79.2	84.0	90.3	98.8	101.2	103.7	106.3	109.1	112.0
			30	86	77.7	82.4	88.6	96.9	99.2	101.7	104.2	107.0	109.8
			35	95	72.7	77.1	82.9	90.7	92.8	95.1	97.5	100.1	102.8
			40	104	68.9	73.0	78.5	85.9	88.0	90.2	92.5	94.9	97.4
			45	113	65.0	68.9	74.0	81.0	83.0	85.0	87.2	89.4	91.8
			50	122	61.9	65.6	70.6	77.2	79.1	81.0	83.1	85.2	87.5
	40	104	20	68	65.5	69.5	74.7	81.7	83.7	85.8	87.9	90.2	92.6
			25	77	61.0	64.6	69.5	76.0	77.8	79.8	81.8	83.9	86.2
			30	86	59.8	63.3	68.1	74.5	76.3	78.2	80.2	82.3	84.5
			35	95	55.9	59.3	63.7	69.7	71.4	73.2	75.0	77.0	79.0
			40	104	53.0	56.2	60.4	66.1	67.7	69.4	71.1	73.0	74.9
			45	113	50.0	53.0	56.9	62.3	63.8	65.4	67.0	68.8	70.6
			50	122	47.6	50.5	54.3	59.4	60.8	62.3	63.9	65.6	67.3
	45	113	20	68	52.9	56.1	60.3	66.0	67.6	69.3	71.0	72.9	74.8
			25	77	49.2	52.2	56.1	61.4	62.9	64.4	66.0	67.8	69.6
			30	86	48.3	51.2	55.0	60.2	61.6	63.1	64.7	66.4	68.2
			35	95	45.2	47.9	51.5	56.3	57.7	59.1	60.6	62.2	63.8
			40	104	42.8	45.4	48.8	53.4	54.7	56.0	57.4	58.9	60.5
			45	113	40.3	42.8	46.0	50.3	51.5	52.8	54.1	55.5	57.0
			50	122	38.5	40.8	43.8	48.0	49.1	50.3	51.6	52.9	54.3

SPS 014 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 014	50	122	20	68	42.6	45.2	48.6	53.1	54.4	55.8	57.2	58.7	60.2
			25	77	39.6	42.0	45.2	49.4	50.6	51.9	53.2	54.5	56.0
			30	86	38.8	41.2	44.3	48.4	49.6	50.8	52.1	53.5	54.9
			35	95	36.4	38.5	41.4	45.3	46.4	47.6	48.8	50.0	51.4
			40	104	34.5	36.5	39.3	43.0	44.0	45.1	46.2	47.4	48.7
			45	113	32.5	34.4	37.0	40.5	41.5	42.5	43.6	44.7	45.9
			50	122	31.0	32.8	35.3	38.6	39.5	40.5	41.5	42.6	43.8
	55	131	20	68	36.6	38.8	41.7	45.6	46.7	47.9	49.1	50.3	51.7
			25	77	34.0	36.1	38.8	42.4	43.4	44.5	45.6	46.8	48.1
			30	86	33.3	35.3	38.0	41.6	42.6	43.6	44.7	45.9	47.1
			35	95	31.2	33.1	35.6	38.9	39.8	40.8	41.9	43.0	44.1
			40	104	29.6	31.3	33.7	36.9	37.8	38.7	39.7	40.7	41.8
			45	113	27.9	29.6	31.8	34.8	35.6	36.5	37.4	38.4	39.4
			50	122	26.6	28.2	30.3	33.1	33.9	34.8	35.7	36.6	37.6
	60	140	20	68	35.8	38.0	40.8	44.6	45.7	46.9	48.0	49.3	50.6
			25	77	33.3	35.3	38.0	41.5	42.5	43.6	44.7	45.8	47.1
			30	86	32.6	34.6	37.2	40.7	41.7	42.7	43.8	44.9	46.1
			35	95	30.5	32.4	34.8	38.1	39.0	40.0	41.0	42.1	43.2
			40	104	29.0	30.7	33.0	36.1	37.0	37.9	38.8	39.9	40.9
			45	113	27.3	28.9	31.1	34.0	34.9	35.7	36.6	37.6	38.6
			50	122	26.0	27.6	29.6	32.4	33.2	34.0	34.9	35.8	36.8
	65	149	20	68	34.1	36.1	38.8	42.5	43.5	44.6	45.7	46.9	48.2
			25	77	31.7	33.6	36.1	39.5	40.5	41.5	42.5	43.6	44.8
			30	86	31.1	32.9	35.4	38.8	39.7	40.7	41.7	42.8	43.9
			35	95	29.1	30.8	33.1	36.3	37.1	38.1	39.0	40.0	41.1
			40	104	27.6	29.2	31.4	34.4	35.2	36.1	37.0	37.9	39.0
			45	113	26.0	27.5	29.6	32.4	33.2	34.0	34.9	35.8	36.7
			50	122	24.8	26.3	28.2	30.9	31.6	32.4	33.2	34.1	35.0

SPS 018 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 018	25	77	20	68	168.5	178.7	192.1	210.2	215.3	220.6	226.2	232.0	238.2
			25	77	156.7	166.2	178.7	195.5	200.2	205.1	210.3	215.8	221.5
			30	86	153.7	162.9	175.2	191.6	196.3	201.1	206.2	211.6	217.2
			35	95	143.8	152.4	163.9	179.3	183.7	188.2	193.0	198.0	203.2
			40	104	136.3	144.5	155.4	170.0	174.1	178.4	182.9	187.6	192.6
			45	113	128.5	136.2	146.4	160.2	164.1	168.1	172.4	176.9	181.6
			50	122	122.5	129.8	139.6	152.7	156.4	160.3	164.3	168.6	173.1
	30	86	20	68	132.0	139.9	150.4	164.6	168.6	172.7	177.1	181.7	186.6
			25	77	122.8	130.1	139.9	153.1	156.8	160.6	164.7	169.0	173.5
			30	86	120.3	127.6	137.2	150.1	153.7	157.5	161.5	165.7	170.1
			35	95	112.6	119.4	128.4	140.4	143.8	147.4	151.1	155.0	159.2
			40	104	106.7	113.1	121.7	133.1	136.3	139.7	143.2	146.9	150.9
			45	113	100.6	106.7	114.7	125.5	128.5	131.7	135.0	138.5	142.2
			50	122	95.9	101.7	109.3	119.6	122.5	125.5	128.7	132.0	135.5
	35	95	20	68	109.6	116.1	124.9	136.6	139.9	143.4	147.0	150.8	154.8
			25	77	101.9	108.0	116.1	127.1	130.1	133.3	136.7	140.3	144.0
			30	86	99.9	105.9	113.9	124.6	127.6	130.7	134.0	137.5	141.2
			35	95	93.5	99.1	106.5	116.6	119.4	122.3	125.4	128.7	132.1
			40	104	88.6	93.9	101.0	110.5	113.1	115.9	118.9	122.0	125.2
			45	113	83.5	88.5	95.2	104.1	106.7	109.3	112.1	115.0	118.0
			50	122	79.6	84.4	90.7	99.3	101.7	104.2	106.8	109.6	112.5
	40	104	20	68	84.3	89.3	96.1	105.1	107.6	110.3	113.1	116.0	119.1
			25	77	78.4	83.1	89.3	97.7	100.1	102.6	105.2	107.9	110.8
			30	86	76.8	81.4	87.6	95.8	98.1	100.6	103.1	105.8	108.6
			35	95	71.9	76.2	82.0	89.7	91.8	94.1	96.5	99.0	101.6
			40	104	68.2	72.2	77.7	85.0	87.0	89.2	91.4	93.8	96.3
			45	113	64.2	68.1	73.2	80.1	82.0	84.1	86.2	88.4	90.8
			50	122	61.2	64.9	69.8	76.4	78.2	80.1	82.2	84.3	86.5
	45	113	20	68	68.0	72.1	77.6	84.9	86.9	89.0	91.3	93.7	96.2
			25	77	63.3	67.1	72.1	78.9	80.8	82.8	84.9	87.1	89.4
			30	86	62.0	65.8	70.7	77.4	79.2	81.2	83.2	85.4	87.7
			35	95	58.1	61.5	66.2	72.4	74.1	76.0	77.9	79.9	82.1
			40	104	55.0	58.3	62.7	68.6	70.3	72.0	73.8	75.8	77.8
			45	113	51.9	55.0	59.1	64.7	66.2	67.9	69.6	71.4	73.3
			50	122	49.4	52.4	56.4	61.7	63.1	64.7	66.3	68.1	69.9

SPS 018 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 018	50	122	20	68	54.8	58.1	62.4	68.3	70.0	71.7	73.5	75.4	77.4
			25	77	50.9	54.0	58.1	63.5	65.1	66.7	68.4	70.1	72.0
			30	86	49.9	52.9	56.9	62.3	63.8	65.4	67.0	68.8	70.6
			35	95	46.7	49.5	53.3	58.3	59.7	61.2	62.7	64.3	66.1
			40	104	44.3	47.0	50.5	55.2	56.6	58.0	59.4	61.0	62.6
			45	113	41.8	44.3	47.6	52.1	53.3	54.6	56.0	57.5	59.0
			50	122	39.8	42.2	45.4	49.6	50.8	52.1	53.4	54.8	56.3
	55	131	20	68	47.0	49.8	53.6	58.6	60.0	61.5	63.1	64.7	66.5
			25	77	43.7	46.4	49.8	54.5	55.8	57.2	58.7	60.2	61.8
			30	86	42.9	45.4	48.9	53.5	54.8	56.1	57.5	59.0	60.6
			35	95	40.1	42.5	45.7	50.0	51.2	52.5	53.8	55.2	56.7
			40	104	38.0	40.3	43.3	47.4	48.6	49.8	51.0	52.3	53.7
			45	113	35.8	38.0	40.9	44.7	45.8	46.9	48.1	49.3	50.7
			50	122	34.2	36.2	38.9	42.6	43.6	44.7	45.8	47.0	48.3
	60	140	20	68	46.0	48.8	52.5	57.4	58.8	60.2	61.8	63.4	65.1
			25	77	42.8	45.4	48.8	53.4	54.7	56.0	57.4	58.9	60.5
			30	86	42.0	44.5	47.8	52.3	53.6	54.9	56.3	57.8	59.3
			35	95	39.3	41.6	44.8	49.0	50.2	51.4	52.7	54.1	55.5
			40	104	37.2	39.5	42.4	46.4	47.5	48.7	49.9	51.2	52.6
			45	113	35.1	37.2	40.0	43.8	44.8	45.9	47.1	48.3	49.6
			50	122	33.4	35.5	38.1	41.7	42.7	43.8	44.9	46.0	47.3
	65	149	20	68	43.8	46.5	49.9	54.6	56.0	57.3	58.8	60.3	61.9
			25	77	40.8	43.2	46.5	50.8	52.0	53.3	54.7	56.1	57.6
			30	86	40.0	42.4	45.5	49.8	51.0	52.3	53.6	55.0	56.5
			35	95	37.4	39.6	42.6	46.6	47.8	48.9	50.2	51.5	52.8
			40	104	35.4	37.6	40.4	44.2	45.3	46.4	47.6	48.8	50.1
			45	113	33.4	35.4	38.1	41.7	42.7	43.7	44.8	46.0	47.2
			50	122	31.8	33.8	36.3	39.7	40.7	41.7	42.7	43.8	45.0

SPS 026 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 026	25	77	20	68	243.5	258.1	277.5	303.6	310.9	318.6	326.7	335.1	344.1
			25	77	226.4	240.0	258.1	282.4	289.2	296.3	303.8	311.7	320.0
			30	86	222.0	235.3	253.0	276.8	283.5	290.5	297.8	305.6	313.7
			35	95	207.7	220.2	236.8	259.0	265.3	271.8	278.7	286.0	293.6
			40	104	196.9	208.7	224.4	245.5	251.4	257.6	264.2	271.0	278.3
			45	113	185.6	196.7	211.5	231.4	237.0	242.9	249.0	255.5	262.3
			50	122	176.9	187.5	201.6	220.6	225.9	231.5	237.3	243.5	250.0
	30	86	20	68	190.7	202.1	217.3	237.8	243.5	249.5	255.8	262.5	269.5
			25	77	177.3	188.0	202.1	221.1	226.4	232.0	237.9	244.1	250.6
			30	86	173.8	184.3	198.1	216.8	222.0	227.5	233.2	239.3	245.7
			35	95	162.7	172.4	185.4	202.9	207.8	212.9	218.3	223.9	229.9
			40	104	154.2	163.4	175.7	192.3	196.9	201.8	206.9	212.3	217.9
			45	113	145.3	154.1	165.7	181.2	185.6	190.2	195.0	200.1	205.4
			50	122	138.5	146.8	157.9	172.7	176.9	181.3	185.9	190.7	195.8
	35	95	20	68	158.2	167.7	180.4	197.3	202.1	207.1	212.3	217.8	223.7
			25	77	147.2	156.0	167.7	183.5	188.0	192.6	197.5	202.6	208.0
			30	86	144.3	152.9	164.5	179.9	184.3	188.8	193.6	198.6	203.9
			35	95	135.0	143.1	153.9	168.4	172.4	176.7	181.2	185.9	190.8
			40	104	128.0	135.7	145.9	159.6	163.4	167.5	171.7	176.2	180.9
			45	113	120.6	127.9	137.5	150.4	154.1	157.9	161.9	166.1	170.5
			50	122	115.0	121.9	131.0	143.4	146.8	150.5	154.3	158.3	162.5
	40	104	20	68	121.7	129.0	138.7	151.8	155.5	159.3	163.3	167.6	172.0
			25	77	113.2	120.0	129.0	141.2	144.6	148.1	151.9	155.8	160.0
			30	86	111.0	117.6	126.5	138.4	141.7	145.2	148.9	152.8	156.9
			35	95	103.9	110.1	118.4	129.5	132.6	135.9	139.4	143.0	146.8
			40	104	98.4	104.3	112.2	122.8	125.7	128.8	132.1	135.5	139.1
			45	113	92.8	98.4	105.8	115.7	118.5	121.4	124.5	127.7	131.1
			50	122	88.4	93.8	100.8	110.3	113.0	115.7	118.7	121.8	125.0
	45	113	20	68	98.3	104.2	112.0	122.6	125.5	128.6	131.9	135.3	138.9
			25	77	91.4	96.9	104.2	114.0	116.7	119.6	122.7	125.8	129.2
			30	86	89.6	95.0	102.1	111.8	114.5	117.3	120.2	123.4	126.7
			35	95	83.9	88.9	95.6	104.6	107.1	109.7	112.5	115.4	118.5
			40	104	79.5	84.3	90.6	99.1	101.5	104.0	106.7	109.4	112.3
			45	113	74.9	79.4	85.4	93.4	95.7	98.1	100.5	103.1	105.9
			50	122	71.4	75.7	81.4	89.1	91.2	93.5	95.8	98.3	100.9

SPS 026 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 026	50	122	20	68	79.1	83.9	90.2	98.7	101.0	103.5	106.2	108.9	111.8
			25	77	73.6	78.0	83.9	91.8	94.0	96.3	98.7	101.3	104.0
			30	86	72.1	76.5	82.2	90.0	92.1	94.4	96.8	99.3	102.0
			35	95	67.5	71.6	76.9	84.2	86.2	88.3	90.6	92.9	95.4
			40	104	64.0	67.8	72.9	79.8	81.7	83.7	85.9	88.1	90.4
			45	113	60.3	63.9	68.7	75.2	77.0	78.9	80.9	83.0	85.2
			50	122	57.5	60.9	65.5	71.7	73.4	75.2	77.1	79.1	81.3
	55	131	20	68	67.9	72.0	77.4	84.7	86.7	88.9	91.1	93.5	96.0
			25	77	63.2	67.0	72.0	78.8	80.7	82.7	84.8	87.0	89.3
			30	86	61.9	65.6	70.6	77.2	79.1	81.0	83.1	85.2	87.5
			35	95	57.9	61.4	66.0	72.3	74.0	75.8	77.8	79.8	81.9
			40	104	54.9	58.2	62.6	68.5	70.1	71.9	73.7	75.6	77.6
			45	113	51.8	54.9	59.0	64.6	66.1	67.8	69.5	71.3	73.2
			50	122	49.3	52.3	56.2	61.5	63.0	64.6	66.2	67.9	69.7
	60	140	20	68	66.5	70.5	75.8	82.9	84.9	87.0	89.2	91.5	94.0
			25	77	61.8	65.5	70.5	77.1	79.0	80.9	83.0	85.1	87.4
			30	86	60.6	64.3	69.1	75.6	77.4	79.3	81.3	83.5	85.7
			35	95	56.7	60.1	64.7	70.7	72.5	74.2	76.1	78.1	80.2
			40	104	53.8	57.0	61.3	67.1	68.7	70.4	72.1	74.0	76.0
			45	113	50.7	53.7	57.8	63.2	64.7	66.3	68.0	69.8	71.6
			50	122	48.3	51.2	55.1	60.2	61.7	63.2	64.8	66.5	68.3
	65	149	20	68	63.3	67.1	72.1	78.9	80.8	82.8	84.9	87.1	89.5
			25	77	58.9	62.4	67.1	73.4	75.2	77.0	79.0	81.0	83.2
			30	86	57.7	61.2	65.8	72.0	73.7	75.5	77.4	79.4	81.6
			35	95	54.0	57.2	61.6	67.4	69.0	70.7	72.5	74.3	76.3
			40	104	51.2	54.3	58.3	63.8	65.4	67.0	68.7	70.5	72.3
			45	113	48.3	51.1	55.0	60.2	61.6	63.1	64.7	66.4	68.2
			50	122	46.0	48.8	52.4	57.4	58.7	60.2	61.7	63.3	65.0

SPS 032 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 032	25	77	20	68	299.6	317.6	341.5	373.7	382.7	392.1	402.0	412.5	423.5
			25	77	278.7	295.4	317.6	347.5	355.9	364.7	373.9	383.6	393.8
			30	86	273.2	289.6	311.4	340.7	348.9	357.5	366.6	376.1	386.1
			35	95	255.7	271.0	291.4	318.8	326.5	334.6	343.0	351.9	361.3
			40	104	242.3	256.9	276.2	302.2	309.5	317.1	325.1	333.6	342.5
			45	113	228.4	242.1	260.3	284.8	291.7	298.9	306.5	314.4	322.8
			50	122	217.7	230.8	248.1	271.5	278.0	284.9	292.1	299.7	307.7
	30	86	20	68	234.7	248.7	267.5	292.6	299.7	307.1	314.9	323.0	331.6
			25	77	218.2	231.3	248.7	272.1	278.7	285.6	292.8	300.4	308.4
			30	86	214.0	226.8	243.9	266.8	273.2	280.0	287.1	294.5	302.4
			35	95	200.2	212.2	228.2	249.7	255.7	262.0	268.6	275.6	283.0
			40	104	189.8	201.2	216.3	236.6	242.4	248.3	254.6	261.2	268.2
			45	113	178.9	189.6	203.9	223.1	228.4	234.1	240.0	246.2	252.8
			50	122	170.5	180.7	194.3	212.6	217.7	223.1	228.8	234.7	241.0
	35	95	20	68	194.8	206.5	222.0	242.9	248.7	254.9	261.3	268.1	275.3
			25	77	181.1	192.0	206.5	225.9	231.3	237.0	243.0	249.4	256.0
			30	86	177.6	188.2	202.4	221.5	226.8	232.4	238.3	244.5	251.0
			35	95	166.2	176.1	189.4	207.2	212.2	217.5	223.0	228.8	234.9
			40	104	157.5	167.0	179.5	196.4	201.2	206.1	211.3	216.8	222.6
			45	113	148.5	157.4	169.2	185.1	189.6	194.3	199.2	204.4	209.8
			50	122	141.5	150.0	161.3	176.5	180.7	185.2	189.9	194.8	200.0
	40	104	20	68	149.8	158.8	170.8	186.8	191.3	196.1	201.0	206.2	211.7
			25	77	139.3	147.7	158.8	173.8	177.9	182.3	187.0	191.8	196.9
			30	86	136.6	144.8	155.7	170.3	174.5	178.8	183.3	188.0	193.1
			35	95	127.8	135.5	145.7	159.4	163.3	167.3	171.5	176.0	180.7
			40	104	121.2	128.4	138.1	151.1	154.7	158.6	162.6	166.8	171.2
			45	113	114.2	121.1	130.2	142.4	145.9	149.5	153.2	157.2	161.4
			50	122	108.9	115.4	124.1	135.7	139.0	142.5	146.1	149.9	153.8
	45	113	20	68	121.0	128.2	137.9	150.9	154.5	158.3	162.3	166.5	171.0
			25	77	112.5	119.3	128.2	140.3	143.7	147.2	151.0	154.9	159.0
			30	86	110.3	116.9	125.7	137.5	140.9	144.3	148.0	151.8	155.9
			35	95	103.2	109.4	117.6	128.7	131.8	135.1	138.5	142.1	145.9
			40	104	97.8	103.7	111.5	122.0	124.9	128.0	131.3	134.7	138.3
			45	113	92.2	97.7	105.1	115.0	117.8	120.7	123.7	126.9	130.3
			50	122	87.9	93.2	100.2	109.6	112.3	115.0	117.9	121.0	124.2

SPS 032 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 032	50	122	20	68	97.4	103.2	111.0	121.4	124.4	127.4	130.7	134.1	137.6
			25	77	90.6	96.0	103.2	112.9	115.7	118.5	121.5	124.7	128.0
			30	86	88.8	94.1	101.2	110.7	113.4	116.2	119.1	122.2	125.5
			35	95	83.1	88.1	94.7	103.6	106.1	108.7	111.5	114.4	117.4
			40	104	78.8	83.5	89.8	98.2	100.6	103.1	105.7	108.4	111.3
			45	113	74.2	78.7	84.6	92.6	94.8	97.1	99.6	102.2	104.9
			50	122	70.8	75.0	80.6	88.2	90.4	92.6	94.9	97.4	100.0
	55	131	20	68	83.6	88.6	95.3	104.2	106.8	109.4	112.2	115.1	118.1
			25	77	77.7	82.4	88.6	96.9	99.3	101.7	104.3	107.0	109.9
			30	86	76.2	80.8	86.9	95.0	97.3	99.7	102.3	104.9	107.7
			35	95	71.3	75.6	81.3	88.9	91.1	93.3	95.7	98.2	100.8
			40	104	67.6	71.7	77.0	84.3	86.3	88.5	90.7	93.1	95.5
			45	113	63.7	67.5	72.6	79.5	81.4	83.4	85.5	87.7	90.1
			50	122	60.7	64.4	69.2	75.7	77.6	79.5	81.5	83.6	85.8
	60	140	20	68	81.8	86.7	93.3	102.1	104.5	107.1	109.8	112.7	115.7
			25	77	76.1	80.7	86.7	94.9	97.2	99.6	102.1	104.8	107.6
			30	86	74.6	79.1	85.0	93.0	95.3	97.6	100.1	102.7	105.5
			35	95	69.8	74.0	79.6	87.1	89.2	91.4	93.7	96.1	98.7
			40	104	66.2	70.1	75.4	82.5	84.5	86.6	88.8	91.1	93.5
			45	113	62.4	66.1	71.1	77.8	79.7	81.6	83.7	85.9	88.2
			50	122	59.5	63.0	67.8	74.1	75.9	77.8	79.8	81.9	84.0
	65	149	20	68	77.9	82.6	88.8	97.2	99.5	102.0	104.5	107.2	110.1
			25	77	72.5	76.8	82.6	90.4	92.5	94.8	97.2	99.7	102.4
			30	86	71.0	75.3	81.0	88.6	90.7	93.0	95.3	97.8	100.4
			35	95	66.5	70.5	75.8	82.9	84.9	87.0	89.2	91.5	93.9
			40	104	63.0	66.8	71.8	78.6	80.5	82.4	84.5	86.7	89.0
			45	113	59.4	63.0	67.7	74.1	75.8	77.7	79.7	81.8	83.9
			50	122	56.6	60.0	64.5	70.6	72.3	74.1	75.9	77.9	80.0

SPS 040 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 040	25	77	20	68	374.5	397.0	426.9	467.1	478.3	490.2	502.6	515.6	529.4
			25	77	348.3	369.2	397.0	434.4	444.9	455.8	467.4	479.5	492.3
			30	86	341.5	362.0	389.2	425.9	436.1	446.9	458.2	470.1	482.7
			35	95	319.6	338.7	364.2	398.5	408.1	418.2	428.8	439.9	451.7
			40	104	302.9	321.1	345.2	377.7	386.8	396.4	406.4	417.0	428.1
			45	113	285.5	302.6	325.4	356.1	364.6	373.6	383.1	393.0	403.5
			50	122	272.1	288.5	310.2	339.4	347.5	356.1	365.1	374.6	384.6
	30	86	20	68	293.3	310.9	334.3	365.8	374.6	383.9	393.6	403.8	414.6
			25	77	272.8	289.2	310.9	340.2	348.4	357.0	366.0	375.5	385.5
			30	86	267.4	283.5	304.8	333.5	341.6	350.0	358.8	368.2	378.0
			35	95	250.3	265.3	285.2	312.1	319.6	327.5	335.8	344.5	353.7
			40	104	237.2	251.4	270.4	295.8	302.9	310.4	318.3	326.5	335.3
			45	113	223.6	237.0	254.9	278.8	285.6	292.6	300.0	307.8	316.0
			50	122	213.1	225.9	242.9	265.8	272.2	278.9	286.0	293.4	301.2
	35	95	20	68	243.5	258.1	277.5	303.6	310.9	318.6	326.7	335.1	344.1
			25	77	226.4	240.0	258.1	282.4	289.2	296.3	303.8	311.7	320.0
			30	86	222.0	235.3	253.0	276.8	283.5	290.5	297.8	305.6	313.7
			35	95	207.7	220.2	236.8	259.0	265.3	271.8	278.7	286.0	293.6
			40	104	196.9	208.7	224.4	245.5	251.4	257.6	264.2	271.0	278.3
			45	113	185.6	196.7	211.5	231.4	237.0	242.9	249.0	255.5	262.3
			50	122	176.9	187.5	201.6	220.6	225.9	231.5	237.3	243.5	250.0
	40	104	20	68	187.3	198.5	213.5	233.5	239.2	245.1	251.3	257.8	264.7
			25	77	174.2	184.6	198.5	217.2	222.4	227.9	233.7	239.8	246.2
			30	86	170.8	181.0	194.6	212.9	218.1	223.5	229.1	235.1	241.3
			35	95	159.8	169.4	182.1	199.3	204.1	209.1	214.4	220.0	225.8
			40	104	151.4	160.5	172.6	188.9	193.4	198.2	203.2	208.5	214.0
			45	113	142.8	151.3	162.7	178.0	182.3	186.8	191.5	196.5	201.8
			50	122	136.1	144.2	155.1	169.7	173.8	178.1	182.6	187.3	192.3
	45	113	20	68	151.2	160.3	172.4	188.6	193.1	197.9	202.9	208.2	213.7
			25	77	140.6	149.1	160.3	175.4	179.6	184.0	188.7	193.6	198.8
			30	86	137.9	146.1	157.1	171.9	176.1	180.4	185.0	189.8	194.9
			35	95	129.0	136.8	147.1	160.9	164.8	168.8	173.1	177.6	182.3
			40	104	122.3	129.6	139.4	152.5	156.2	160.0	164.1	168.3	172.8
			45	113	115.3	122.2	131.4	143.7	147.2	150.8	154.7	158.7	162.9
			50	122	109.9	116.5	125.2	137.0	140.3	143.8	147.4	151.2	155.3

SPS 040 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 040	50	122	20	68	121.7	129.0	138.7	151.8	155.5	159.3	163.3	167.6	172.0
			25	77	113.2	120.0	129.0	141.2	144.6	148.1	151.9	155.8	160.0
			30	86	111.0	117.6	126.5	138.4	141.7	145.2	148.9	152.8	156.9
			35	95	103.9	110.1	118.4	129.5	132.6	135.9	139.4	143.0	146.8
			40	104	98.4	104.3	112.2	122.8	125.7	128.8	132.1	135.5	139.1
			45	113	92.8	98.4	105.8	115.7	118.5	121.4	124.5	127.7	131.1
			50	122	88.4	93.8	100.8	110.3	113.0	115.7	118.7	121.8	125.0
	55	131	20	68	104.5	110.8	119.1	130.3	133.4	136.7	140.2	143.8	147.7
			25	77	97.2	103.0	110.8	121.2	124.1	127.2	130.4	133.8	137.3
			30	86	95.3	101.0	108.6	118.8	121.7	124.7	127.8	131.1	134.6
			35	95	89.2	94.5	101.6	111.2	113.9	116.7	119.6	122.7	126.0
			40	104	84.5	89.6	96.3	105.4	107.9	110.6	113.4	116.3	119.4
			45	113	79.7	84.4	90.8	99.3	101.7	104.2	106.9	109.6	112.6
			50	122	75.9	80.5	86.5	94.7	97.0	99.3	101.9	104.5	107.3
	60	140	20	68	102.3	108.4	116.6	127.6	130.6	133.9	137.3	140.8	144.6
			25	77	95.1	100.8	108.4	118.6	121.5	124.5	127.6	131.0	134.5
			30	86	93.3	98.9	106.3	116.3	119.1	122.1	125.1	128.4	131.8
			35	95	87.3	92.5	99.5	108.8	111.5	114.2	117.1	120.1	123.4
			40	104	82.7	87.7	94.3	103.2	105.6	108.3	111.0	113.9	116.9
			45	113	78.0	82.7	88.9	97.2	99.6	102.0	104.6	107.3	110.2
			50	122	74.3	78.8	84.7	92.7	94.9	97.3	99.7	102.3	105.0
	65	149	20	68	97.4	103.2	111.0	121.4	124.4	127.4	130.7	134.1	137.6
			25	77	90.6	96.0	103.2	112.9	115.7	118.5	121.5	124.7	128.0
			30	86	88.8	94.1	101.2	110.7	113.4	116.2	119.1	122.2	125.5
			35	95	83.1	88.1	94.7	103.6	106.1	108.7	111.5	114.4	117.4
			40	104	78.8	83.5	89.8	98.2	100.6	103.1	105.7	108.4	111.3
			45	113	74.2	78.7	84.6	92.6	94.8	97.1	99.6	102.2	104.9
			50	122	70.8	75.0	80.6	88.2	90.4	92.6	94.9	97.4	100.0

SPS 052 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 052	25	77	20	68	486.9	516.1	555.0	607.2	621.8	637.2	653.3	670.3	688.2
			25	77	452.8	480.0	516.1	564.7	578.3	592.6	607.6	623.4	640.0
			30	86	444.0	470.6	506.0	553.6	567.0	581.0	595.7	611.2	627.5
			35	95	415.4	440.4	473.5	518.1	530.6	543.7	557.4	571.9	587.2
			40	104	393.8	417.4	448.8	491.0	502.9	515.3	528.3	542.1	556.5
			45	113	371.2	393.4	423.1	462.9	474.0	485.7	498.0	511.0	524.6
			50	122	353.8	375.0	403.2	441.2	451.8	463.0	474.7	487.0	500.0
	30	86	20	68	381.3	404.2	434.6	475.5	487.0	499.0	511.6	524.9	538.9
			25	77	354.6	375.9	404.2	442.2	452.9	464.1	475.8	488.2	501.2
			30	86	347.7	368.5	396.3	433.6	444.0	455.0	466.5	478.6	491.4
			35	95	325.3	344.9	370.8	405.7	415.5	425.8	436.5	447.9	459.8
			40	104	308.4	326.9	351.5	384.6	393.8	403.5	413.8	424.5	435.8
			45	113	290.7	308.1	331.3	362.5	371.2	380.4	390.0	400.2	410.8
			50	122	277.1	293.7	315.8	345.5	353.8	362.6	371.7	381.4	391.6
	35	95	20	68	316.5	335.5	360.7	394.7	404.2	414.2	424.7	435.7	447.3
			25	77	294.3	312.0	335.5	367.1	375.9	385.2	394.9	405.2	416.0
			30	86	288.6	305.9	328.9	359.9	368.5	377.6	387.2	397.2	407.8
			35	95	270.0	286.2	307.8	336.8	344.9	353.4	362.3	371.7	381.7
			40	104	255.9	271.3	291.7	319.2	326.9	334.9	343.4	352.3	361.7
			45	113	241.3	255.7	275.0	300.9	308.1	315.7	323.7	332.1	341.0
			50	122	230.0	243.8	262.1	286.8	293.7	300.9	308.5	316.6	325.0
	40	104	20	68	243.5	258.1	277.5	303.6	310.9	318.6	326.7	335.1	344.1
			25	77	226.4	240.0	258.1	282.4	289.2	296.3	303.8	311.7	320.0
			30	86	222.0	235.3	253.0	276.8	283.5	290.5	297.8	305.6	313.7
			35	95	207.7	220.2	236.8	259.0	265.3	271.8	278.7	286.0	293.6
			40	104	196.9	208.7	224.4	245.5	251.4	257.6	264.2	271.0	278.3
			45	113	185.6	196.7	211.5	231.4	237.0	242.9	249.0	255.5	262.3
			50	122	176.9	187.5	201.6	220.6	225.9	231.5	237.3	243.5	250.0
	45	113	20	68	196.6	208.4	224.1	245.1	251.1	257.3	263.8	270.6	277.8
			25	77	182.8	193.8	208.4	228.0	233.5	239.2	245.3	251.7	258.4
			30	86	179.2	190.0	204.3	223.5	228.9	234.6	240.5	246.7	253.3
			35	95	167.7	177.8	191.2	209.2	214.2	219.5	225.0	230.9	237.1
			40	104	159.0	168.5	181.2	198.2	203.0	208.0	213.3	218.8	224.7
			45	113	149.9	158.8	170.8	186.9	191.4	196.1	201.1	206.3	211.8
			50	122	142.8	151.4	162.8	178.1	182.4	186.9	191.6	196.6	201.9

SPS 052 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 052	50	122	20	68	158.2	167.7	180.4	197.3	202.1	207.1	212.3	217.8	223.7
			25	77	147.2	156.0	167.7	183.5	188.0	192.6	197.5	202.6	208.0
			30	86	144.3	152.9	164.5	179.9	184.3	188.8	193.6	198.6	203.9
			35	95	135.0	143.1	153.9	168.4	172.4	176.7	181.2	185.9	190.8
			40	104	128.0	135.7	145.9	159.6	163.4	167.5	171.7	176.2	180.9
			45	113	120.6	127.9	137.5	150.4	154.1	157.9	161.9	166.1	170.5
			50	122	115.0	121.9	131.0	143.4	146.8	150.5	154.3	158.3	162.5
	55	131	20	68	135.8	144.0	154.8	169.4	173.5	177.8	182.3	187.0	192.0
			25	77	126.3	133.9	144.0	157.5	161.3	165.3	169.5	173.9	178.5
			30	86	123.8	131.3	141.2	154.4	158.2	162.1	166.2	170.5	175.0
			35	95	115.9	122.8	132.1	144.5	148.0	151.7	155.5	159.5	163.8
			40	104	109.8	116.4	125.2	137.0	140.3	143.8	147.4	151.2	155.3
			45	113	103.5	109.8	118.0	129.1	132.2	135.5	138.9	142.5	146.3
			50	122	98.7	104.6	112.5	123.1	126.0	129.2	132.4	135.9	139.5
	60	140	20	68	133.0	141.0	151.6	165.8	169.8	174.0	178.4	183.1	187.9
			25	77	123.7	131.1	141.0	154.2	157.9	161.8	165.9	170.2	174.8
			30	86	121.2	128.5	138.2	151.2	154.8	158.7	162.7	166.9	171.4
			35	95	113.5	120.3	129.3	141.5	144.9	148.5	152.2	156.2	160.4
			40	104	107.5	114.0	122.6	134.1	137.3	140.7	144.3	148.0	152.0
			45	113	101.4	107.5	115.5	126.4	129.5	132.7	136.0	139.5	143.3
			50	122	96.6	102.4	110.1	120.5	123.4	126.4	129.6	133.0	136.6
	65	149	20	68	126.6	134.2	144.3	157.9	161.7	165.7	169.9	174.3	178.9
			25	77	117.7	124.8	134.2	146.8	150.4	154.1	158.0	162.1	166.4
			30	86	115.4	122.4	131.6	143.9	147.4	151.1	154.9	158.9	163.1
			35	95	108.0	114.5	123.1	134.7	137.9	141.4	144.9	148.7	152.7
			40	104	102.4	108.5	116.7	127.7	130.7	134.0	137.4	140.9	144.7
			45	113	96.5	102.3	110.0	120.3	123.2	126.3	129.5	132.9	136.4
			50	122	92.0	97.5	104.8	114.7	117.5	120.4	123.4	126.6	130.0

SPS 062 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 062	25	77	20	68	580.6	615.4	661.7	724.0	741.4	759.7	779.0	799.2	820.5
			25	77	539.9	572.3	615.4	673.3	689.5	706.6	724.4	743.3	763.1
			30	86	529.3	561.1	603.3	660.1	676.0	692.7	710.2	728.7	748.1
			35	95	495.3	525.1	564.6	617.7	632.6	648.2	664.6	681.9	700.1
			40	104	469.5	497.7	535.1	585.5	599.6	614.4	629.9	646.3	663.5
			45	113	442.6	469.1	504.4	551.9	565.2	579.1	593.8	609.2	625.5
			50	122	421.8	447.1	480.8	526.0	538.7	552.0	566.0	580.7	596.2
	30	86	20	68	454.6	481.9	518.2	567.0	580.6	595.0	610.0	625.9	642.6
			25	77	422.8	448.2	481.9	527.3	540.0	553.3	567.3	582.1	597.6
			30	86	414.5	439.4	472.5	516.9	529.4	542.5	556.2	570.7	585.9
			35	95	387.9	411.2	442.1	483.7	495.4	507.6	520.5	534.0	548.2
			40	104	367.7	389.7	419.1	458.5	469.6	481.2	493.3	506.1	519.6
			45	113	346.6	367.4	395.0	432.2	442.6	453.5	465.0	477.1	489.8
			50	122	330.3	350.2	376.5	411.9	421.9	432.3	443.2	454.7	466.9
	35	95	20	68	377.4	400.0	430.1	470.6	481.9	493.8	506.3	519.5	533.3
			25	77	350.9	372.0	400.0	437.6	448.2	459.3	470.9	483.1	496.0
			30	86	344.1	364.7	392.2	429.1	439.4	450.3	461.7	473.6	486.3
			35	95	322.0	341.3	367.0	401.5	411.2	421.3	432.0	443.2	455.0
			40	104	305.2	323.5	347.8	380.6	389.7	399.4	409.5	420.1	431.3
			45	113	287.7	304.9	327.9	358.7	367.4	376.4	386.0	396.0	406.6
			50	122	274.2	290.6	312.5	341.9	350.2	358.8	367.9	377.4	387.5
	40	104	20	68	290.3	307.7	330.9	362.0	370.7	379.9	389.5	399.6	410.3
			25	77	270.0	286.2	307.7	336.7	344.8	353.3	362.2	371.6	381.5
			30	86	264.7	280.5	301.7	330.1	338.0	346.3	355.1	364.3	374.1
			35	95	247.7	262.5	282.3	308.9	316.3	324.1	332.3	340.9	350.0
			40	104	234.7	248.8	267.6	292.7	299.8	307.2	315.0	323.2	331.8
			45	113	221.3	234.6	252.2	275.9	282.6	289.6	296.9	304.6	312.7
			50	122	210.9	223.6	240.4	263.0	269.3	276.0	283.0	290.3	298.1
	45	113	20	68	234.4	248.4	267.1	292.3	299.3	306.7	314.5	322.7	331.3
			25	77	218.0	231.1	248.4	271.8	278.4	285.3	292.5	300.1	308.1
			30	86	213.7	226.5	243.6	266.5	272.9	279.7	286.7	294.2	302.0
			35	95	200.0	212.0	227.9	249.4	255.4	261.7	268.3	275.3	282.6
			40	104	189.5	200.9	216.0	236.4	242.1	248.0	254.3	260.9	267.9
			45	113	178.7	189.4	203.6	222.8	228.2	233.8	239.7	246.0	252.5
			50	122	170.3	180.5	194.1	212.4	217.5	222.9	228.5	234.4	240.7

SPS 062 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 062	50	122	20	68	188.7	200.0	215.1	235.3	241.0	246.9	253.2	259.7	266.7
			25	77	175.5	186.0	200.0	218.8	224.1	229.6	235.4	241.6	248.0
			30	86	172.0	182.4	196.1	214.5	219.7	225.1	230.8	236.8	243.1
			35	95	161.0	170.6	183.5	200.8	205.6	210.7	216.0	221.6	227.5
			40	104	152.6	161.7	173.9	190.3	194.9	199.7	204.7	210.1	215.7
			45	113	143.8	152.5	163.9	179.4	183.7	188.2	193.0	198.0	203.3
			50	122	137.1	145.3	156.3	171.0	175.1	179.4	183.9	188.7	193.8
	55	131	20	68	162.0	171.7	184.6	202.0	206.8	211.9	217.3	223.0	228.9
			25	77	150.6	159.7	171.7	187.8	192.4	197.1	202.1	207.3	212.9
			30	86	147.7	156.5	168.3	184.1	188.6	193.2	198.1	203.3	208.7
			35	95	138.2	146.5	157.5	172.3	176.5	180.8	185.4	190.2	195.3
			40	104	131.0	138.8	149.3	163.3	167.3	171.4	175.7	180.3	185.1
			45	113	123.5	130.9	140.7	154.0	157.7	161.6	165.7	170.0	174.5
			50	122	117.7	124.7	134.1	146.7	150.3	154.0	157.9	162.0	166.3
	60	140	20	68	158.6	168.1	180.7	197.7	202.5	207.5	212.7	218.3	224.1
			25	77	147.5	156.3	168.1	183.9	188.3	193.0	197.9	203.0	208.4
			30	86	144.6	153.2	164.8	180.3	184.6	189.2	194.0	199.0	204.3
			35	95	135.3	143.4	154.2	168.7	172.8	177.0	181.5	186.2	191.2
			40	104	128.2	135.9	146.1	159.9	163.8	167.8	172.0	176.5	181.2
			45	113	120.9	128.1	137.8	150.7	154.4	158.2	162.2	166.4	170.8
			50	122	115.2	122.1	131.3	143.7	147.1	150.8	154.6	158.6	162.8
	65	149	20	68	150.9	160.0	172.0	188.2	192.8	197.5	202.5	207.8	213.3
			25	77	140.4	148.8	160.0	175.1	179.3	183.7	188.4	193.2	198.4
			30	86	137.6	145.9	156.9	171.6	175.8	180.1	184.7	189.5	194.5
			35	95	128.8	136.5	146.8	160.6	164.5	168.5	172.8	177.3	182.0
			40	104	122.1	129.4	139.1	152.2	155.9	159.7	163.8	168.0	172.5
			45	113	115.1	122.0	131.1	143.5	146.9	150.6	154.4	158.4	162.6
			50	122	109.7	116.3	125.0	136.8	140.1	143.5	147.2	151.0	155.0

SPS 080 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 080	25	77	20	68	749.1	794.0	853.8	934.2	956.7	980.3	1005.1	1031.2	1058.7
			25	77	696.7	738.5	794.0	868.8	889.7	911.7	934.8	959.0	984.6
			30	86	683.0	724.0	778.5	851.7	872.3	893.8	916.4	940.2	965.3
			35	95	639.1	677.5	728.5	797.0	816.3	836.4	857.6	879.9	903.3
			40	104	605.8	642.1	690.5	755.5	773.7	792.8	812.8	833.9	856.2
			45	113	571.0	605.3	650.9	712.1	729.3	747.3	766.2	786.1	807.1
			50	122	544.3	576.9	620.3	678.7	695.1	712.3	730.3	749.3	769.2
	30	86	20	68	586.6	621.8	668.6	731.6	749.2	767.7	787.1	807.6	829.1
			25	77	545.6	578.3	621.8	680.4	696.8	714.0	732.0	751.1	771.1
			30	86	534.9	567.0	609.6	667.0	683.1	700.0	717.7	736.3	756.0
			35	95	500.5	530.6	570.5	624.2	639.2	655.0	671.6	689.0	707.4
			40	104	474.4	502.9	540.7	591.6	605.9	620.8	636.6	653.1	670.5
			45	113	447.2	474.0	509.7	557.7	571.1	585.2	600.0	615.6	632.0
			50	122	426.2	451.8	485.8	531.5	544.3	557.8	571.9	586.8	602.4
	35	95	20	68	486.9	516.1	555.0	607.2	621.8	637.2	653.3	670.3	688.2
			25	77	452.8	480.0	516.1	564.7	578.3	592.6	607.6	623.4	640.0
			30	86	444.0	470.6	506.0	553.6	567.0	581.0	595.7	611.2	627.5
			35	95	415.4	440.4	473.5	518.1	530.6	543.7	557.4	571.9	587.2
			40	104	393.8	417.4	448.8	491.0	502.9	515.3	528.3	542.1	556.5
			45	113	371.2	393.4	423.1	462.9	474.0	485.7	498.0	511.0	524.6
			50	122	353.8	375.0	403.2	441.2	451.8	463.0	474.7	487.0	500.0
	40	104	20	68	374.5	397.0	426.9	467.1	478.3	490.2	502.6	515.6	529.4
			25	77	348.3	369.2	397.0	434.4	444.9	455.8	467.4	479.5	492.3
			30	86	341.5	362.0	389.2	425.9	436.1	446.9	458.2	470.1	482.7
			35	95	319.6	338.7	364.2	398.5	408.1	418.2	428.8	439.9	451.7
			40	104	302.9	321.1	345.2	377.7	386.8	396.4	406.4	417.0	428.1
			45	113	285.5	302.6	325.4	356.1	364.6	373.6	383.1	393.0	403.5
			50	122	272.1	288.5	310.2	339.4	347.5	356.1	365.1	374.6	384.6
	45	113	20	68	302.4	320.6	344.7	377.1	386.2	395.8	405.8	416.3	427.4
			25	77	281.3	298.1	320.6	350.7	359.2	368.1	377.4	387.2	397.5
			30	86	275.7	292.3	314.3	343.9	352.2	360.9	370.0	379.6	389.7
			35	95	258.0	273.5	294.1	321.8	329.5	337.7	346.2	355.2	364.7
			40	104	244.6	259.2	278.8	305.0	312.3	320.1	328.2	336.7	345.7
			45	113	230.5	244.4	262.8	287.5	294.4	301.7	309.3	317.4	325.8
			50	122	219.7	232.9	250.5	274.0	280.6	287.6	294.8	302.5	310.6

SPS 080 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 080	50	122	20	68	243.5	258.1	277.5	303.6	310.9	318.6	326.7	335.1	344.1
			25	77	226.4	240.0	258.1	282.4	289.2	296.3	303.8	311.7	320.0
			30	86	222.0	235.3	253.0	276.8	283.5	290.5	297.8	305.6	313.7
			35	95	207.7	220.2	236.8	259.0	265.3	271.8	278.7	286.0	293.6
			40	104	196.9	208.7	224.4	245.5	251.4	257.6	264.2	271.0	278.3
			45	113	185.6	196.7	211.5	231.4	237.0	242.9	249.0	255.5	262.3
			50	122	176.9	187.5	201.6	220.6	225.9	231.5	237.3	243.5	250.0
	55	131	20	68	209.0	221.5	238.2	260.6	266.9	273.5	280.4	287.7	295.4
			25	77	194.3	206.0	221.5	242.4	248.2	254.3	260.8	267.5	274.7
			30	86	190.5	202.0	217.2	237.6	243.3	249.3	255.7	262.3	269.3
			35	95	178.3	189.0	203.2	222.4	227.7	233.3	239.2	245.5	252.0
			40	104	169.0	179.1	192.6	210.8	215.8	221.2	226.8	232.6	238.9
			45	113	159.3	168.9	181.6	198.7	203.4	208.5	213.7	219.3	225.1
			50	122	151.8	160.9	173.1	189.3	193.9	198.7	203.7	209.0	214.6
	60	140	20	68	204.6	216.9	233.2	255.1	261.3	267.7	274.5	281.6	289.1
			25	77	190.3	201.7	216.9	237.3	243.0	249.0	255.3	261.9	268.9
			30	86	186.5	197.7	212.6	232.6	238.2	244.1	250.3	256.8	263.6
			35	95	174.6	185.0	199.0	217.7	222.9	228.4	234.2	240.3	246.7
			40	104	165.4	175.4	188.6	206.3	211.3	216.5	222.0	227.8	233.8
			45	113	156.0	165.3	177.8	194.5	199.2	204.1	209.3	214.7	220.4
			50	122	148.6	157.6	169.4	185.4	189.8	194.5	199.4	204.6	210.1
	65	149	20	68	194.8	206.5	222.0	242.9	248.7	254.9	261.3	268.1	275.3
			25	77	181.1	192.0	206.5	225.9	231.3	237.0	243.0	249.4	256.0
			30	86	177.6	188.2	202.4	221.5	226.8	232.4	238.3	244.5	251.0
			35	95	166.2	176.1	189.4	207.2	212.2	217.5	223.0	228.8	234.9
			40	104	157.5	167.0	179.5	196.4	201.2	206.1	211.3	216.8	222.6
			45	113	148.5	157.4	169.2	185.1	189.6	194.3	199.2	204.4	209.8
			50	122	141.5	150.0	161.3	176.5	180.7	185.2	189.9	194.8	200.0

SPS 100 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 100	25	77	20	68	936.4	992.6	1067.3	1167.7	1195.9	1225.4	1256.4	1289.0	1323.4
			25	77	870.8	923.1	992.6	1086.0	1112.1	1139.6	1168.5	1198.8	1230.8
			30	86	853.8	905.0	973.1	1064.7	1090.3	1117.3	1145.5	1175.3	1206.6
			35	95	798.9	846.9	910.6	996.3	1020.3	1045.5	1072.0	1099.8	1129.1
			40	104	757.2	802.7	863.1	944.3	967.1	991.0	1016.0	1042.4	1070.2
			45	113	713.8	756.6	813.6	890.1	911.6	934.1	957.7	982.6	1008.8
			50	122	680.3	721.2	775.4	848.4	868.9	890.3	912.9	936.6	961.5
	30	86	20	68	733.3	777.3	835.8	914.5	936.5	959.6	983.9	1009.5	1036.4
			25	77	682.0	722.9	777.3	850.5	871.0	892.5	915.1	938.8	963.9
			30	86	668.6	708.7	762.1	833.8	853.9	875.0	897.1	920.4	945.0
			35	95	625.7	663.2	713.1	780.2	799.0	818.8	839.5	861.3	884.3
			40	104	593.0	628.6	675.9	739.5	757.4	776.1	795.7	816.4	838.1
			45	113	559.0	592.5	637.1	697.1	713.9	731.5	750.0	769.5	790.0
			50	122	532.8	564.8	607.3	664.4	680.4	697.2	714.9	733.5	753.0
	35	95	20	68	608.6	645.2	693.7	759.0	777.3	796.5	816.7	837.9	860.2
			25	77	566.0	600.0	645.2	705.9	722.9	740.7	759.5	779.2	800.0
			30	86	554.9	588.2	632.5	692.0	708.7	726.2	744.6	763.9	784.3
			35	95	519.3	550.5	591.9	647.6	663.2	679.6	696.8	714.9	733.9
			40	104	492.2	521.7	561.0	613.8	628.6	644.1	660.4	677.6	695.7
			45	113	464.0	491.8	528.8	578.6	592.5	607.2	622.5	638.7	655.7
			50	122	442.2	468.8	504.0	551.5	564.8	578.7	593.4	608.8	625.0
	40	104	20	68	468.2	496.3	533.6	583.9	597.9	612.7	628.2	644.5	661.7
			25	77	435.4	461.5	496.3	543.0	556.1	569.8	584.2	599.4	615.4
			30	86	426.9	452.5	486.5	532.3	545.2	558.6	572.8	587.6	603.3
			35	95	399.5	423.4	455.3	498.2	510.2	522.8	536.0	549.9	564.6
			40	104	378.6	401.3	431.5	472.2	483.5	495.5	508.0	521.2	535.1
			45	113	356.9	378.3	406.8	445.1	455.8	467.0	478.9	491.3	504.4
			50	122	340.2	360.6	387.7	424.2	434.4	445.2	456.4	468.3	480.8
	45	113	20	68	378.0	400.7	430.9	471.4	482.8	494.7	507.2	520.4	534.3
			25	77	351.6	372.7	400.7	438.4	449.0	460.1	471.7	484.0	496.9
			30	86	344.7	365.4	392.9	429.8	440.2	451.1	462.5	474.5	487.2
			35	95	322.5	341.9	367.6	402.2	411.9	422.1	432.8	444.0	455.9
			40	104	305.7	324.1	348.5	381.2	390.4	400.1	410.2	420.9	432.1
			45	113	288.2	305.5	328.5	359.4	368.0	377.1	386.7	396.7	407.3
			50	122	274.7	291.1	313.1	342.5	350.8	359.4	368.5	378.1	388.2

SPS 100 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
SPS 100	50	122	20	68	304.3	322.6	346.9	379.5	388.7	398.2	408.3	418.9	430.1
			25	77	283.0	300.0	322.6	352.9	361.4	370.4	379.7	389.6	400.0
			30	86	277.5	294.1	316.3	346.0	354.4	363.1	372.3	382.0	392.2
			35	95	259.7	275.2	295.9	323.8	331.6	339.8	348.4	357.4	367.0
			40	104	246.1	260.9	280.5	306.9	314.3	322.1	330.2	338.8	347.8
			45	113	232.0	245.9	264.4	289.3	296.3	303.6	311.3	319.4	327.9
			50	122	221.1	234.4	252.0	275.7	282.4	289.4	296.7	304.4	312.5
	55	131	20	68	261.2	276.9	297.7	325.8	333.6	341.8	350.5	359.6	369.2
			25	77	242.9	257.5	276.9	303.0	310.3	317.9	326.0	334.4	343.3
			30	86	238.2	252.5	271.5	297.0	304.2	311.7	319.6	327.9	336.6
			35	95	222.9	236.2	254.0	277.9	284.6	291.7	299.0	306.8	315.0
			40	104	211.2	223.9	240.8	263.4	269.8	276.4	283.4	290.8	298.6
			45	113	199.1	211.1	227.0	248.3	254.3	260.6	267.2	274.1	281.4
			50	122	189.8	201.2	216.3	236.7	242.4	248.4	254.7	261.3	268.2
	60	140	20	68	255.7	271.1	291.5	318.9	326.6	334.7	343.1	352.0	361.4
			25	77	237.8	252.1	271.1	296.6	303.7	311.2	319.1	327.4	336.1
			30	86	233.2	247.2	265.8	290.8	297.8	305.1	312.9	321.0	329.5
			35	95	218.2	231.3	248.7	272.1	278.7	285.5	292.8	300.4	308.4
			40	104	206.8	219.2	235.7	257.9	264.1	270.6	277.5	284.7	292.3
			45	113	194.9	206.6	222.2	243.1	249.0	255.1	261.6	268.4	275.5
			50	122	185.8	197.0	211.8	231.7	237.3	243.2	249.3	255.8	262.6
	65	149	20	68	243.5	258.1	277.5	303.6	310.9	318.6	326.7	335.1	344.1
			25	77	226.4	240.0	258.1	282.4	289.2	296.3	303.8	311.7	320.0
			30	86	222.0	235.3	253.0	276.8	283.5	290.5	297.8	305.6	313.7
			35	95	207.7	220.2	236.8	259.0	265.3	271.8	278.7	286.0	293.6
			40	104	196.9	208.7	224.4	245.5	251.4	257.6	264.2	271.0	278.3
			45	113	185.6	196.7	211.5	231.4	237.0	242.9	249.0	255.5	262.3
			50	122	176.9	187.5	201.6	220.6	225.9	231.5	237.3	243.5	250.0

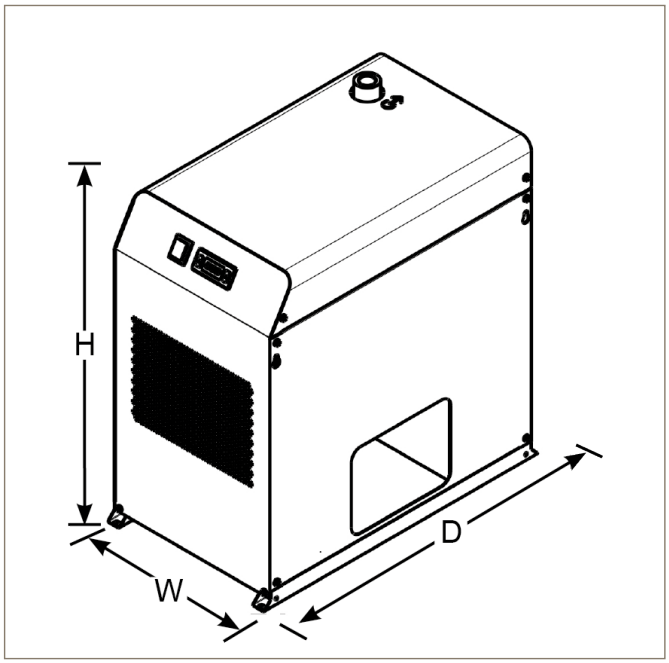
SPS Direct Expansion Refrigeration Dryer Technical Data

Pipe Connections, Weights & Dimensions

Model	Pipe Connections	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
SPS 004	½" BSPP	520	20.5	300	11.8	400	15.7	24	53
SPS 007	½" BSPP	520	20.5	300	11.8	400	15.7	24	53
SPS 009	½" BSPP	520	20.5	300	11.8	400	15.7	25	55
SPS 014	¾" BSPP	580	22.8	330	13.0	550	21.7	35	77
SPS 018	¾" BSPP	580	22.8	330	13.0	550	21.7	36	79
SPS 026	1" BSPP	650	25.6	400	15.7	630	24.8	46	101
SPS 032	1" BSPP	650	25.6	400	15.7	630	24.8	46	101
SPS 040	1" BSPP	650	25.6	400	15.7	630	24.8	47	104
SPS 052	1½" BSPP	650	25.6	400	15.7	630	24.8	53	117
SPS 062	1½" BSPP	650	25.6	400	15.7	630	24.8	55	121
SPS 080	1½" BSPP	840	33.1	450	17.7	780	30.7	80	176
SPS 100	1½" BSPP	840	33.1	450	17.7	780	30.7	80	176

Dryer Performance (Including Filtration)

ISO8573-1:2010 Classification	+3˚C PDP	+37˚F PDP
	Class 1.4.2	



Operation Parameters (SPS 004 to 062)

Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	65.0˚C	149.0˚F
Maximum Ambient Temperature	50.0˚C	122.0˚F
Supply Voltage	230V AC 50/60Hz	
Noise	<75 dB (A)	

Operation Parameters (SPS 080 & 100)

Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	14.0 bar(g)	203.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	65.0˚C	149.0˚F
Maximum Ambient Temperature	50.0˚C	122.0˚F
Supply Voltage	230V AC 50/60Hz	
Noise	<75 dB (A)	

SPS Direct Expansion Refrigeration Dryer Technical Data

Recommended Filtration

Model	Dryer Inlet	Dryer Outlet
	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
SPS 004	AOPX010C	AAPX010C
SPS 007	AOPX015C	AAPX015C
SPS 009	AOPX015C	AAPX015C
SPS 014	AOPX020D	AAPX020D
SPS 018	AOPX020D	AAPX020D
SPS 026	AOPX025E	AAPX025E
SPS 032	AOPX025E	AAPX025E
SPS 040	AOPX025E	AAPX025E
SPS 052	AOPX030G	AAPX030G
SPS 062	AOPX030G	AAPX030G
SPS 080	AOPX035G	AAPX035G
SPS 100	AOPX035G	AAPX035G

Part Numbers

Model	Part Number With Timed Drain	Part Number With Electronic Drain	Part Number With Electronic Drain & Energy Saving	Part Number With External Float Drain
SPS 004	SPS004-A2301DF16TIS	SPS004-A2301DF16EXS	-	SPS004-A2301DF16FHS
SPS 007	SPS007-A2301DF16TIS	SPS007-A2301DF16EXS	-	SPS007-A2301DF16FHS
SPS 009	SPS009-A2301DF16TIS	SPS009-A2301DF16EXS	-	SPS009-A2301DF16FHS
SPS 014	SPS014-A2301DF16TIS	SPS014-A2301DF16EXS	-	SPS014-A2301DF16FHS
SPS 018	SPS018-A2301DF16TIS	SPS018-A2301DF16EXS	-	SPS018-A2301DF16FHS
SPS 026	SPS026-A2301DF16TIS	SPS026-A2301DF16EXS	SPS026-A2301DF16EXSES	SPS026-A2301DF16FHS
SPS 032	SPS032-A2301DF16TIS	SPS032-A2301DF16EXS	SPS032-A2301DF16EXSES	SPS032-A2301DF16FHS
SPS 040	SPS040-A2301DF16TIS	SPS040-A2301DF16EXS	SPS040-A2301DF16EXSES	SPS040-A2301DF16FHS
SPS 052	SPS052-A2301DF16TIS	SPS052-A2301DF16EXS	SPS052-A2301DF16EXSES	SPS052-A2301DF16FHS
SPS 062	SPS062-A2301DF16TIS	SPS062-A2301DF16EXS	SPS062-A2301DF16EXSES	SPS062-A2301DF16FHS
SPS 080	SPS080-A2301DF14TIS	SPS080-A2301DF14EXS	SPS080-A2301DF14EXSES	SPS080-A2301DF14FHS
SPS 100	SPS100-A2301DF14TIS	SPS100-A2301DF14EXS	SPS100-A2301DF14EXSES	SPS100-A2301DF14FHS

PSE 120 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 120	30	86	20	68	29.4	30.5	31.8	32.8	33.6	34.7	35.1	35.9	35.9
			25	77	28.5	29.6	30.9	31.9	32.6	33.7	34.1	34.9	34.9
			30	86	27.4	28.5	29.7	30.6	31.3	32.4	32.7	33.5	33.5
			35	95	26.4	27.4	28.6	29.5	30.1	31.2	31.5	32.3	32.3
			40	104	25.0	26.0	27.1	27.9	28.6	29.5	29.9	30.6	30.6
			45	113	23.4	24.3	25.3	26.1	26.7	27.6	27.9	28.6	28.6
			50	122	20.5	21.3	22.2	22.9	23.4	24.2	24.5	25.1	25.1
	35	95	20	68	23.8	24.7	25.8	26.6	27.2	28.1	28.4	29.1	29.1
			25	77	23.1	24.0	25.0	25.8	26.4	27.3	27.6	28.2	28.2
			30	86	22.2	23.1	24.0	24.8	25.4	26.2	26.5	27.1	27.1
			35	95	21.4	22.2	23.1	23.9	24.4	25.3	25.5	26.1	26.1
			40	104	20.2	21.1	21.9	22.6	23.1	23.9	24.2	24.8	24.8
			45	113	18.9	19.7	20.5	21.2	21.6	22.4	22.6	23.1	23.1
			50	122	16.6	17.3	18.0	18.6	19.0	19.6	19.8	20.3	20.3
	40	104	20	68	19.3	20.1	21.0	21.6	22.1	22.9	23.1	23.7	23.7
			25	77	18.8	19.5	20.3	21.0	21.4	22.2	22.4	23.0	23.0
			30	86	18.0	18.8	19.5	20.2	20.6	21.3	21.6	22.1	22.1
			35	95	17.4	18.1	18.8	19.4	19.9	20.5	20.8	21.3	21.3
			40	104	16.5	17.1	17.8	18.4	18.8	19.4	19.7	20.1	20.1
			45	113	15.4	16.0	16.7	17.2	17.6	18.2	18.4	18.8	18.8
			50	122	13.5	14.0	14.6	15.1	15.4	16.0	16.1	16.5	16.5
	45	113	20	68	16.0	16.6	17.3	17.9	18.2	18.9	19.1	19.5	19.5
			25	77	15.5	16.1	16.8	17.3	17.7	18.3	18.5	18.9	18.9
			30	86	14.9	15.5	16.1	16.7	17.0	17.6	17.8	18.2	18.2
			35	95	14.3	14.9	15.5	16.0	16.4	16.9	17.1	17.5	17.5
			40	104	13.6	14.1	14.7	15.2	15.5	16.1	16.2	16.6	16.6
			45	113	12.7	13.2	13.8	14.2	14.5	15.0	15.2	15.5	15.5
			50	122	11.1	11.6	12.1	12.5	12.7	13.2	13.3	13.6	13.6
	50	122	20	68	13.1	13.6	14.2	14.6	14.9	15.4	15.6	16.0	16.0
			25	77	12.7	13.2	13.7	14.2	14.5	15.0	15.2	15.5	15.5
			30	86	12.2	12.7	13.2	13.6	13.9	14.4	14.6	14.9	14.9
			35	95	11.7	12.2	12.7	13.1	13.4	13.9	14.0	14.4	14.4
			40	104	11.1	11.6	12.0	12.4	12.7	13.1	13.3	13.6	13.6
			45	113	10.4	10.8	11.3	11.6	11.9	12.3	12.4	12.7	12.7
			50	122	9.1	9.5	9.9	10.2	10.4	10.8	10.9	11.2	11.2

PSE 120 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 120	55	131	20	68	9.8	10.1	10.6	10.9	11.1	11.5	11.7	11.9	11.9
			25	77	9.5	9.8	10.2	10.6	10.8	11.2	11.3	11.6	11.6
			30	86	9.1	9.5	9.9	10.2	10.4	10.7	10.9	11.1	11.1
			35	95	8.8	9.1	9.5	9.8	10.0	10.3	10.5	10.7	10.7
			40	104	8.3	8.6	9.0	9.3	9.5	9.8	9.9	10.2	10.2
			45	113	7.8	8.1	8.4	8.7	8.9	9.2	9.3	9.5	9.5
			50	122	6.8	7.1	7.4	7.6	7.8	8.0	8.1	8.3	8.3
	60	140	20	68	9.0	9.4	9.8	10.1	10.3	10.7	10.8	11.1	11.1
			25	77	8.8	9.1	9.5	9.8	10.0	10.4	10.5	10.7	10.7
			30	86	8.4	8.8	9.1	9.4	9.6	10.0	10.1	10.3	10.3
			35	95	8.1	8.4	8.8	9.1	9.3	9.6	9.7	9.9	9.9
			40	104	7.7	8.0	8.3	8.6	8.8	9.1	9.2	9.4	9.4
			45	113	7.2	7.5	7.8	8.0	8.2	8.5	8.6	8.8	8.8
			50	122	6.3	6.6	6.8	7.1	7.2	7.5	7.5	7.7	7.7
	65	149	20	68	8.1	8.4	8.8	9.0	9.2	9.6	9.7	9.9	9.9
			25	77	7.8	8.2	8.5	8.8	9.0	9.3	9.4	9.6	9.6
			30	86	7.5	7.8	8.2	8.4	8.6	8.9	9.0	9.2	9.2
			35	95	7.3	7.6	7.9	8.1	8.3	8.6	8.7	8.9	8.9
			40	104	6.9	7.2	7.5	7.7	7.9	8.1	8.2	8.4	8.4
			45	113	6.4	6.7	7.0	7.2	7.4	7.6	7.7	7.9	7.9
			50	122	5.6	5.9	6.1	6.3	6.5	6.7	6.8	6.9	6.9

PSE 140 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 140	30	86	20	68	51.4	53.5	55.7	57.5	58.7	60.7	61.4	62.9	62.9
			25	77	49.9	51.9	54.0	55.8	57.0	58.9	59.6	61.0	61.0
			30	86	47.9	49.9	51.9	53.6	54.8	56.7	57.3	58.7	58.7
			35	95	46.2	48.0	50.0	51.6	52.8	54.6	55.2	56.5	56.5
			40	104	43.7	45.5	47.4	48.9	50.0	51.7	52.3	53.5	53.5
			45	113	40.9	42.5	44.3	45.7	46.7	48.3	48.9	50.0	50.0
			50	122	35.9	37.3	38.9	40.1	41.0	42.4	42.9	43.9	43.9
	35	95	20	68	41.6	43.3	45.1	46.6	47.6	49.2	49.8	50.9	50.9
			25	77	40.4	42.0	43.8	45.2	46.2	47.7	48.3	49.4	49.4
			30	86	38.8	40.4	42.1	43.4	44.4	45.9	46.4	47.5	47.5
			35	95	37.4	38.9	40.5	41.8	42.7	44.2	44.7	45.8	45.8
			40	104	35.4	36.8	38.4	39.6	40.5	41.9	42.3	43.3	43.3
			45	113	33.1	34.4	35.9	37.0	37.8	39.1	39.6	40.5	40.5
			50	122	29.1	30.2	31.5	32.5	33.2	34.3	34.7	35.5	35.5
	40	104	20	68	33.8	35.2	36.7	37.9	38.7	40.0	40.5	41.4	41.4
			25	77	32.8	34.1	35.6	36.7	37.5	38.8	39.2	40.2	40.2
			30	86	31.6	32.8	34.2	35.3	36.1	37.3	37.7	38.6	38.6
			35	95	30.4	31.6	32.9	34.0	34.7	35.9	36.3	37.2	37.2
			40	104	28.8	30.0	31.2	32.2	32.9	34.0	34.4	35.2	35.2
			45	113	26.9	28.0	29.2	30.1	30.8	31.8	32.2	32.9	32.9
			50	122	23.6	24.6	25.6	26.4	27.0	27.9	28.2	28.9	28.9
	45	113	20	68	27.9	29.1	30.3	31.2	31.9	33.0	33.4	34.2	34.2
			25	77	27.1	28.2	29.4	30.3	31.0	32.0	32.4	33.2	33.2
			30	86	26.1	27.1	28.2	29.1	29.8	30.8	31.2	31.9	31.9
			35	95	25.1	26.1	27.2	28.1	28.7	29.7	30.0	30.7	30.7
			40	104	23.8	24.7	25.8	26.6	27.2	28.1	28.4	29.1	29.1
			45	113	22.2	23.1	24.1	24.8	25.4	26.3	26.6	27.2	27.2
			50	122	19.5	20.3	21.1	21.8	22.3	23.0	23.3	23.9	23.9
	50	122	20	68	22.9	23.8	24.8	25.6	26.1	27.0	27.3	28.0	28.0
			25	77	22.2	23.1	24.0	24.8	25.4	26.2	26.5	27.1	27.1
			30	86	21.3	22.2	23.1	23.9	24.4	25.2	25.5	26.1	26.1
			35	95	20.5	21.4	22.3	23.0	23.5	24.3	24.6	25.1	25.1
			40	104	19.5	20.2	21.1	21.8	22.2	23.0	23.3	23.8	23.8
			45	113	18.2	18.9	19.7	20.3	20.8	21.5	21.7	22.3	22.3
			50	122	16.0	16.6	17.3	17.9	18.2	18.9	19.1	19.5	19.5

PSE 140 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 140	55	131	20	68	17.1	17.7	18.5	19.1	19.5	20.2	20.4	20.9	20.9
			25	77	16.6	17.2	17.9	18.5	18.9	19.6	19.8	20.3	20.3
			30	86	15.9	16.6	17.2	17.8	18.2	18.8	19.0	19.5	19.5
			35	95	15.3	15.9	16.6	17.1	17.5	18.1	18.3	18.8	18.8
			40	104	14.5	15.1	15.7	16.2	16.6	17.2	17.4	17.8	17.8
			45	113	13.6	14.1	14.7	15.2	15.5	16.0	16.2	16.6	16.6
			50	122	11.9	12.4	12.9	13.3	13.6	14.1	14.2	14.6	14.6
	60	140	20	68	15.8	16.5	17.1	17.7	18.1	18.7	18.9	19.4	19.4
			25	77	15.4	16.0	16.6	17.2	17.5	18.1	18.4	18.8	18.8
			30	86	14.8	15.4	16.0	16.5	16.9	17.4	17.6	18.1	18.1
			35	95	14.2	14.8	15.4	15.9	16.2	16.8	17.0	17.4	17.4
			40	104	13.5	14.0	14.6	15.1	15.4	15.9	16.1	16.5	16.5
			45	113	12.6	13.1	13.6	14.1	14.4	14.9	15.0	15.4	15.4
			50	122	11.0	11.5	12.0	12.4	12.6	13.1	13.2	13.5	13.5
	65	149	20	68	14.2	14.7	15.3	15.8	16.2	16.7	16.9	17.3	17.3
			25	77	13.7	14.3	14.9	15.4	15.7	16.2	16.4	16.8	16.8
			30	86	13.2	13.7	14.3	14.8	15.1	15.6	15.8	16.2	16.2
			35	95	12.7	13.2	13.8	14.2	14.5	15.0	15.2	15.6	15.6
			40	104	12.0	12.5	13.1	13.5	13.8	14.2	14.4	14.7	14.7
			45	113	11.3	11.7	12.2	12.6	12.9	13.3	13.5	13.8	13.8
			50	122	9.9	10.3	10.7	11.1	11.3	11.7	11.8	12.1	12.1

PSE 180 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 180	30	86	20	68	66.1	68.7	71.6	73.9	75.5	78.1	79.0	80.9	80.9
			25	77	64.1	66.7	69.4	71.7	73.3	75.8	76.6	78.4	78.4
			30	86	61.6	64.1	66.8	68.9	70.4	72.8	73.7	75.4	75.4
			35	95	59.4	61.7	64.3	66.4	67.8	70.1	71.0	72.6	72.6
			40	104	56.2	58.5	60.9	62.9	64.3	66.5	67.2	68.8	68.8
			45	113	52.5	54.6	56.9	58.8	60.0	62.1	62.8	64.3	64.3
			50	122	46.1	48.0	50.0	51.6	52.7	54.5	55.1	56.4	56.4
	35	95	20	68	53.5	55.7	58.0	59.9	61.2	63.3	64.0	65.5	65.5
			25	77	51.9	54.0	56.3	58.1	59.3	61.4	62.1	63.5	63.5
			30	86	49.9	51.9	54.1	55.8	57.1	59.0	59.7	61.1	61.1
			35	95	48.1	50.0	52.1	53.8	54.9	56.8	57.5	58.8	58.8
			40	104	45.5	47.4	49.3	50.9	52.1	53.8	54.4	55.7	55.7
			45	113	42.6	44.3	46.1	47.6	48.6	50.3	50.9	52.1	52.1
			50	122	37.4	38.8	40.5	41.8	42.7	44.1	44.7	45.7	45.7
	40	104	20	68	43.5	45.3	47.1	48.7	49.7	51.4	52.0	53.2	53.2
			25	77	42.2	43.9	45.7	47.2	48.2	49.9	50.5	51.6	51.6
			30	86	40.6	42.2	44.0	45.4	46.4	48.0	48.5	49.7	49.7
			35	95	39.1	40.7	42.3	43.7	44.7	46.2	46.7	47.8	47.8
			40	104	37.0	38.5	40.1	41.4	42.3	43.8	44.3	45.3	45.3
			45	113	34.6	36.0	37.5	38.7	39.5	40.9	41.4	42.3	42.3
			50	122	30.4	31.6	32.9	34.0	34.7	35.9	36.3	37.2	37.2
	45	113	20	68	35.9	37.4	38.9	40.2	41.1	42.5	42.9	44.0	44.0
			25	77	34.8	36.2	37.8	39.0	39.8	41.2	41.7	42.6	42.6
			30	86	33.5	34.8	36.3	37.5	38.3	39.6	40.1	41.0	41.0
			35	95	32.3	33.6	35.0	36.1	36.9	38.1	38.6	39.5	39.5
			40	104	30.6	31.8	33.1	34.2	34.9	36.1	36.5	37.4	37.4
			45	113	28.6	29.7	30.9	31.9	32.6	33.8	34.1	34.9	34.9
			50	122	25.1	26.1	27.2	28.0	28.7	29.6	30.0	30.7	30.7
	50	122	20	68	29.4	30.6	31.9	32.9	33.6	34.8	35.2	36.0	36.0
			25	77	28.5	29.7	30.9	31.9	32.6	33.7	34.1	34.9	34.9
			30	86	27.4	28.5	29.7	30.7	31.4	32.4	32.8	33.6	33.6
			35	95	26.4	27.5	28.6	29.5	30.2	31.2	31.6	32.3	32.3
			40	104	25.0	26.0	27.1	28.0	28.6	29.6	29.9	30.6	30.6
			45	113	23.4	24.3	25.3	26.2	26.7	27.6	28.0	28.6	28.6
			50	122	20.5	21.3	22.2	23.0	23.5	24.3	24.5	25.1	25.1

PSE 180 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 180	55	131	20	68	21.9	22.8	23.8	24.5	25.1	25.9	26.2	26.8	26.8
			25	77	21.3	22.1	23.1	23.8	24.3	25.1	25.4	26.0	26.0
			30	86	20.5	21.3	22.2	22.9	23.4	24.2	24.5	25.0	25.0
			35	95	19.7	20.5	21.3	22.0	22.5	23.3	23.6	24.1	24.1
			40	104	18.7	19.4	20.2	20.9	21.3	22.1	22.3	22.8	22.8
			45	113	17.4	18.1	18.9	19.5	19.9	20.6	20.9	21.3	21.3
			50	122	15.3	15.9	16.6	17.1	17.5	18.1	18.3	18.7	18.7
	60	140	20	68	20.4	21.2	22.0	22.8	23.3	24.1	24.3	24.9	24.9
			25	77	19.7	20.5	21.4	22.1	22.6	23.3	23.6	24.2	24.2
			30	86	19.0	19.7	20.6	21.2	21.7	22.4	22.7	23.2	23.2
			35	95	18.3	19.0	19.8	20.4	20.9	21.6	21.9	22.4	22.4
			40	104	17.3	18.0	18.8	19.4	19.8	20.5	20.7	21.2	21.2
			45	113	16.2	16.8	17.5	18.1	18.5	19.1	19.3	19.8	19.8
			50	122	14.2	14.8	15.4	15.9	16.2	16.8	17.0	17.4	17.4
	65	149	20	68	18.2	18.9	19.7	20.4	20.8	21.5	21.8	22.3	22.3
			25	77	17.7	18.4	19.1	19.7	20.2	20.9	21.1	21.6	21.6
			30	86	17.0	17.7	18.4	19.0	19.4	20.1	20.3	20.8	20.8
			35	95	16.4	17.0	17.7	18.3	18.7	19.3	19.5	20.0	20.0
			40	104	15.5	16.1	16.8	17.3	17.7	18.3	18.5	19.0	19.0
			45	113	14.5	15.1	15.7	16.2	16.5	17.1	17.3	17.7	17.7
			50	122	12.7	13.2	13.8	14.2	14.5	15.0	15.2	15.5	15.5

PSE 220 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 220	30	86	20	68	102.8	106.9	111.4	115.0	117.5	121.5	122.9	125.8	125.8
			25	77	99.7	103.7	108.0	111.5	114.0	117.8	119.2	122.0	122.0
			30	86	95.9	99.7	103.9	107.2	109.6	113.3	114.6	117.3	117.3
			35	95	92.3	96.0	100.0	103.2	105.5	109.1	110.4	113.0	113.0
			40	104	87.5	91.0	94.8	97.8	100.0	103.4	104.6	107.0	107.0
			45	113	81.7	85.0	88.5	91.4	93.4	96.6	97.7	100.0	100.0
			50	122	71.7	74.6	77.7	80.2	82.0	84.8	85.8	87.8	87.8
	35	95	20	68	83.3	86.6	90.2	93.1	95.2	98.4	99.5	101.9	101.9
			25	77	80.8	84.0	87.5	90.3	92.3	95.5	96.6	98.8	98.8
			30	86	77.7	80.8	84.1	86.8	88.8	91.8	92.8	95.0	95.0
			35	95	74.8	77.8	81.0	83.6	85.5	88.4	89.4	91.5	91.5
			40	104	70.9	73.7	76.8	79.2	81.0	83.7	84.7	86.7	86.7
			45	113	66.2	68.9	71.7	74.0	75.7	78.2	79.1	81.0	81.0
			50	122	58.1	60.4	62.9	65.0	66.4	68.7	69.5	71.1	71.1
	40	104	20	68	67.7	70.4	73.3	75.7	77.4	80.0	80.9	82.8	82.8
			25	77	65.7	68.3	71.1	73.4	75.0	77.6	78.5	80.3	80.3
			30	86	63.1	65.7	68.4	70.6	72.2	74.6	75.5	77.3	77.3
			35	95	60.8	63.2	65.9	68.0	69.5	71.9	72.7	74.4	74.4
			40	104	57.6	59.9	62.4	64.4	65.8	68.1	68.9	70.5	70.5
			45	113	53.8	56.0	58.3	60.2	61.5	63.6	64.3	65.9	65.9
			50	122	47.2	49.1	51.2	52.8	54.0	55.8	56.5	57.8	57.8
	45	113	20	68	55.9	58.1	60.5	62.5	63.9	66.0	66.8	68.4	68.4
			25	77	54.2	56.4	58.7	60.6	62.0	64.1	64.8	66.3	66.3
			30	86	52.1	54.2	56.5	58.3	59.6	61.6	62.3	63.8	63.8
			35	95	50.2	52.2	54.4	56.1	57.4	59.3	60.0	61.4	61.4
			40	104	47.6	49.5	51.5	53.2	54.3	56.2	56.8	58.2	58.2
			45	113	44.4	46.2	48.1	49.7	50.8	52.5	53.1	54.4	54.4
			50	122	39.0	40.6	42.2	43.6	44.6	46.1	46.6	47.7	47.7
	50	122	20	68	45.8	47.6	49.6	51.2	52.3	54.1	54.7	56.0	56.0
			25	77	44.4	46.2	48.1	49.6	50.7	52.4	53.1	54.3	54.3
			30	86	42.7	44.4	46.2	47.7	48.8	50.4	51.0	52.2	52.2
			35	95	41.1	42.7	44.5	46.0	47.0	48.6	49.1	50.3	50.3
			40	104	38.9	40.5	42.2	43.5	44.5	46.0	46.5	47.6	47.6
			45	113	36.4	37.8	39.4	40.7	41.6	43.0	43.5	44.5	44.5
			50	122	31.9	33.2	34.6	35.7	36.5	37.7	38.2	39.1	39.1

PSE 220 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 220	55	131	20	68	34.1	35.5	37.0	38.2	39.0	40.3	40.8	41.8	41.8
			25	77	33.1	34.4	35.9	37.0	37.8	39.1	39.6	40.5	40.5
			30	86	31.8	33.1	34.5	35.6	36.4	37.6	38.0	38.9	38.9
			35	95	30.7	31.9	33.2	34.3	35.0	36.2	36.6	37.5	37.5
			40	104	29.0	30.2	31.5	32.5	33.2	34.3	34.7	35.5	35.5
			45	113	27.1	28.2	29.4	30.3	31.0	32.1	32.4	33.2	33.2
			50	122	23.8	24.8	25.8	26.6	27.2	28.1	28.5	29.1	29.1
	60	140	20	68	31.7	32.9	34.3	35.4	36.2	37.4	37.8	38.7	38.7
			25	77	30.7	31.9	33.3	34.3	35.1	36.3	36.7	37.6	37.6
			30	86	29.5	30.7	32.0	33.0	33.7	34.9	35.3	36.1	36.1
			35	95	28.4	29.6	30.8	31.8	32.5	33.6	34.0	34.8	34.8
			40	104	26.9	28.0	29.2	30.1	30.8	31.8	32.2	33.0	33.0
			45	113	25.2	26.2	27.3	28.2	28.8	29.7	30.1	30.8	30.8
			50	122	22.1	23.0	23.9	24.7	25.3	26.1	26.4	27.0	27.0
	65	149	20	68	28.3	29.5	30.7	31.7	32.4	33.5	33.9	34.7	34.7
			25	77	27.5	28.6	29.8	30.7	31.4	32.5	32.8	33.6	33.6
			30	86	26.4	27.5	28.6	29.5	30.2	31.2	31.6	32.3	32.3
			35	95	25.4	26.5	27.6	28.4	29.1	30.1	30.4	31.1	31.1
			40	104	24.1	25.1	26.1	26.9	27.5	28.5	28.8	29.5	29.5
			45	113	22.5	23.4	24.4	25.2	25.7	26.6	26.9	27.6	27.6
			50	122	19.8	20.6	21.4	22.1	22.6	23.4	23.6	24.2	24.2

PSE 260 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 260	30	86	20	68	132.2	137.5	143.2	147.8	151.1	156.2	158.0	161.7	161.7
			25	77	128.2	133.3	138.9	143.4	146.5	151.5	153.3	156.9	156.9
			30	86	123.3	128.2	133.5	137.9	140.9	145.7	147.4	150.8	150.8
			35	95	118.7	123.5	128.6	132.7	135.7	140.3	141.9	145.2	145.2
			40	104	112.5	117.0	121.8	125.8	128.5	132.9	134.4	137.6	137.6
			45	113	105.1	109.3	113.8	117.5	120.1	124.2	125.6	128.6	128.6
			50	122	92.2	95.9	99.9	103.1	105.4	109.0	110.3	112.9	112.9
	35	95	20	68	107.1	111.3	116.0	119.7	122.4	126.5	128.0	131.0	131.0
			25	77	103.8	108.0	112.5	116.1	118.7	122.7	124.1	127.1	127.1
			30	86	99.9	103.8	108.2	111.7	114.1	118.0	119.4	122.2	122.2
			35	95	96.2	100.0	104.2	107.5	109.9	113.6	114.9	117.6	117.6
			40	104	91.1	94.7	98.7	101.9	104.1	107.7	108.9	111.5	111.5
			45	113	85.1	88.5	92.2	95.2	97.3	100.6	101.8	104.1	104.1
			50	122	74.7	77.7	80.9	83.5	85.4	88.3	89.3	91.4	91.4
	40	104	20	68	87.0	90.5	94.3	97.3	99.5	102.9	104.0	106.5	106.5
			25	77	84.4	87.8	91.5	94.4	96.5	99.8	100.9	103.3	103.3
			30	86	81.2	84.4	87.9	90.8	92.8	95.9	97.0	99.3	99.3
			35	95	78.2	81.3	84.7	87.4	89.3	92.4	93.4	95.6	95.6
			40	104	74.1	77.0	80.2	82.8	84.6	87.5	88.5	90.6	90.6
			45	113	69.2	72.0	75.0	77.4	79.1	81.8	82.7	84.7	84.7
			50	122	60.7	63.2	65.8	67.9	69.4	71.8	72.6	74.3	74.3
	45	113	20	68	71.9	74.7	77.8	80.3	82.1	84.9	85.9	87.9	87.9
			25	77	69.7	72.5	75.5	77.9	79.7	82.4	83.3	85.3	85.3
			30	86	67.0	69.7	72.6	74.9	76.6	79.2	80.1	82.0	82.0
			35	95	64.5	67.1	69.9	72.2	73.8	76.3	77.1	79.0	79.0
			40	104	61.1	63.6	66.2	68.4	69.9	72.3	73.1	74.8	74.8
			45	113	57.1	59.4	61.9	63.9	65.3	67.5	68.3	69.9	69.9
			50	122	50.1	52.1	54.3	56.1	57.3	59.3	59.9	61.3	61.3
	50	122	20	68	58.8	61.2	63.7	65.8	67.2	69.5	70.3	72.0	72.0
			25	77	57.1	59.3	61.8	63.8	65.2	67.4	68.2	69.8	69.8
			30	86	54.9	57.1	59.4	61.4	62.7	64.8	65.6	67.1	67.1
			35	95	52.8	54.9	57.2	59.1	60.4	62.4	63.2	64.6	64.6
			40	104	50.1	52.1	54.2	56.0	57.2	59.2	59.8	61.2	61.2
			45	113	46.8	48.6	50.7	52.3	53.5	55.3	55.9	57.2	57.2
			50	122	41.0	42.7	44.5	45.9	46.9	48.5	49.1	50.2	50.2

PSE 260 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 260	55	131	20	68	43.9	45.6	47.5	49.1	50.1	51.9	52.4	53.7	53.7
			25	77	42.6	44.3	46.1	47.6	48.6	50.3	50.9	52.1	52.1
			30	86	40.9	42.6	44.3	45.8	46.8	48.4	48.9	50.1	50.1
			35	95	39.4	41.0	42.7	44.1	45.0	46.6	47.1	48.2	48.2
			40	104	37.3	38.8	40.4	41.7	42.7	44.1	44.6	45.7	45.7
			45	113	34.9	36.3	37.8	39.0	39.9	41.2	41.7	42.7	42.7
			50	122	30.6	31.8	33.2	34.2	35.0	36.2	36.6	37.5	37.5
	60	140	20	68	40.7	42.3	44.1	45.5	46.5	48.1	48.7	49.8	49.8
			25	77	39.5	41.1	42.8	44.2	45.1	46.7	47.2	48.3	48.3
			30	86	38.0	39.5	41.1	42.5	43.4	44.9	45.4	46.5	46.5
			35	95	36.6	38.0	39.6	40.9	41.8	43.2	43.7	44.7	44.7
			40	104	34.6	36.0	37.5	38.7	39.6	40.9	41.4	42.4	42.4
			45	113	32.4	33.7	35.1	36.2	37.0	38.2	38.7	39.6	39.6
			50	122	28.4	29.5	30.8	31.8	32.5	33.6	34.0	34.8	34.8
	65	149	20	68	36.4	37.9	39.4	40.7	41.6	43.0	43.5	44.6	44.6
			25	77	35.3	36.7	38.3	39.5	40.4	41.7	42.2	43.2	43.2
			30	86	34.0	35.3	36.8	38.0	38.8	40.1	40.6	41.6	41.6
			35	95	32.7	34.0	35.4	36.6	37.4	38.7	39.1	40.0	40.0
			40	104	31.0	32.2	33.6	34.6	35.4	36.6	37.0	37.9	37.9
			45	113	29.0	30.1	31.4	32.4	33.1	34.2	34.6	35.4	35.4
			50	122	25.4	26.4	27.5	28.4	29.0	30.0	30.4	31.1	31.1

PSE 300 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 300	30	86	20	68	190.9	198.5	206.8	213.5	218.2	225.6	228.2	233.6	233.6
			25	77	185.2	192.6	200.6	207.1	211.6	218.9	221.4	226.6	226.6
			30	86	178.1	185.2	192.9	199.1	203.5	210.4	212.9	217.9	217.9
			35	95	171.5	178.3	185.8	191.7	196.0	202.6	205.0	209.8	209.8
			40	104	162.4	168.9	176.0	181.7	185.6	192.0	194.2	198.8	198.8
			45	113	151.8	157.9	164.4	169.7	173.5	179.4	181.5	185.7	185.7
			50	122	133.2	138.6	144.3	149.0	152.3	157.4	159.3	163.0	163.0
	35	95	20	68	154.6	160.8	167.5	172.9	176.7	182.8	184.9	189.2	189.2
			25	77	150.0	156.0	162.5	167.7	171.4	177.3	179.3	183.5	183.5
			30	86	144.2	150.0	156.3	161.3	164.8	170.5	172.4	176.5	176.5
			35	95	138.9	144.4	150.5	155.3	158.7	164.1	166.0	169.9	169.9
			40	104	131.6	136.8	142.5	147.1	150.4	155.5	157.3	161.0	161.0
			45	113	123.0	127.9	133.2	137.5	140.5	145.3	147.0	150.4	150.4
			50	122	107.9	112.2	116.9	120.7	123.3	127.5	129.0	132.0	132.0
	40	104	20	68	125.7	130.8	136.2	140.6	143.7	148.6	150.3	153.8	153.8
			25	77	122.0	126.8	132.1	136.4	139.4	144.1	145.8	149.2	149.2
			30	86	117.3	122.0	127.0	131.1	134.0	138.6	140.2	143.5	143.5
			35	95	112.9	117.4	122.3	126.3	129.0	133.4	135.0	138.2	138.2
			40	104	107.0	111.3	115.9	119.6	122.3	126.4	127.9	130.9	130.9
			45	113	100.0	104.0	108.3	111.8	114.2	118.1	119.5	122.3	122.3
			50	122	87.7	91.2	95.0	98.1	100.3	103.7	104.9	107.3	107.3
	45	113	20	68	103.8	107.9	112.4	116.1	118.6	122.7	124.1	127.0	127.0
			25	77	100.7	104.7	109.1	112.6	115.1	119.0	120.3	123.2	123.2
			30	86	96.8	100.7	104.9	108.2	110.6	114.4	115.7	118.4	118.4
			35	95	93.2	96.9	101.0	104.2	106.5	110.2	111.4	114.1	114.1
			40	104	88.3	91.8	95.7	98.8	100.9	104.4	105.6	108.0	108.0
			45	113	82.5	85.8	89.4	92.3	94.3	97.5	98.6	101.0	101.0
			50	122	72.4	75.3	78.5	81.0	82.8	85.6	86.6	88.6	88.6
	50	122	20	68	85.0	88.4	92.0	95.0	97.1	100.4	101.6	104.0	104.0
			25	77	82.4	85.7	89.3	92.2	94.2	97.4	98.5	100.8	100.8
			30	86	79.2	82.4	85.9	88.6	90.6	93.7	94.7	97.0	97.0
			35	95	76.3	79.4	82.7	85.3	87.2	90.2	91.2	93.4	93.4
			40	104	72.3	75.2	78.3	80.8	82.6	85.4	86.4	88.5	88.5
			45	113	67.6	70.3	73.2	75.5	77.2	79.8	80.8	82.7	82.7
			50	122	59.3	61.7	64.2	66.3	67.8	70.1	70.9	72.5	72.5

PSE 300 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 300	55	131	20	68	63.4	65.9	68.7	70.9	72.4	74.9	75.8	77.5	77.5
			25	77	61.5	63.9	66.6	68.7	70.3	72.7	73.5	75.2	75.2
			30	86	59.1	61.5	64.0	66.1	67.6	69.9	70.7	72.3	72.3
			35	95	56.9	59.2	61.7	63.7	65.1	67.3	68.0	69.6	69.6
			40	104	53.9	56.1	58.4	60.3	61.6	63.7	64.5	66.0	66.0
			45	113	50.4	52.4	54.6	56.3	57.6	59.6	60.2	61.7	61.7
			50	122	44.2	46.0	47.9	49.5	50.5	52.3	52.9	54.1	54.1
	60	140	20	68	58.8	61.2	63.7	65.8	67.2	69.5	70.3	71.9	71.9
			25	77	57.0	59.3	61.8	63.8	65.2	67.4	68.2	69.8	69.8
			30	86	54.8	57.0	59.4	61.3	62.7	64.8	65.6	67.1	67.1
			35	95	52.8	54.9	57.2	59.1	60.4	62.4	63.1	64.6	64.6
			40	104	50.0	52.0	54.2	55.9	57.2	59.1	59.8	61.2	61.2
			45	113	46.7	48.6	50.6	52.3	53.4	55.2	55.9	57.2	57.2
			50	122	41.0	42.7	44.5	45.9	46.9	48.5	49.0	50.2	50.2
	65	149	20	68	52.6	54.7	57.0	58.8	60.1	62.2	62.9	64.4	64.4
			25	77	51.0	53.1	55.3	57.1	58.3	60.3	61.0	62.4	62.4
			30	86	49.1	51.0	53.1	54.9	56.1	58.0	58.6	60.0	60.0
			35	95	47.2	49.1	51.2	52.8	54.0	55.8	56.5	57.8	57.8
			40	104	44.8	46.5	48.5	50.0	51.1	52.9	53.5	54.8	54.8
			45	113	41.8	43.5	45.3	46.8	47.8	49.4	50.0	51.2	51.2
			50	122	36.7	38.2	39.8	41.0	41.9	43.4	43.9	44.9	44.9

PSE 350 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 350	30	86	20	68	235.0	244.4	254.6	262.8	268.5	277.7	280.9	287.5	287.5
			25	77	227.9	237.0	246.9	254.9	260.5	269.4	272.5	278.9	278.9
			30	86	219.2	227.9	237.4	245.1	250.5	259.0	262.0	268.1	268.1
			35	95	211.0	219.5	228.6	236.0	241.2	249.4	252.3	258.2	258.2
			40	104	199.9	207.9	216.6	223.6	228.5	236.3	239.0	244.6	244.6
			45	113	186.8	194.3	202.4	208.9	213.5	220.8	223.3	228.6	228.6
			50	122	164.0	170.5	177.6	183.4	187.4	193.8	196.0	200.6	200.6
	35	95	20	68	190.3	197.9	206.2	212.8	217.5	224.9	227.5	232.9	232.9
			25	77	184.6	192.0	200.0	206.5	211.0	218.2	220.7	225.9	225.9
			30	86	177.5	184.6	192.3	198.5	202.9	209.8	212.2	217.2	217.2
			35	95	170.9	177.8	185.2	191.2	195.4	202.0	204.3	209.2	209.2
			40	104	161.9	168.4	175.4	181.1	185.1	191.4	193.6	198.1	198.1
			45	113	151.3	157.4	163.9	169.2	172.9	178.8	180.9	185.1	185.1
			50	122	132.8	138.1	143.9	148.5	151.8	157.0	158.8	162.5	162.5
	40	104	20	68	154.7	160.9	167.6	173.0	176.8	182.9	185.0	189.3	189.3
			25	77	150.1	156.1	162.6	167.8	171.5	177.4	179.4	183.6	183.6
			30	86	144.3	150.1	156.3	161.4	164.9	170.6	172.5	176.6	176.6
			35	95	139.0	144.5	150.6	155.4	158.8	164.2	166.1	170.0	170.0
			40	104	131.7	136.9	142.6	147.2	150.5	155.6	157.4	161.1	161.1
			45	113	123.0	127.9	133.3	137.6	140.6	145.4	147.1	150.5	150.5
			50	122	108.0	112.3	117.0	120.8	123.4	127.6	129.1	132.1	132.1
	45	113	20	68	127.7	132.8	138.4	142.8	146.0	151.0	152.7	156.3	156.3
			25	77	123.9	128.9	134.2	138.6	141.6	146.4	148.1	151.6	151.6
			30	86	119.1	123.9	129.1	133.2	136.2	140.8	142.4	145.8	145.8
			35	95	114.7	119.3	124.3	128.3	131.1	135.6	137.1	140.4	140.4
			40	104	108.7	113.0	117.7	121.5	124.2	128.4	129.9	133.0	133.0
			45	113	101.6	105.6	110.0	113.6	116.1	120.0	121.4	124.3	124.3
			50	122	89.1	92.7	96.6	99.7	101.9	105.3	106.6	109.1	109.1
	50	122	20	68	104.6	108.8	113.3	116.9	119.5	123.6	125.0	127.9	127.9
			25	77	101.4	105.5	109.9	113.4	115.9	119.9	121.3	124.1	124.1
			30	86	97.5	101.4	105.7	109.1	111.5	115.3	116.6	119.3	119.3
			35	95	93.9	97.7	101.8	105.0	107.3	111.0	112.3	114.9	114.9
			40	104	89.0	92.5	96.4	99.5	101.7	105.2	106.4	108.9	108.9
			45	113	83.1	86.5	90.1	93.0	95.0	98.3	99.4	101.7	101.7
			50	122	73.0	75.9	79.1	81.6	83.4	86.2	87.2	89.3	89.3

PSE 350 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 350	55	131	20	68	78.0	81.1	84.5	87.2	89.1	92.2	93.2	95.4	95.4
			25	77	75.7	78.7	82.0	84.6	86.5	89.4	90.4	92.6	92.6
			30	86	72.8	75.7	78.8	81.4	83.1	86.0	87.0	89.0	89.0
			35	95	70.1	72.9	75.9	78.3	80.1	82.8	83.7	85.7	85.7
			40	104	66.4	69.0	71.9	74.2	75.9	78.4	79.3	81.2	81.2
			45	113	62.0	64.5	67.2	69.4	70.9	73.3	74.1	75.9	75.9
			50	122	54.4	56.6	59.0	60.9	62.2	64.3	65.1	66.6	66.6
	60	140	20	68	72.4	75.3	78.4	80.9	82.7	85.5	86.5	88.5	88.5
			25	77	70.2	73.0	76.0	78.5	80.2	83.0	83.9	85.9	85.9
			30	86	67.5	70.2	73.1	75.5	77.1	79.8	80.7	82.6	82.6
			35	95	65.0	67.6	70.4	72.7	74.3	76.8	77.7	79.5	79.5
			40	104	61.6	64.0	66.7	68.9	70.4	72.8	73.6	75.3	75.3
			45	113	57.5	59.8	62.3	64.3	65.8	68.0	68.8	70.4	70.4
			50	122	50.5	52.5	54.7	56.5	57.7	59.7	60.4	61.8	61.8
	65	149	20	68	64.7	67.3	70.1	72.4	74.0	76.5	77.4	79.2	79.2
			25	77	62.8	65.3	68.0	70.2	71.8	74.2	75.1	76.8	76.8
			30	86	60.4	62.8	65.4	67.5	69.0	71.4	72.2	73.9	73.9
			35	95	58.1	60.5	63.0	65.0	66.4	68.7	69.5	71.1	71.1
			40	104	55.1	57.3	59.7	61.6	63.0	65.1	65.8	67.4	67.4
			45	113	51.5	53.5	55.8	57.6	58.8	60.8	61.5	63.0	63.0
			50	122	45.2	47.0	48.9	50.5	51.6	53.4	54.0	55.3	55.3

PSE 460 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 460	30	86	20	68	293.7	305.5	318.2	328.5	335.7	347.1	351.1	359.4	359.4
			25	77	284.9	296.3	308.6	318.6	325.6	336.7	340.6	348.6	348.6
			30	86	273.9	284.9	296.8	306.3	313.1	323.8	327.5	335.2	335.2
			35	95	263.8	274.3	285.8	295.0	301.5	311.8	315.3	322.8	322.8
			40	104	249.9	259.9	270.7	279.5	285.6	295.4	298.7	305.8	305.8
			45	113	233.5	242.9	253.0	261.1	266.9	276.0	279.2	285.7	285.7
			50	122	205.0	213.2	222.0	229.2	234.2	242.2	245.0	250.8	250.8
	35	95	20	68	237.9	247.4	257.7	266.0	271.9	281.2	284.4	291.1	291.1
			25	77	230.8	240.0	250.0	258.1	263.7	272.7	275.9	282.4	282.4
			30	86	221.9	230.8	240.4	248.1	253.6	262.2	265.3	271.5	271.5
			35	95	213.7	222.2	231.5	238.9	244.2	252.5	255.4	261.4	261.4
			40	104	202.4	210.5	219.3	226.4	231.3	239.2	242.0	247.7	247.7
			45	113	189.2	196.7	204.9	211.5	216.2	223.5	226.1	231.4	231.4
			50	122	166.0	172.7	179.9	185.7	189.7	196.2	198.5	203.1	203.1
	40	104	20	68	193.4	201.2	209.5	216.3	221.1	228.6	231.2	236.7	236.7
			25	77	187.6	195.1	203.3	209.8	214.4	221.7	224.3	229.6	229.6
			30	86	180.4	187.6	195.4	201.7	206.2	213.2	215.7	220.7	220.7
			35	95	173.7	180.7	188.2	194.3	198.5	205.3	207.7	212.6	212.6
			40	104	164.6	171.2	178.3	184.0	188.1	194.5	196.7	201.4	201.4
			45	113	153.8	159.9	166.6	172.0	175.8	181.7	183.8	188.2	188.2
			50	122	135.0	140.4	146.2	150.9	154.3	159.5	161.4	165.1	165.1
	45	113	20	68	159.7	166.1	173.0	178.6	182.5	188.7	190.9	195.4	195.4
			25	77	154.9	161.1	167.8	173.2	177.0	183.0	185.1	189.5	189.5
			30	86	148.9	154.9	161.3	166.5	170.2	176.0	178.0	182.2	182.2
			35	95	143.4	149.1	155.4	160.4	163.9	169.5	171.4	175.5	175.5
			40	104	135.9	141.3	147.2	151.9	155.3	160.6	162.4	166.2	166.2
			45	113	126.9	132.0	137.5	142.0	145.1	150.0	151.8	155.3	155.3
			50	122	111.4	115.9	120.7	124.6	127.3	131.7	133.2	136.3	136.3
	50	122	20	68	130.7	135.9	141.6	146.2	149.4	154.5	156.3	159.9	159.9
			25	77	126.8	131.9	137.4	141.8	144.9	149.9	151.6	155.1	155.1
			30	86	121.9	126.8	132.1	136.3	139.3	144.1	145.7	149.2	149.2
			35	95	117.4	122.1	127.2	131.3	134.2	138.8	140.3	143.6	143.6
			40	104	111.2	115.7	120.5	124.4	127.1	131.4	133.0	136.1	136.1
			45	113	103.9	108.1	112.6	116.2	118.8	122.8	124.2	127.2	127.2
			50	122	91.2	94.9	98.8	102.0	104.3	107.8	109.0	111.6	111.6

PSE 460 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 460	55	131	20	68	97.5	101.4	105.6	109.0	111.4	115.2	116.6	119.3	119.3
			25	77	94.6	98.4	102.5	105.8	108.1	111.8	113.1	115.7	115.7
			30	86	90.9	94.6	98.5	101.7	103.9	107.5	108.7	111.3	111.3
			35	95	87.6	91.1	94.9	97.9	100.1	103.5	104.7	107.1	107.1
			40	104	83.0	86.3	89.9	92.8	94.8	98.0	99.2	101.5	101.5
			45	113	77.5	80.6	84.0	86.7	88.6	91.6	92.7	94.9	94.9
			50	122	68.0	70.8	73.7	76.1	77.8	80.4	81.3	83.3	83.3
	60	140	20	68	90.5	94.1	98.0	101.2	103.4	106.9	108.1	110.7	110.7
			25	77	87.7	91.3	95.1	98.1	100.3	103.7	104.9	107.4	107.4
			30	86	84.4	87.7	91.4	94.3	96.4	99.7	100.9	103.2	103.2
			35	95	81.2	84.5	88.0	90.9	92.9	96.0	97.1	99.4	99.4
			40	104	77.0	80.0	83.4	86.1	88.0	91.0	92.0	94.2	94.2
			45	113	71.9	74.8	77.9	80.4	82.2	85.0	86.0	88.0	88.0
			50	122	63.1	65.7	68.4	70.6	72.1	74.6	75.5	77.2	77.2
	65	149	20	68	80.9	84.2	87.7	90.5	92.5	95.6	96.7	99.0	99.0
			25	77	78.5	81.6	85.0	87.8	89.7	92.8	93.8	96.0	96.0
			30	86	75.5	78.5	81.8	84.4	86.3	89.2	90.2	92.3	92.3
			35	95	72.7	75.6	78.7	81.3	83.1	85.9	86.9	88.9	88.9
			40	104	68.9	71.6	74.6	77.0	78.7	81.4	82.3	84.2	84.2
			45	113	64.3	66.9	69.7	71.9	73.5	76.0	76.9	78.7	78.7
			50	122	56.5	58.7	61.2	63.1	64.5	66.7	67.5	69.1	69.1

PSE 520 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 520	30	86	20	68	381.8	397.1	413.6	427.0	436.4	451.2	456.4	467.2	467.2
			25	77	370.4	385.2	401.2	414.2	423.3	437.7	442.7	453.2	453.2
			30	86	356.1	370.4	385.8	398.2	407.0	420.9	425.7	435.7	435.7
			35	95	342.9	356.7	371.5	383.5	391.9	405.3	409.9	419.6	419.6
			40	104	324.9	337.9	352.0	363.3	371.3	384.0	388.4	397.5	397.5
			45	113	303.6	315.7	328.9	339.5	347.0	358.8	362.9	371.4	371.4
			50	122	266.5	277.1	288.7	298.0	304.5	314.9	318.5	326.0	326.0
	35	95	20	68	309.3	321.6	335.1	345.9	353.5	365.5	369.7	378.4	378.4
			25	77	300.0	312.0	325.0	335.5	342.9	354.5	358.6	367.1	367.1
			30	86	288.5	300.0	312.5	322.6	329.7	340.9	344.8	352.9	352.9
			35	95	277.8	288.9	300.9	310.6	317.5	328.3	332.1	339.9	339.9
			40	104	263.2	273.7	285.1	294.3	300.8	311.0	314.6	322.0	322.0
			45	113	245.9	255.7	266.4	275.0	281.0	290.6	294.0	300.9	300.9
			50	122	215.8	224.5	233.8	241.4	246.7	255.1	258.0	264.1	264.1
	40	104	20	68	251.4	261.5	272.4	281.2	287.4	297.2	300.6	307.7	307.7
			25	77	243.9	253.7	264.2	272.8	278.7	288.2	291.6	298.4	298.4
			30	86	234.5	243.9	254.1	262.3	268.0	277.2	280.3	286.9	286.9
			35	95	225.8	234.9	244.7	252.5	258.1	266.9	270.0	276.3	276.3
			40	104	213.9	222.5	231.8	239.3	244.5	252.8	255.8	261.8	261.8
			45	113	199.9	207.9	216.6	223.6	228.5	236.3	239.0	244.6	244.6
			50	122	175.5	182.5	190.1	196.2	200.5	207.4	209.8	214.7	214.7
	45	113	20	68	207.6	215.9	224.9	232.1	237.2	245.3	248.1	254.0	254.0
			25	77	201.3	209.4	218.1	225.2	230.1	237.9	240.7	246.3	246.3
			30	86	193.6	201.3	209.7	216.5	221.3	228.8	231.4	236.9	236.9
			35	95	186.4	193.9	202.0	208.5	213.1	220.3	222.9	228.1	228.1
			40	104	176.6	183.7	191.3	197.5	201.8	208.7	211.1	216.1	216.1
			45	113	165.0	171.6	178.8	184.6	188.6	195.0	197.3	201.9	201.9
			50	122	144.9	150.6	156.9	162.0	165.5	171.2	173.2	177.2	177.2
	50	122	20	68	169.9	176.7	184.1	190.0	194.2	200.8	203.1	207.9	207.9
			25	77	164.8	171.4	178.6	184.3	188.4	194.8	197.0	201.7	201.7
			30	86	158.5	164.8	171.7	177.2	181.1	187.3	189.5	193.9	193.9
			35	95	152.6	158.7	165.3	170.7	174.4	180.4	182.4	186.7	186.7
			40	104	144.6	150.4	156.6	161.7	165.2	170.9	172.8	176.9	176.9
			45	113	135.1	140.5	146.4	151.1	154.4	159.7	161.5	165.3	165.3
			50	122	118.6	123.3	128.5	132.6	135.5	140.1	141.8	145.1	145.1

PSE 520 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 520	55	131	20	68	126.8	131.8	137.3	141.7	144.9	149.8	151.5	155.1	155.1
			25	77	123.0	127.9	133.2	137.5	140.5	145.3	147.0	150.4	150.4
			30	86	118.2	123.0	128.1	132.2	135.1	139.7	141.3	144.6	144.6
			35	95	113.8	118.4	123.3	127.3	130.1	134.5	136.1	139.3	139.3
			40	104	107.9	112.2	116.8	120.6	123.3	127.5	128.9	132.0	132.0
			45	113	100.8	104.8	109.2	112.7	115.2	119.1	120.5	123.3	123.3
			50	122	88.5	92.0	95.8	98.9	101.1	104.5	105.7	108.2	108.2
	60	140	20	68	117.6	122.3	127.4	131.5	134.4	139.0	140.6	143.9	143.9
			25	77	114.1	118.6	123.6	127.6	130.4	134.8	136.4	139.6	139.6
			30	86	109.7	114.1	118.8	122.7	125.3	129.6	131.1	134.2	134.2
			35	95	105.6	109.8	114.4	118.1	120.7	124.8	126.3	129.2	129.2
			40	104	100.1	104.1	108.4	111.9	114.4	118.3	119.6	122.4	122.4
			45	113	93.5	97.2	101.3	104.6	106.9	110.5	111.8	114.4	114.4
			50	122	82.1	85.3	88.9	91.8	93.8	97.0	98.1	100.4	100.4
	65	149	20	68	105.2	109.4	114.0	117.6	120.2	124.3	125.8	128.7	128.7
			25	77	102.0	106.1	110.5	114.1	116.6	120.6	122.0	124.8	124.8
			30	86	98.1	102.0	106.3	109.7	112.1	116.0	117.3	120.0	120.0
			35	95	94.5	98.3	102.4	105.7	108.0	111.7	112.9	115.6	115.6
			40	104	89.5	93.1	97.0	100.1	102.3	105.8	107.0	109.5	109.5
			45	113	83.6	87.0	90.6	93.5	95.6	98.8	100.0	102.3	102.3
			50	122	73.4	76.3	79.5	82.1	83.9	86.8	87.8	89.8	89.8

PSE 630 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 630	30	86	20	68	455.3	473.5	493.2	509.1	520.3	538.0	544.2	557.0	557.0
			25	77	441.6	459.3	478.4	493.8	504.7	521.9	527.9	540.3	540.3
			30	86	424.6	441.6	460.0	474.8	485.3	501.8	507.6	519.5	519.5
			35	95	408.9	425.2	443.0	457.2	467.3	483.2	488.8	500.3	500.3
			40	104	387.4	402.9	419.6	433.2	442.7	457.8	463.1	474.0	474.0
			45	113	362.0	376.4	392.1	404.8	413.7	427.8	432.7	442.9	442.9
			50	122	317.7	330.4	344.2	355.3	363.1	375.5	379.8	388.7	388.7
	35	95	20	68	368.8	383.5	399.5	412.4	421.4	435.8	440.8	451.2	451.2
			25	77	357.7	372.0	387.5	400.0	408.8	422.7	427.6	437.6	437.6
			30	86	343.9	357.7	372.6	384.6	393.1	406.5	411.1	420.8	420.8
			35	95	331.2	344.4	358.8	370.4	378.5	391.4	395.9	405.2	405.2
			40	104	313.8	326.3	339.9	350.9	358.6	370.8	375.1	383.9	383.9
			45	113	293.2	304.9	317.6	327.9	335.1	346.5	350.5	358.7	358.7
			50	122	257.3	267.6	278.8	287.8	294.1	304.1	307.6	314.9	314.9
	40	104	20	68	299.8	311.8	324.8	335.3	342.6	354.3	358.4	366.8	366.8
			25	77	290.8	302.4	315.0	325.2	332.4	343.7	347.6	355.8	355.8
			30	86	279.6	290.8	302.9	312.7	319.6	330.5	334.3	342.1	342.1
			35	95	269.3	280.0	291.7	301.1	307.7	318.2	321.9	329.5	329.5
			40	104	255.1	265.3	276.4	285.3	291.5	301.5	304.9	312.1	312.1
			45	113	238.4	247.9	258.2	266.6	272.4	281.7	284.9	291.6	291.6
			50	122	209.2	217.6	226.6	234.0	239.1	247.3	250.1	256.0	256.0
	45	113	20	68	247.5	257.4	268.1	276.8	282.8	292.5	295.8	302.8	302.8
			25	77	240.1	249.7	260.1	268.5	274.4	283.7	287.0	293.7	293.7
			30	86	230.8	240.1	250.1	258.1	263.8	272.8	275.9	282.4	282.4
			35	95	222.3	231.2	240.8	248.6	254.0	262.7	265.7	272.0	272.0
			40	104	210.6	219.0	228.1	235.5	240.7	248.9	251.7	257.7	257.7
			45	113	196.8	204.6	213.2	220.0	224.9	232.5	235.2	240.8	240.8
			50	122	172.7	179.6	187.1	193.1	197.4	204.1	206.5	211.3	211.3
	50	122	20	68	202.6	210.7	219.5	226.6	231.6	239.5	242.2	247.9	247.9
			25	77	196.5	204.4	212.9	219.8	224.6	232.3	234.9	240.5	240.5
			30	86	189.0	196.5	204.7	211.3	216.0	223.3	225.9	231.2	231.2
			35	95	182.0	189.3	197.1	203.5	208.0	215.1	217.5	222.7	222.7
			40	104	172.4	179.3	186.8	192.8	197.0	203.7	206.1	210.9	210.9
			45	113	161.1	167.5	174.5	180.1	184.1	190.4	192.6	197.1	197.1
			50	122	141.4	147.0	153.2	158.1	161.6	167.1	169.0	173.0	173.0

PSE 630 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 630	55	131	20	68	151.1	157.2	163.7	169.0	172.7	178.6	180.7	184.9	184.9
			25	77	146.6	152.5	158.8	163.9	167.5	173.2	175.2	179.4	179.4
			30	86	141.0	146.6	152.7	157.6	161.1	166.6	168.5	172.5	172.5
			35	95	135.7	141.2	147.0	151.8	155.1	160.4	162.3	166.1	166.1
			40	104	128.6	133.7	139.3	143.8	147.0	152.0	153.7	157.3	157.3
			45	113	120.2	125.0	130.2	134.4	137.3	142.0	143.6	147.0	147.0
			50	122	105.5	109.7	114.3	117.9	120.5	124.6	126.1	129.0	129.0
	60	140	20	68	140.2	145.8	151.9	156.8	160.2	165.7	167.6	171.6	171.6
			25	77	136.0	141.4	147.3	152.1	155.4	160.7	162.6	166.4	166.4
			30	86	130.8	136.0	141.7	146.2	149.5	154.6	156.3	160.0	160.0
			35	95	125.9	131.0	136.4	140.8	143.9	148.8	150.5	154.1	154.1
			40	104	119.3	124.1	129.2	133.4	136.3	141.0	142.6	146.0	146.0
			45	113	111.5	115.9	120.8	124.7	127.4	131.7	133.3	136.4	136.4
			50	122	97.8	101.8	106.0	109.4	111.8	115.6	117.0	119.7	119.7
	65	149	20	68	125.4	130.4	135.9	140.3	143.3	148.2	149.9	153.5	153.5
			25	77	121.7	126.5	131.8	136.1	139.0	143.8	145.4	148.9	148.9
			30	86	117.0	121.7	126.7	130.8	133.7	138.3	139.8	143.1	143.1
			35	95	112.7	117.2	122.0	126.0	128.7	133.1	134.7	137.8	137.8
			40	104	106.7	111.0	115.6	119.3	122.0	126.1	127.6	130.6	130.6
			45	113	99.7	103.7	108.0	111.5	114.0	117.9	119.2	122.0	122.0
			50	122	87.5	91.0	94.8	97.9	100.0	103.4	104.6	107.1	107.1

PSE 750 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 750	30	86	20	68	587.4	610.9	636.4	656.9	671.3	694.2	702.2	718.7	718.7
			25	77	569.8	592.6	617.3	637.2	651.2	673.4	681.1	697.2	697.2
			30	86	547.9	569.8	593.5	612.7	626.2	647.5	654.9	670.4	670.4
			35	95	527.6	548.7	571.6	590.0	603.0	623.5	630.7	645.5	645.5
			40	104	499.8	519.8	541.5	558.9	571.2	590.7	597.5	611.6	611.6
			45	113	467.0	485.7	506.0	522.3	533.8	552.0	558.3	571.4	571.4
			50	122	409.9	426.3	444.1	458.4	468.5	484.5	490.0	501.6	501.6
	35	95	20	68	475.8	494.8	515.5	532.1	543.8	562.3	568.8	582.2	582.2
			25	77	461.5	480.0	500.0	516.1	527.5	545.5	551.7	564.7	564.7
			30	86	443.8	461.5	480.8	496.3	507.2	524.5	530.5	543.0	543.0
			35	95	427.4	444.4	463.0	477.9	488.4	505.1	510.9	522.9	522.9
			40	104	404.9	421.1	438.6	452.7	462.7	478.5	484.0	495.4	495.4
			45	113	378.3	393.4	409.8	423.1	432.4	447.1	452.2	462.9	462.9
			50	122	332.0	345.3	359.7	371.3	379.5	392.4	396.9	406.3	406.3
	40	104	20	68	386.8	402.3	419.1	432.6	442.1	457.2	462.4	473.3	473.3
			25	77	375.2	390.2	406.5	419.6	428.8	443.5	448.6	459.1	459.1
			30	86	360.8	375.2	390.9	403.5	412.3	426.4	431.3	441.5	441.5
			35	95	347.4	361.3	376.4	388.5	397.1	410.6	415.3	425.1	425.1
			40	104	329.2	342.3	356.6	368.1	376.2	389.0	393.5	402.7	402.7
			45	113	307.6	319.9	333.2	343.9	351.5	363.5	367.7	376.3	376.3
			50	122	270.0	280.8	292.4	301.9	308.5	319.0	322.7	330.3	330.3
	45	113	20	68	319.3	332.1	345.9	357.1	365.0	377.4	381.7	390.7	390.7
			25	77	309.8	322.1	335.6	346.4	354.0	366.1	370.3	379.0	379.0
			30	86	297.8	309.8	322.7	333.1	340.4	352.0	356.0	364.4	364.4
			35	95	286.8	298.3	310.7	320.7	327.8	339.0	342.9	350.9	350.9
			40	104	271.7	282.6	294.4	303.9	310.5	321.1	324.8	332.5	332.5
			45	113	253.9	264.1	275.1	283.9	290.2	300.1	303.5	310.7	310.7
			50	122	222.8	231.8	241.4	249.2	254.7	263.4	266.4	272.7	272.7
	50	122	20	68	261.4	271.9	283.2	292.4	298.8	309.0	312.5	319.9	319.9
			25	77	253.6	263.7	274.7	283.6	289.8	299.7	303.1	310.3	310.3
			30	86	243.8	253.6	264.2	272.7	278.7	288.2	291.5	298.3	298.3
			35	95	234.8	244.2	254.4	262.6	268.4	277.5	280.7	287.3	287.3
			40	104	222.4	231.3	241.0	248.8	254.2	262.9	265.9	272.2	272.2
			45	113	207.9	216.2	225.2	232.4	237.6	245.7	248.5	254.3	254.3
			50	122	182.4	189.7	197.6	204.0	208.5	215.6	218.1	223.2	223.2

PSE 750 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 750	55	131	20	68	195.0	202.8	211.3	218.1	222.9	230.5	233.1	238.6	238.6
			25	77	189.2	196.7	204.9	211.5	216.2	223.5	226.1	231.4	231.4
			30	86	181.9	189.2	197.0	203.4	207.9	214.9	217.4	222.5	222.5
			35	95	175.1	182.1	189.7	195.9	200.2	207.0	209.4	214.3	214.3
			40	104	165.9	172.6	179.8	185.6	189.6	196.1	198.3	203.0	203.0
			45	113	155.0	161.2	168.0	173.4	177.2	183.2	185.3	189.7	189.7
			50	122	136.1	141.5	147.4	152.2	155.5	160.8	162.7	166.5	166.5
	60	140	20	68	180.9	188.2	196.0	202.3	206.8	213.8	216.3	221.4	221.4
			25	77	175.5	182.5	190.1	196.2	200.6	207.4	209.8	214.7	214.7
			30	86	168.7	175.5	182.8	188.7	192.8	199.4	201.7	206.5	206.5
			35	95	162.5	169.0	176.0	181.7	185.7	192.0	194.2	198.8	198.8
			40	104	153.9	160.1	166.8	172.1	175.9	181.9	184.0	188.3	188.3
			45	113	143.8	149.6	155.8	160.9	164.4	170.0	172.0	176.0	176.0
			50	122	126.3	131.3	136.8	141.2	144.3	149.2	150.9	154.5	154.5
	65	149	20	68	161.8	168.3	175.3	181.0	185.0	191.3	193.5	198.0	198.0
			25	77	157.0	163.3	170.1	175.6	179.4	185.5	187.7	192.1	192.1
			30	86	150.9	157.0	163.5	168.8	172.5	178.4	180.4	184.7	184.7
			35	95	145.4	151.2	157.5	162.6	166.1	171.8	173.8	177.8	177.8
			40	104	137.7	143.2	149.2	154.0	157.4	162.7	164.6	168.5	168.5
			45	113	128.7	133.8	139.4	143.9	147.1	152.1	153.8	157.4	157.4
			50	122	112.9	117.5	122.4	126.3	129.1	133.5	135.0	138.2	138.2

PSE 900 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 900	30	86	20	68	734.3	763.7	795.5	821.1	839.2	867.8	877.8	898.4	898.4
			25	77	712.3	740.7	771.6	796.5	814.0	841.8	851.4	871.5	871.5
			30	86	684.9	712.3	741.9	765.9	782.7	809.4	818.7	837.9	837.9
			35	95	659.5	685.9	714.4	737.5	753.7	779.4	788.4	806.9	806.9
			40	104	624.8	649.8	676.8	698.7	714.0	738.4	746.9	764.4	764.4
			45	113	583.8	607.2	632.5	652.9	667.2	690.0	697.9	714.3	714.3
			50	122	512.4	532.9	555.1	573.0	585.6	605.6	612.5	626.9	626.9
	35	95	20	68	594.8	618.6	644.3	665.1	679.7	702.9	711.0	727.7	727.7
			25	77	576.9	600.0	625.0	645.2	659.3	681.8	689.7	705.9	705.9
			30	86	554.7	576.9	601.0	620.3	634.0	655.6	663.1	678.7	678.7
			35	95	534.2	555.6	578.7	597.4	610.5	631.3	638.6	653.6	653.6
			40	104	506.1	526.3	548.2	565.9	578.4	598.1	605.0	619.2	619.2
			45	113	472.9	491.8	512.3	528.8	540.4	558.9	565.3	578.6	578.6
			50	122	415.1	431.7	449.6	464.1	474.3	490.5	496.2	507.8	507.8
	40	104	20	68	483.5	502.9	523.8	540.7	552.6	571.5	578.0	591.6	591.6
			25	77	469.0	487.8	508.1	524.5	536.0	554.3	560.7	573.9	573.9
			30	86	451.0	469.0	488.6	504.3	515.4	533.0	539.1	551.8	551.8
			35	95	434.3	451.7	470.5	485.7	496.3	513.3	519.2	531.4	531.4
			40	104	411.4	427.9	445.7	460.1	470.2	486.2	491.8	503.4	503.4
			45	113	384.5	399.8	416.5	429.9	439.4	454.4	459.6	470.4	470.4
			50	122	337.4	350.9	365.6	377.4	385.6	398.8	403.4	412.9	412.9
	45	113	20	68	399.2	415.1	432.4	446.4	456.2	471.7	477.2	488.4	488.4
			25	77	387.2	402.7	419.5	433.0	442.5	457.6	462.9	473.7	473.7
			30	86	372.3	387.2	403.3	416.3	425.5	440.0	445.1	455.5	455.5
			35	95	358.5	372.9	388.4	400.9	409.7	423.7	428.6	438.7	438.7
			40	104	339.6	353.2	368.0	379.8	388.2	401.4	406.0	415.6	415.6
			45	113	317.4	330.1	343.8	354.9	362.7	375.1	379.4	388.3	388.3
			50	122	278.6	289.7	301.8	311.5	318.4	329.2	333.0	340.8	340.8
	50	122	20	68	326.8	339.9	354.0	365.4	373.5	386.2	390.7	399.8	399.8
			25	77	317.0	329.7	343.4	354.5	362.3	374.6	378.9	387.8	387.8
			30	86	304.8	317.0	330.2	340.9	348.3	360.2	364.4	372.9	372.9
			35	95	293.5	305.3	318.0	328.2	335.4	346.9	350.9	359.1	359.1
			40	104	278.1	289.2	301.2	311.0	317.8	328.6	332.4	340.2	340.2
			45	113	259.8	270.2	281.5	290.6	296.9	307.1	310.6	317.9	317.9
			50	122	228.1	237.2	247.1	255.0	260.6	269.5	272.6	279.0	279.0

PSE 900 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 900	55	131	20	68	243.8	253.5	264.1	272.6	278.6	288.1	291.4	298.2	298.2
			25	77	236.4	245.9	256.1	264.4	270.2	279.4	282.6	289.3	289.3
			30	86	227.3	236.4	246.3	254.2	259.8	268.7	271.8	278.2	278.2
			35	95	218.9	227.7	237.2	244.8	250.2	258.7	261.7	267.9	267.9
			40	104	207.4	215.7	224.7	231.9	237.0	245.1	247.9	253.8	253.8
			45	113	193.8	201.6	210.0	216.7	221.5	229.0	231.7	237.1	237.1
			50	122	170.1	176.9	184.3	190.2	194.4	201.0	203.3	208.1	208.1
	60	140	20	68	226.1	235.2	245.0	252.9	258.5	267.3	270.3	276.7	276.7
			25	77	219.4	228.1	237.6	245.3	250.7	259.2	262.2	268.4	268.4
			30	86	210.9	219.4	228.5	235.9	241.1	249.3	252.1	258.1	258.1
			35	95	203.1	211.2	220.0	227.1	232.1	240.0	242.8	248.5	248.5
			40	104	192.4	200.1	208.5	215.2	219.9	227.4	230.0	235.4	235.4
			45	113	179.8	187.0	194.8	201.1	205.5	212.5	214.9	220.0	220.0
			50	122	157.8	164.1	171.0	176.5	180.4	186.5	188.7	193.1	193.1
	65	149	20	68	202.3	210.4	219.2	226.2	231.2	239.1	241.8	247.5	247.5
			25	77	196.2	204.1	212.6	219.4	224.3	231.9	234.6	240.1	240.1
			30	86	188.7	196.2	204.4	211.0	215.6	223.0	225.6	230.9	230.9
			35	95	181.7	189.0	196.8	203.2	207.7	214.7	217.2	222.3	222.3
			40	104	172.1	179.0	186.5	192.5	196.7	203.4	205.8	210.6	210.6
			45	113	160.8	167.3	174.3	179.9	183.8	190.1	192.3	196.8	196.8
			50	122	141.2	146.8	152.9	157.9	161.3	166.8	168.8	172.7	172.7

PSE 1200 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1200	30	86	20	68	734.3	763.7	795.5	821.1	839.2	867.8	877.8	898.4	898.4
			25	77	712.3	740.7	771.6	796.5	814.0	841.8	851.4	871.5	871.5
			30	86	684.9	712.3	741.9	765.9	782.7	809.4	818.7	837.9	837.9
			35	95	659.5	685.9	714.4	737.5	753.7	779.4	788.4	806.9	806.9
			40	104	624.8	649.8	676.8	698.7	714.0	738.4	746.9	764.4	764.4
			45	113	583.8	607.2	632.5	652.9	667.2	690.0	697.9	714.3	714.3
			50	122	512.4	532.9	555.1	573.0	585.6	605.6	612.5	626.9	626.9
	35	95	20	68	594.8	618.6	644.3	665.1	679.7	702.9	711.0	727.7	727.7
			25	77	576.9	600.0	625.0	645.2	659.3	681.8	689.7	705.9	705.9
			30	86	554.7	576.9	601.0	620.3	634.0	655.6	663.1	678.7	678.7
			35	95	534.2	555.6	578.7	597.4	610.5	631.3	638.6	653.6	653.6
			40	104	506.1	526.3	548.2	565.9	578.4	598.1	605.0	619.2	619.2
			45	113	472.9	491.8	512.3	528.8	540.4	558.9	565.3	578.6	578.6
			50	122	415.1	431.7	449.6	464.1	474.3	490.5	496.2	507.8	507.8
	40	104	20	68	483.5	502.9	523.8	540.7	552.6	571.5	578.0	591.6	591.6
			25	77	469.0	487.8	508.1	524.5	536.0	554.3	560.7	573.9	573.9
			30	86	451.0	469.0	488.6	504.3	515.4	533.0	539.1	551.8	551.8
			35	95	434.3	451.7	470.5	485.7	496.3	513.3	519.2	531.4	531.4
			40	104	411.4	427.9	445.7	460.1	470.2	486.2	491.8	503.4	503.4
			45	113	384.5	399.8	416.5	429.9	439.4	454.4	459.6	470.4	470.4
			50	122	337.4	350.9	365.6	377.4	385.6	398.8	403.4	412.9	412.9
	45	113	20	68	399.2	415.1	432.4	446.4	456.2	471.7	477.2	488.4	488.4
			25	77	387.2	402.7	419.5	433.0	442.5	457.6	462.9	473.7	473.7
			30	86	372.3	387.2	403.3	416.3	425.5	440.0	445.1	455.5	455.5
			35	95	358.5	372.9	388.4	400.9	409.7	423.7	428.6	438.7	438.7
			40	104	339.6	353.2	368.0	379.8	388.2	401.4	406.0	415.6	415.6
			45	113	317.4	330.1	343.8	354.9	362.7	375.1	379.4	388.3	388.3
			50	122	278.6	289.7	301.8	311.5	318.4	329.2	333.0	340.8	340.8
	50	122	20	68	326.8	339.9	354.0	365.4	373.5	386.2	390.7	399.8	399.8
			25	77	317.0	329.7	343.4	354.5	362.3	374.6	378.9	387.8	387.8
			30	86	304.8	317.0	330.2	340.9	348.3	360.2	364.4	372.9	372.9
			35	95	293.5	305.3	318.0	328.2	335.4	346.9	350.9	359.1	359.1
			40	104	278.1	289.2	301.2	311.0	317.8	328.6	332.4	340.2	340.2
			45	113	259.8	270.2	281.5	290.6	296.9	307.1	310.6	317.9	317.9
			50	122	228.1	237.2	247.1	255.0	260.6	269.5	272.6	279.0	279.0

PSE 1200 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1200	55	131	20	68	243.8	253.5	264.1	272.6	278.6	288.1	291.4	298.2	298.2
			25	77	236.4	245.9	256.1	264.4	270.2	279.4	282.6	289.3	289.3
			30	86	227.3	236.4	246.3	254.2	259.8	268.7	271.8	278.2	278.2
			35	95	218.9	227.7	237.2	244.8	250.2	258.7	261.7	267.9	267.9
			40	104	207.4	215.7	224.7	231.9	237.0	245.1	247.9	253.8	253.8
			45	113	193.8	201.6	210.0	216.7	221.5	229.0	231.7	237.1	237.1
			50	122	170.1	176.9	184.3	190.2	194.4	201.0	203.3	208.1	208.1
	60	140	20	68	226.1	235.2	245.0	252.9	258.5	267.3	270.3	276.7	276.7
			25	77	219.4	228.1	237.6	245.3	250.7	259.2	262.2	268.4	268.4
			30	86	210.9	219.4	228.5	235.9	241.1	249.3	252.1	258.1	258.1
			35	95	203.1	211.2	220.0	227.1	232.1	240.0	242.8	248.5	248.5
			40	104	192.4	200.1	208.5	215.2	219.9	227.4	230.0	235.4	235.4
			45	113	179.8	187.0	194.8	201.1	205.5	212.5	214.9	220.0	220.0
			50	122	157.8	164.1	171.0	176.5	180.4	186.5	188.7	193.1	193.1
	65	149	20	68	202.3	210.4	219.2	226.2	231.2	239.1	241.8	247.5	247.5
			25	77	196.2	204.1	212.6	219.4	224.3	231.9	234.6	240.1	240.1
			30	86	188.7	196.2	204.4	211.0	215.6	223.0	225.6	230.9	230.9
			35	95	181.7	189.0	196.8	203.2	207.7	214.7	217.2	222.3	222.3
			40	104	172.1	179.0	186.5	192.5	196.7	203.4	205.8	210.6	210.6
			45	113	160.8	167.3	174.3	179.9	183.8	190.1	192.3	196.8	196.8
			50	122	141.2	146.8	152.9	157.9	161.3	166.8	168.8	172.7	172.7

PSE 1500 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1500	30	86	20	68	734.3	763.7	795.5	821.1	839.2	867.8	877.8	898.4	898.4
			25	77	712.3	740.7	771.6	796.5	814.0	841.8	851.4	871.5	871.5
			30	86	684.9	712.3	741.9	765.9	782.7	809.4	818.7	837.9	837.9
			35	95	659.5	685.9	714.4	737.5	753.7	779.4	788.4	806.9	806.9
			40	104	624.8	649.8	676.8	698.7	714.0	738.4	746.9	764.4	764.4
			45	113	583.8	607.2	632.5	652.9	667.2	690.0	697.9	714.3	714.3
			50	122	512.4	532.9	555.1	573.0	585.6	605.6	612.5	626.9	626.9
	35	95	20	68	594.8	618.6	644.3	665.1	679.7	702.9	711.0	727.7	727.7
			25	77	576.9	600.0	625.0	645.2	659.3	681.8	689.7	705.9	705.9
			30	86	554.7	576.9	601.0	620.3	634.0	655.6	663.1	678.7	678.7
			35	95	534.2	555.6	578.7	597.4	610.5	631.3	638.6	653.6	653.6
			40	104	506.1	526.3	548.2	565.9	578.4	598.1	605.0	619.2	619.2
			45	113	472.9	491.8	512.3	528.8	540.4	558.9	565.3	578.6	578.6
			50	122	415.1	431.7	449.6	464.1	474.3	490.5	496.2	507.8	507.8
	40	104	20	68	483.5	502.9	523.8	540.7	552.6	571.5	578.0	591.6	591.6
			25	77	469.0	487.8	508.1	524.5	536.0	554.3	560.7	573.9	573.9
			30	86	451.0	469.0	488.6	504.3	515.4	533.0	539.1	551.8	551.8
			35	95	434.3	451.7	470.5	485.7	496.3	513.3	519.2	531.4	531.4
			40	104	411.4	427.9	445.7	460.1	470.2	486.2	491.8	503.4	503.4
			45	113	384.5	399.8	416.5	429.9	439.4	454.4	459.6	470.4	470.4
			50	122	337.4	350.9	365.6	377.4	385.6	398.8	403.4	412.9	412.9
	45	113	20	68	399.2	415.1	432.4	446.4	456.2	471.7	477.2	488.4	488.4
			25	77	387.2	402.7	419.5	433.0	442.5	457.6	462.9	473.7	473.7
			30	86	372.3	387.2	403.3	416.3	425.5	440.0	445.1	455.5	455.5
			35	95	358.5	372.9	388.4	400.9	409.7	423.7	428.6	438.7	438.7
			40	104	339.6	353.2	368.0	379.8	388.2	401.4	406.0	415.6	415.6
			45	113	317.4	330.1	343.8	354.9	362.7	375.1	379.4	388.3	388.3
			50	122	278.6	289.7	301.8	311.5	318.4	329.2	333.0	340.8	340.8
	50	122	20	68	326.8	339.9	354.0	365.4	373.5	386.2	390.7	399.8	399.8
			25	77	317.0	329.7	343.4	354.5	362.3	374.6	378.9	387.8	387.8
			30	86	304.8	317.0	330.2	340.9	348.3	360.2	364.4	372.9	372.9
			35	95	293.5	305.3	318.0	328.2	335.4	346.9	350.9	359.1	359.1
			40	104	278.1	289.2	301.2	311.0	317.8	328.6	332.4	340.2	340.2
			45	113	259.8	270.2	281.5	290.6	296.9	307.1	310.6	317.9	317.9
			50	122	228.1	237.2	247.1	255.0	260.6	269.5	272.6	279.0	279.0

PSE 1500 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1500	55	131	20	68	243.8	253.5	264.1	272.6	278.6	288.1	291.4	298.2	298.2
			25	77	236.4	245.9	256.1	264.4	270.2	279.4	282.6	289.3	289.3
			30	86	227.3	236.4	246.3	254.2	259.8	268.7	271.8	278.2	278.2
			35	95	218.9	227.7	237.2	244.8	250.2	258.7	261.7	267.9	267.9
			40	104	207.4	215.7	224.7	231.9	237.0	245.1	247.9	253.8	253.8
			45	113	193.8	201.6	210.0	216.7	221.5	229.0	231.7	237.1	237.1
			50	122	170.1	176.9	184.3	190.2	194.4	201.0	203.3	208.1	208.1
	60	140	20	68	226.1	235.2	245.0	252.9	258.5	267.3	270.3	276.7	276.7
			25	77	219.4	228.1	237.6	245.3	250.7	259.2	262.2	268.4	268.4
			30	86	210.9	219.4	228.5	235.9	241.1	249.3	252.1	258.1	258.1
			35	95	203.1	211.2	220.0	227.1	232.1	240.0	242.8	248.5	248.5
			40	104	192.4	200.1	208.5	215.2	219.9	227.4	230.0	235.4	235.4
			45	113	179.8	187.0	194.8	201.1	205.5	212.5	214.9	220.0	220.0
			50	122	157.8	164.1	171.0	176.5	180.4	186.5	188.7	193.1	193.1
	65	149	20	68	202.3	210.4	219.2	226.2	231.2	239.1	241.8	247.5	247.5
			25	77	196.2	204.1	212.6	219.4	224.3	231.9	234.6	240.1	240.1
			30	86	188.7	196.2	204.4	211.0	215.6	223.0	225.6	230.9	230.9
			35	95	181.7	189.0	196.8	203.2	207.7	214.7	217.2	222.3	222.3
			40	104	172.1	179.0	186.5	192.5	196.7	203.4	205.8	210.6	210.6
			45	113	160.8	167.3	174.3	179.9	183.8	190.1	192.3	196.8	196.8
			50	122	141.2	146.8	152.9	157.9	161.3	166.8	168.8	172.7	172.7

PSE 1800 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1800	30	86	20	68	734.3	763.7	795.5	821.1	839.2	867.8	877.8	898.4	898.4
			25	77	712.3	740.7	771.6	796.5	814.0	841.8	851.4	871.5	871.5
			30	86	684.9	712.3	741.9	765.9	782.7	809.4	818.7	837.9	837.9
			35	95	659.5	685.9	714.4	737.5	753.7	779.4	788.4	806.9	806.9
			40	104	624.8	649.8	676.8	698.7	714.0	738.4	746.9	764.4	764.4
			45	113	583.8	607.2	632.5	652.9	667.2	690.0	697.9	714.3	714.3
			50	122	512.4	532.9	555.1	573.0	585.6	605.6	612.5	626.9	626.9
	35	95	20	68	594.8	618.6	644.3	665.1	679.7	702.9	711.0	727.7	727.7
			25	77	576.9	600.0	625.0	645.2	659.3	681.8	689.7	705.9	705.9
			30	86	554.7	576.9	601.0	620.3	634.0	655.6	663.1	678.7	678.7
			35	95	534.2	555.6	578.7	597.4	610.5	631.3	638.6	653.6	653.6
			40	104	506.1	526.3	548.2	565.9	578.4	598.1	605.0	619.2	619.2
			45	113	472.9	491.8	512.3	528.8	540.4	558.9	565.3	578.6	578.6
			50	122	415.1	431.7	449.6	464.1	474.3	490.5	496.2	507.8	507.8
	40	104	20	68	483.5	502.9	523.8	540.7	552.6	571.5	578.0	591.6	591.6
			25	77	469.0	487.8	508.1	524.5	536.0	554.3	560.7	573.9	573.9
			30	86	451.0	469.0	488.6	504.3	515.4	533.0	539.1	551.8	551.8
			35	95	434.3	451.7	470.5	485.7	496.3	513.3	519.2	531.4	531.4
			40	104	411.4	427.9	445.7	460.1	470.2	486.2	491.8	503.4	503.4
			45	113	384.5	399.8	416.5	429.9	439.4	454.4	459.6	470.4	470.4
			50	122	337.4	350.9	365.6	377.4	385.6	398.8	403.4	412.9	412.9
	45	113	20	68	399.2	415.1	432.4	446.4	456.2	471.7	477.2	488.4	488.4
			25	77	387.2	402.7	419.5	433.0	442.5	457.6	462.9	473.7	473.7
			30	86	372.3	387.2	403.3	416.3	425.5	440.0	445.1	455.5	455.5
			35	95	358.5	372.9	388.4	400.9	409.7	423.7	428.6	438.7	438.7
			40	104	339.6	353.2	368.0	379.8	388.2	401.4	406.0	415.6	415.6
			45	113	317.4	330.1	343.8	354.9	362.7	375.1	379.4	388.3	388.3
			50	122	278.6	289.7	301.8	311.5	318.4	329.2	333.0	340.8	340.8
	50	122	20	68	326.8	339.9	354.0	365.4	373.5	386.2	390.7	399.8	399.8
			25	77	317.0	329.7	343.4	354.5	362.3	374.6	378.9	387.8	387.8
			30	86	304.8	317.0	330.2	340.9	348.3	360.2	364.4	372.9	372.9
			35	95	293.5	305.3	318.0	328.2	335.4	346.9	350.9	359.1	359.1
			40	104	278.1	289.2	301.2	311.0	317.8	328.6	332.4	340.2	340.2
			45	113	259.8	270.2	281.5	290.6	296.9	307.1	310.6	317.9	317.9
			50	122	228.1	237.2	247.1	255.0	260.6	269.5	272.6	279.0	279.0

PSE 1800 Direct Expansion Refrigeration Dryer Performance @ +3°C (+37°F) Dewpoint / 50hz

Outlet Flow Rates

Model	Inlet Temperature		Ambient Temperature		Outlet Flow (m^3/hr)								
					6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
PSE 1800	55	131	20	68	243.8	253.5	264.1	272.6	278.6	288.1	291.4	298.2	298.2
			25	77	236.4	245.9	256.1	264.4	270.2	279.4	282.6	289.3	289.3
			30	86	227.3	236.4	246.3	254.2	259.8	268.7	271.8	278.2	278.2
			35	95	218.9	227.7	237.2	244.8	250.2	258.7	261.7	267.9	267.9
			40	104	207.4	215.7	224.7	231.9	237.0	245.1	247.9	253.8	253.8
			45	113	193.8	201.6	210.0	216.7	221.5	229.0	231.7	237.1	237.1
			50	122	170.1	176.9	184.3	190.2	194.4	201.0	203.3	208.1	208.1
	60	140	20	68	226.1	235.2	245.0	252.9	258.5	267.3	270.3	276.7	276.7
			25	77	219.4	228.1	237.6	245.3	250.7	259.2	262.2	268.4	268.4
			30	86	210.9	219.4	228.5	235.9	241.1	249.3	252.1	258.1	258.1
			35	95	203.1	211.2	220.0	227.1	232.1	240.0	242.8	248.5	248.5
			40	104	192.4	200.1	208.5	215.2	219.9	227.4	230.0	235.4	235.4
			45	113	179.8	187.0	194.8	201.1	205.5	212.5	214.9	220.0	220.0
			50	122	157.8	164.1	171.0	176.5	180.4	186.5	188.7	193.1	193.1
	65	149	20	68	202.3	210.4	219.2	226.2	231.2	239.1	241.8	247.5	247.5
			25	77	196.2	204.1	212.6	219.4	224.3	231.9	234.6	240.1	240.1
			30	86	188.7	196.2	204.4	211.0	215.6	223.0	225.6	230.9	230.9
			35	95	181.7	189.0	196.8	203.2	207.7	214.7	217.2	222.3	222.3
			40	104	172.1	179.0	186.5	192.5	196.7	203.4	205.8	210.6	210.6
			45	113	160.8	167.3	174.3	179.9	183.8	190.1	192.3	196.8	196.8
			50	122	141.2	146.8	152.9	157.9	161.3	166.8	168.8	172.7	172.7

PSE Direct Expansion Refrigeration Dryer Technical Data

Pipe Connections, Weights & Dimensions

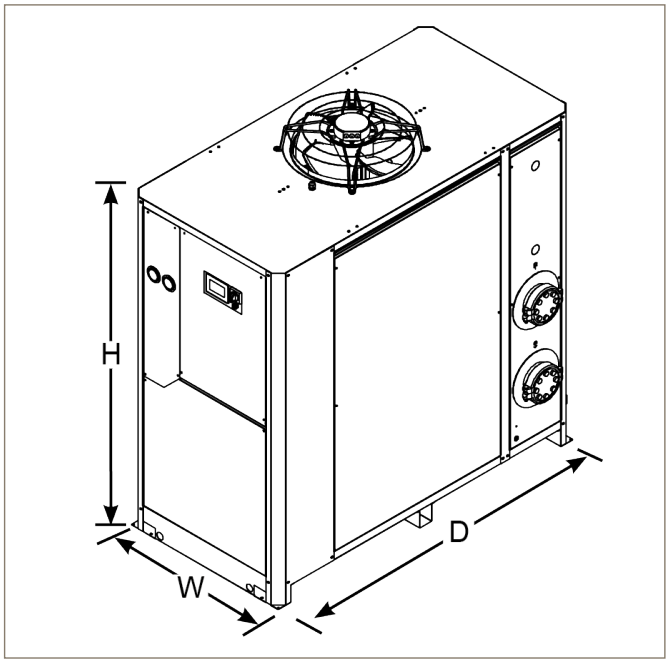
Model	Pipe Connections	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
PSE 120	2" BSPP	1365	53.7	703	27.7	1150	45.3	205	452
PSE 140	2" BSPP	1365	53.7	703	27.7	1150	45.3	205	452
PSE 180	2" BSPP	1365	53.7	703	27.7	1150	45.3	210	463
PSE 220	2½" BSPP	1410	55.5	703	27.7	1150	45.3	260	573
PSE 260	2½" BSPP	1410	55.5	703	27.7	1151	45.3	262	578
PSE 300	2½" BSPP	1410	55.5	703	27.7	1151	45.3	264	582
PSE 350	2½" BSPP	1410	55.5	703	27.7	1151	45.3	270	595
PSE 460	DN100	2055	80.9	973	38.3	1287	50.7	380	838
PSE 520	DN100	2055	80.9	973	38.3	1287	50.7	380	838
PSE 630	DN100	2055	80.9	973	38.3	1287	50.7	420	926
PSE 750	DN150	2055	80.9	1205	47.4	1974	77.7	730	1609
PSE 900	DN150	2055	80.9	1205	47.4	1974	77.7	770	1698
PSE 1200	DN150	2055	80.9	1205	47.4	1974	77.7	850	1874
PSE 1500	DN200	2040	80.3	1517	59.7	2529	99.6	1070	2359
PSE 1800	DN200	2040	80.3	1517	59.7	2529	99.6	1210	2668

Dryer Performance (Including Filtration)

ISO8573-1:2010 Classification	+3˚C PDP	+37˚F PDP
	Class 1.4.2	

Operation Parameters

Minimum Operating Pressure	2.0 bar(g)	29.0 psi(g)
Maximum Operating Pressure	14.0 bar(g)	203.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	65.0˚C	149.0˚F
Maximum Ambient Temperature	50.0˚C	122.0˚F
Supply Voltage	400V AC 50Hz / 460V AC 60Hz	
Noise	<75 dB (A)	



PSE Direct Expansion Refrigeration Dryer Technical Data

Recommended Filtration

Model	Dryer Inlet	Dryer Outlet
	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
PSE 120	AOPX040H	AAPX040H
PSE 140	AOPX040H	AAPX040H
PSE 180	AOPX045I	AAPX045I
PSE 220	AOPX050I	AAPX050I
PSE 260	AOPX055I	AAPX055I
PSE 300	AOPX055I	AAPX055I
PSE 350	AOPX055I	AAPX055I
PSE 460	AO070O	AA070O
PSE 520	AO070O	AA070O
PSE 630	AO070O	AA070O
PSE 750	AO075P	AA075P
PSE 900	AO075P	AA075P
PSE 1200	AO080P	AA080P
PSE 1500	AO085Q	AA085Q
PSE 1800	AO085Q	AA085Q

Part Numbers

Model	Part Number Air Cooled	Part Number Water Cooled
PSE 120	PSE120-A4X03DF14EI	-
PSE 140	PSE140-A4X03DF14EI	-
PSE 180	PSE180-A4X03DF14EI	-
PSE 220	PSE220-A4X03DF14EITS	PSE220-S4X03DF14EITS
PSE 260	PSE260-A4X03DF14EITS	PSE260-S4X03DF14EITS
PSE 300	PSE300-A4X03DF14EITS	PSE300-S4X03DF14EITS
PSE 350	PSE350-A4X03DF14EITS	PSE350-S4X03DF14EITS
PSE 460	PSE460-A4X03DF14EITS	PSE460-S4X03DF14EITS
PSE 520	PSE520-A4X03DF14EITS	PSE520-S4X03DF14EITS
PSE 630	PSE630-A4X03DF14EITS	PSE630-S4X03DF14EITS
PSE 750	PSE750-A4X03DF14EITS	PSE750-S4X03DF14EITS
PSE 900	PSE900-A4X03DF14EITS	PSE900-S4X03DF14EITS
PSE 1200	PSE1200-A4X03DF14EITS	PSE1200-S4X03DF14EITS
PSE 1500	PSE1500-A4X03DF14EITS	PSE1500-S4X03DF14EITS
PSE 1800	PSE1800-A4X03DF14EITS	PSE1800-S4X03DF14EITS

PRE-TREATMENT SELECTION (DESICCANT DRYERS)

CDAS Medium Flow Heatless Adsorption Dryers Performance @ -20°C (-4°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
CDAS HL 050	⩽35	⩽95	11	42.0	49.4	56.9	64.5	71.8	79.2	86.5	95.0	103.0
	40	104		40.0	47.1	54.3	61.6	68.6	75.7	82.7	91.0	98.7
	45	113		35.5	42.0	48.6	55.3	61.6	68.1	74.5	82.0	89.0
	50	122		27.7	33.1	38.6	44.1	49.4	54.8	60.2	66.4	72.2
CDAS HL 055	⩽35	⩽95	14	53.5	62.9	72.4	82.2	91.4	100.8	110.1	121.0	131.1
	40	104		50.9	60.0	69.1	78.5	87.3	96.4	105.3	115.8	125.6
	45	113		45.2	53.5	61.8	70.3	78.4	86.7	94.8	104.4	113.3
	50	122		35.3	42.1	49.1	56.2	62.9	69.8	76.6	84.5	91.9
CDAS HL 060	⩽35	⩽95	18	68.8	80.9	93.1	105.6	117.5	129.6	141.5	155.5	168.6
	40	104		65.4	77.1	88.9	100.9	112.3	123.9	135.4	148.8	161.4
	45	113		58.1	68.8	79.5	90.4	100.8	111.5	121.9	134.2	145.7
	50	122		45.3	54.2	63.1	72.2	80.9	89.7	98.4	108.7	118.2
CDAS HL 065	⩽35	⩽95	22	84.0	98.9	113.8	129.1	143.6	158.4	173.0	190.1	206.1
	40	104		80.0	94.2	108.6	123.3	137.2	151.5	165.5	181.9	197.3
	45	113		71.0	84.0	97.1	110.5	123.3	136.3	149.0	164.0	178.1
	50	122		55.4	66.2	77.1	88.3	98.9	109.7	120.3	132.8	144.5
CDAS HL 070	⩽35	⩽95	30	114.6	134.8	155.2	176.0	195.8	216.0	235.9	259.2	281.0
	40	104		109.0	128.5	148.1	168.1	187.1	206.6	225.6	248.1	269.0
	45	113		96.8	114.6	132.5	150.7	168.1	185.8	203.2	223.7	242.8
	50	122		75.5	90.3	105.2	120.4	134.8	149.6	164.1	181.1	197.0
CDAS HL 075	⩽35	⩽95	37	141.3	166.3	191.4	217.1	241.5	266.4	290.9	319.7	346.6
	40	104		134.5	158.5	182.6	207.3	230.8	254.8	278.3	305.9	331.8
	45	113		119.4	141.3	163.4	185.9	207.3	229.2	250.6	275.9	299.5
	50	122		93.2	111.4	129.7	148.5	166.3	184.5	202.3	223.3	243.0
CDAS HL 080	⩽35	⩽95	44	168.1	197.8	227.6	258.2	287.2	316.8	345.9	380.1	412.1
	40	104		159.9	188.5	217.2	246.6	274.4	303.0	330.9	363.8	394.6
	45	113		142.0	168.1	194.3	221.1	246.5	272.5	298.0	328.1	356.1
	50	122		110.8	132.5	154.3	176.6	197.7	219.4	240.6	265.6	289.0
CDAS HL 085	⩽35	⩽95	60	229.2	269.7	310.4	352.1	391.6	432.0	471.7	518.4	562.0
	40	104		218.1	257.0	296.2	336.2	374.2	413.1	451.3	496.1	538.1
	45	113		193.7	229.2	264.9	301.5	336.1	371.6	406.4	447.3	485.6
	50	122		151.1	180.6	210.4	240.8	269.6	299.2	328.1	362.2	394.0

CDAS Medium Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
CDAS HL 050	⩽35	⩽95	11	37.2	44.0	50.8	57.8	64.3	71.1	77.7	85.5	92.8
	40	104		35.4	41.9	48.4	55.1	61.4	67.9	74.3	81.8	88.8
	45	113		31.3	37.2	43.2	49.3	55.1	61.0	66.8	73.6	80.0
	50	122		24.2	29.1	34.1	39.2	44.0	48.9	53.8	59.4	64.7
CDAS HL 055	⩽35	⩽95	14	47.4	56.0	64.7	73.5	81.9	90.5	98.9	108.8	118.1
	40	104		45.0	53.3	61.6	70.1	78.2	86.5	94.6	104.1	113.0
	45	113		39.9	47.4	55.0	62.8	70.1	77.6	85.0	93.7	101.9
	50	122		30.8	37.1	43.4	49.9	56.0	62.3	68.4	75.6	82.4
CDAS HL 060	⩽35	⩽95	18	60.9	72.0	83.1	94.5	105.3	116.3	127.2	139.9	151.8
	40	104		57.9	68.5	79.2	90.2	100.5	111.2	121.6	133.8	145.3
	45	113		51.3	60.9	70.7	80.7	90.1	99.8	109.3	120.5	131.0
	50	122		39.6	47.7	55.8	64.1	72.0	80.0	88.0	97.3	105.9
CDAS HL 065	⩽35	⩽95	22	74.5	88.0	101.6	115.5	128.7	142.2	155.4	171.0	185.5
	40	104		70.8	83.8	96.8	110.2	122.9	135.9	148.6	163.6	177.6
	45	113		62.6	74.5	86.4	98.6	110.2	122.0	133.6	147.3	160.1
	50	122		48.4	58.3	68.2	78.4	88.0	97.8	107.5	118.9	129.5
CDAS HL 070	⩽35	⩽95	30	101.6	120.0	138.5	157.5	175.5	193.9	211.9	233.2	253.0
	40	104		96.5	114.2	132.1	150.3	167.6	185.3	202.6	223.0	242.1
	45	113		85.4	101.6	117.8	134.5	150.2	166.4	182.2	200.8	218.3
	50	122		66.0	79.5	93.0	106.9	120.0	133.4	146.6	162.1	176.6
CDAS HL 075	⩽35	⩽95	37	125.3	148.0	170.9	194.3	216.4	239.1	261.4	287.6	312.1
	40	104		119.0	140.9	162.9	185.4	206.7	228.5	249.9	275.1	298.6
	45	113		105.4	125.3	145.3	165.9	185.3	205.2	224.7	247.7	269.2
	50	122		81.5	98.0	114.7	131.8	148.0	164.5	180.8	199.9	217.8
CDAS HL 080	⩽35	⩽95	44	149.0	176.0	203.2	231.0	257.4	284.4	310.8	342.0	371.1
	40	104		141.6	167.5	193.7	220.4	245.8	271.7	297.2	327.1	355.1
	45	113		125.3	149.0	172.8	197.2	220.4	244.0	267.3	294.6	320.1
	50	122		96.9	116.6	136.4	156.7	176.0	195.7	215.0	237.7	259.0
CDAS HL 085	⩽35	⩽95	60	203.2	240.0	277.1	315.0	351.0	387.8	423.9	466.3	506.0
	40	104		193.0	228.5	264.1	300.6	335.2	370.5	405.3	446.1	484.3
	45	113		170.8	203.2	235.7	268.9	300.5	332.8	364.4	401.7	436.5
	50	122		132.1	159.0	186.0	213.7	240.0	266.8	293.2	324.2	353.2

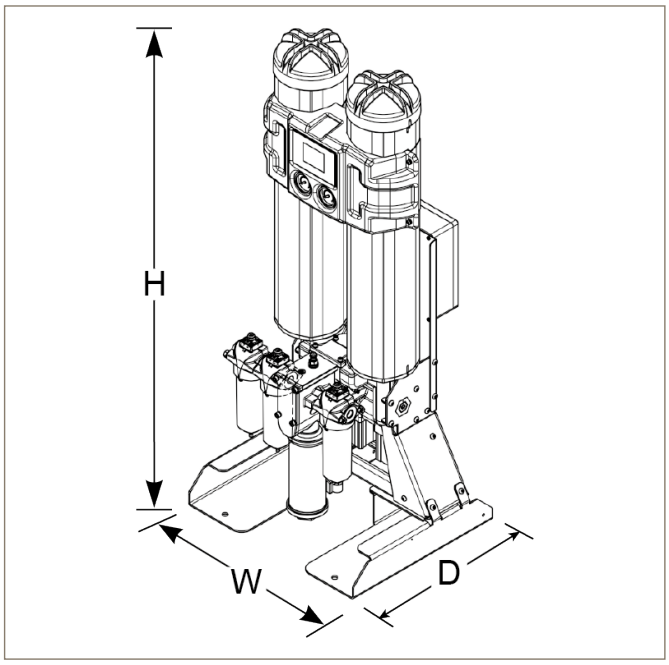
CDAS Medium Flow Heatless Adsorption Dryers Technical Data

Weights & Dimensions

Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
CDAS HL 050	½" BSPP	1133	45	559	22	490	19	76	168
CDAS HL 055	½" BSPP	1313	52	559	22	490	19	84	185
CDAS HL 060	½" BSPP	1510	59	559	22	490	19	93	205
CDAS HL 065	½" BSPP	1660	65	559	22	490	19	100	220
CDAS HL 070	¾" BSPP	2020	80	559	22	490	19	120	265
CDAS HL 075	1" BSPP	1595	63	559	22	682	27	165	364
CDAS HL 080	1" BSPP	1745	69	559	22	682	27	180	397
CDAS HL 085	1½" BSPP	2105	83	559	22	682	27	210	463

Dryer Performance

ISO8573-1:2010 Classification	-20˚C PDP	-4˚F PDP
	Class 2.3.2	
	-40˚C PDP	-40˚F PDP
	Class 2.2.2	



Operation Parameters

Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	

Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
CDAS HL 050	AOPX015C	AAPX015C	-	AOPX015C	-
CDAS HL 055	AOPX015C	AAPX015C	-	AOPX015C	-
CDAS HL 060	AOPX020C	AAPX020C	-	AOPX020C	-
CDAS HL 065	AOPX020C	AAPX020C	-	AOPX020C	-
CDAS HL 070	AOPX025D	AAPX025D	-	AOPX025D	-
CDAS HL 075	AOPX025E	AAPX025E	-	AOPX025E	-
CDAS HL 080	AOPX025E	AAPX025E	-	AOPX025E	-
CDAS HL 085	AOPX030G	AAPX030G	-	AOPX030G	-

CDAS Medium Flow Heatless Adsorption Dryers Technical Data

Part Numbers

Model	-20°C (-4°F) / -40°C (-40°F) PDP Desiccant Dryer Part Numbers
CDAS HL 050	CDASHL050-40G16AE
CDAS HL 055	CDASHL055-40G16AE
CDAS HL 060	CDASHL060-40G16AE
CDAS HL 065	CDASHL065-40G16AE
CDAS HL 070	CDASHL070-40G16AE
CDAS HL 075	CDASHL075-40G16AE
CDAS HL 080	CDASHL080-40G16AE
CDAS HL 085	CDASHL085-40G16AE

OFAS Medium Flow Heatless Adsorption Dryers Performance @ -20°C (-4°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
OFAS HL 050	⩽35	⩽95	11	42.0	49.4	56.9	64.5	71.8	79.2	86.5	95.0	103.0
	40	104		40.0	47.1	54.3	61.6	68.6	75.7	82.7	91.0	98.7
	45	113		35.5	42.0	48.6	55.3	61.6	68.1	74.5	82.0	89.0
	50	122		27.7	33.1	38.6	44.1	49.4	54.8	60.2	66.4	72.2
OFAS HL 055	⩽35	⩽95	14	53.5	62.9	72.4	82.2	91.4	100.8	110.1	121.0	131.1
	40	104		50.9	60.0	69.1	78.5	87.3	96.4	105.3	115.8	125.6
	45	113		45.2	53.5	61.8	70.3	78.4	86.7	94.8	104.4	113.3
	50	122		35.3	42.1	49.1	56.2	62.9	69.8	76.6	84.5	91.9
OFAS HL 060	⩽35	⩽95	18	68.8	80.9	93.1	105.6	117.5	129.6	141.5	155.5	168.6
	40	104		65.4	77.1	88.9	100.9	112.3	123.9	135.4	148.8	161.4
	45	113		58.1	68.8	79.5	90.4	100.8	111.5	121.9	134.2	145.7
	50	122		45.3	54.2	63.1	72.2	80.9	89.7	98.4	108.7	118.2
OFAS HL 065	⩽35	⩽95	22	84.0	98.9	113.8	129.1	143.6	158.4	173.0	190.1	206.1
	40	104		80.0	94.2	108.6	123.3	137.2	151.5	165.5	181.9	197.3
	45	113		71.0	84.0	97.1	110.5	123.3	136.3	149.0	164.0	178.1
	50	122		55.4	66.2	77.1	88.3	98.9	109.7	120.3	132.8	144.5
OFAS HL 070	⩽35	⩽95	30	114.6	134.8	155.2	176.0	195.8	216.0	235.9	259.2	281.0
	40	104		109.0	128.5	148.1	168.1	187.1	206.6	225.6	248.1	269.0
	45	113		96.8	114.6	132.5	150.7	168.1	185.8	203.2	223.7	242.8
	50	122		75.5	90.3	105.2	120.4	134.8	149.6	164.1	181.1	197.0
OFAS HL 075	⩽35	⩽95	37	141.3	166.3	191.4	217.1	241.5	266.4	290.9	319.7	346.6
	40	104		134.5	158.5	182.6	207.3	230.8	254.8	278.3	305.9	331.8
	45	113		119.4	141.3	163.4	185.9	207.3	229.2	250.6	275.9	299.5
	50	122		93.2	111.4	129.7	148.5	166.3	184.5	202.3	223.3	243.0
OFAS HL 080	⩽35	⩽95	44	168.1	197.8	227.6	258.2	287.2	316.8	345.9	380.1	412.1
	40	104		159.9	188.5	217.2	246.6	274.4	303.0	330.9	363.8	394.6
	45	113		142.0	168.1	194.3	221.1	246.5	272.5	298.0	328.1	356.1
	50	122		110.8	132.5	154.3	176.6	197.7	219.4	240.6	265.6	289.0
OFAS HL 085	⩽35	⩽95	60	229.2	269.7	310.4	352.1	391.6	432.0	471.7	518.4	562.0
	40	104		218.1	257.0	296.2	336.2	374.2	413.1	451.3	496.1	538.1
	45	113		193.7	229.2	264.9	301.5	336.1	371.6	406.4	447.3	485.6
	50	122		151.1	180.6	210.4	240.8	269.6	299.2	328.1	362.2	394.0

OFAS Medium Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
OFAS HL 050	⩽35	⩽95	11	37.2	44.0	50.8	57.8	64.3	71.1	77.7	85.5	92.8
	40	104		35.4	41.9	48.4	55.1	61.4	67.9	74.3	81.8	88.8
	45	113		31.3	37.2	43.2	49.3	55.1	61.0	66.8	73.6	80.0
	50	122		24.2	29.1	34.1	39.2	44.0	48.9	53.8	59.4	64.7
OFAS HL 055	⩽35	⩽95	14	47.4	56.0	64.7	73.5	81.9	90.5	98.9	108.8	118.1
	40	104		45.0	53.3	61.6	70.1	78.2	86.5	94.6	104.1	113.0
	45	113		39.9	47.4	55.0	62.8	70.1	77.6	85.0	93.7	101.9
	50	122		30.8	37.1	43.4	49.9	56.0	62.3	68.4	75.6	82.4
OFAS HL 060	⩽35	⩽95	18	60.9	72.0	83.1	94.5	105.3	116.3	127.2	139.9	151.8
	40	104		57.9	68.5	79.2	90.2	100.5	111.2	121.6	133.8	145.3
	45	113		51.3	60.9	70.7	80.7	90.1	99.8	109.3	120.5	131.0
	50	122		39.6	47.7	55.8	64.1	72.0	80.0	88.0	97.3	105.9
OFAS HL 065	⩽35	⩽95	22	74.5	88.0	101.6	115.5	128.7	142.2	155.4	171.0	185.5
	40	104		70.8	83.8	96.8	110.2	122.9	135.9	148.6	163.6	177.6
	45	113		62.6	74.5	86.4	98.6	110.2	122.0	133.6	147.3	160.1
	50	122		48.4	58.3	68.2	78.4	88.0	97.8	107.5	118.9	129.5
OFAS HL 070	⩽35	⩽95	30	101.6	120.0	138.5	157.5	175.5	193.9	211.9	233.2	253.0
	40	104		96.5	114.2	132.1	150.3	167.6	185.3	202.6	223.0	242.1
	45	113		85.4	101.6	117.8	134.5	150.2	166.4	182.2	200.8	218.3
	50	122		66.0	79.5	93.0	106.9	120.0	133.4	146.6	162.1	176.6
OFAS HL 075	⩽35	⩽95	37	125.3	148.0	170.9	194.3	216.4	239.1	261.4	287.6	312.1
	40	104		119.0	140.9	162.9	185.4	206.7	228.5	249.9	275.1	298.6
	45	113		105.4	125.3	145.3	165.9	185.3	205.2	224.7	247.7	269.2
	50	122		81.5	98.0	114.7	131.8	148.0	164.5	180.8	199.9	217.8
OFAS HL 080	⩽35	⩽95	44	149.0	176.0	203.2	231.0	257.4	284.4	310.8	342.0	371.1
	40	104		141.6	167.5	193.7	220.4	245.8	271.7	297.2	327.1	355.1
	45	113		125.3	149.0	172.8	197.2	220.4	244.0	267.3	294.6	320.1
	50	122		96.9	116.6	136.4	156.7	176.0	195.7	215.0	237.7	259.0
OFAS HL 085	⩽35	⩽95	60	203.2	240.0	277.1	315.0	351.0	387.8	423.9	466.3	506.0
	40	104		193.0	228.5	264.1	300.6	335.2	370.5	405.3	446.1	484.3
	45	113		170.8	203.2	235.7	268.9	300.5	332.8	364.4	401.7	436.5
	50	122		132.1	159.0	186.0	213.7	240.0	266.8	293.2	324.2	353.2

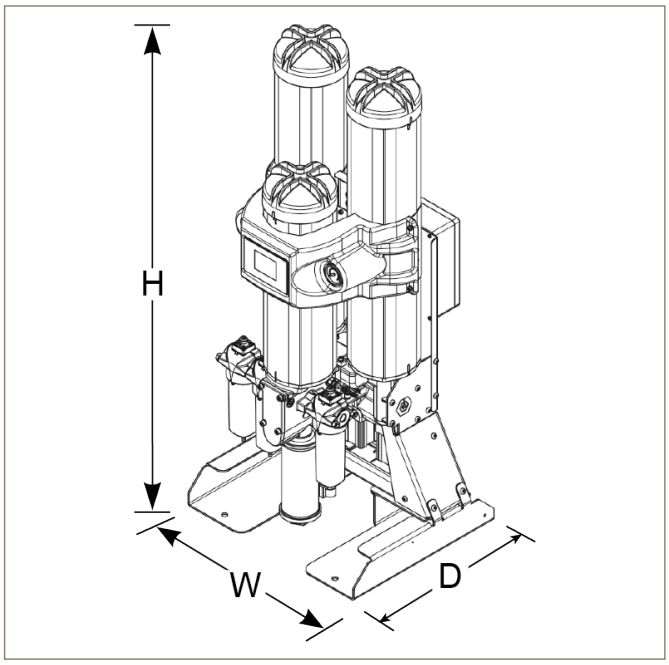
OFAS Medium Flow Heatless Adsorption Dryers Technical Data

Pipe Connections, Weights & Dimensions

Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OFAS HL 050	½" BSPP	1133	45	559	22	512	20.2	90	198
OFAS HL 055	½" BSPP	1313	52	559	22	512	20.2	97	214
OFAS HL 060	½" BSPP	1510	59	559	22	496	19.5	106	234
OFAS HL 065	½" BSPP	1660	65	559	22	496	19.5	112	247
OFAS HL 070	¾" BSPP	2020	80	559	22	496	19.5	132	291
OFAS HL 075	1" BSPP	1595	63	559	22	682	27	184	406
OFAS HL 080	1" BSPP	1745	69	559	22	682	27	196	432
OFAS HL 085	1½" BSPP	2105	83	559	22	682	27	232	511

Dryer Performance

ISO8573-1:2010 Classification	-20˚C PDP	-4˚F PDP
	Class 2.3.0	
	-40˚C PDP	-40˚F PDP
	Class 2.2.0	



Operation Parameters

Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	

Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
OFAS HL 050	AOPX015C	AAPX015C	Included	AOPX015C	-
OFAS HL 055	AOPX015C	AAPX015C	Included	AOPX015C	-
OFAS HL 060	AOPX020C	AAPX020C	Included	AOPX020C	-
OFAS HL 065	AOPX020C	AAPX020C	Included	AOPX020C	-
OFAS HL 070	AOPX025D	AAPX025D	Included	AOPX025D	-
OFAS HL 075	AOPX025E	AAPX025E	Included	AOPX025E	-
OFAS HL 080	AOPX025E	AAPX025E	Included	AOPX025E	-
OFAS HL 085	AOPX030G	AAPX030G	Included	AOPX030G	-

OFAS Medium Flow Heatless Adsorption Dryers Technical Data

Part Numbers

Model	-20°C (-4°F) / -40°C (-40°F) PDP Desiccant Dryer Part Numbers
OFAS HL 050	OFASHL050-40G16AE
OFAS HL 055	OFASHL055-40G16AE
OFAS HL 060	OFASHL060-40G16AE
OFAS HL 065	OFASHL065-40G16AE
OFAS HL 070	OFASHL070-40G16AE
OFAS HL 075	OFASHL075-40G16AE
OFAS HL 080	OFASHL080-40G16AE
OFAS HL 085	OFASHL085-40G16AE

FBP Medium Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
	°C	°F		6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
				87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
FBP HL 050	⩽35	⩽95	11	37.2	44.0	50.8	57.8	64.3	71.1	77.7	85.5	92.8
	40	104		35.4	41.9	48.4	55.1	61.4	67.9	74.3	81.8	88.8
	45	113		31.3	37.2	43.2	49.3	55.1	61.0	66.8	73.6	80.0
	50	122		24.2	29.1	34.1	39.2	44.0	48.9	53.8	59.4	64.7
FBP HL 055	⩽35	⩽95	14	47.4	56.0	64.7	73.5	81.9	90.5	98.9	108.8	118.1
	40	104		45.0	53.3	61.6	70.1	78.2	86.5	94.6	104.1	113.0
	45	113		39.9	47.4	55.0	62.8	70.1	77.6	85.0	93.7	101.9
	50	122		30.8	37.1	43.4	49.9	56.0	62.3	68.4	75.6	82.4
FBP HL 060	⩽35	⩽95	18	60.9	72.0	83.1	94.5	105.3	116.3	127.2	139.9	151.8
	40	104		57.9	68.5	79.2	90.2	100.5	111.2	121.6	133.8	145.3
	45	113		51.3	60.9	70.7	80.7	90.1	99.8	109.3	120.5	131.0
	50	122		39.6	47.7	55.8	64.1	72.0	80.0	88.0	97.3	105.9
FBP HL 065	⩽35	⩽95	22	74.5	88.0	101.6	115.5	128.7	142.2	155.4	171.0	185.5
	40	104		70.8	83.8	96.8	110.2	122.9	135.9	148.6	163.6	177.6
	45	113		62.6	74.5	86.4	98.6	110.2	122.0	133.6	147.3	160.1
	50	122		48.4	58.3	68.2	78.4	88.0	97.8	107.5	118.9	129.5
FBP HL 070	⩽35	⩽95	30	101.6	120.0	138.5	157.5	175.5	193.9	211.9	233.2	253.0
	40	104		96.5	114.2	132.1	150.3	167.6	185.3	202.6	223.0	242.1
	45	113		85.4	101.6	117.8	134.5	150.2	166.4	182.2	200.8	218.3
	50	122		66.0	79.5	93.0	106.9	120.0	133.4	146.6	162.1	176.6
FBP HL 075	⩽35	⩽95	37	125.3	148.0	170.9	194.3	216.4	239.1	261.4	287.6	312.1
	40	104		119.0	140.9	162.9	185.4	206.7	228.5	249.9	275.1	298.6
	45	113		105.4	125.3	145.3	165.9	185.3	205.2	224.7	247.7	269.2
	50	122		81.5	98.0	114.7	131.8	148.0	164.5	180.8	199.9	217.8
FBP HL 080	⩽35	⩽95	44	149.0	176.0	203.2	231.0	257.4	284.4	310.8	342.0	371.1
	40	104		141.6	167.5	193.7	220.4	245.8	271.7	297.2	327.1	355.1
	45	113		125.3	149.0	172.8	197.2	220.4	244.0	267.3	294.6	320.1
	50	122		96.9	116.6	136.4	156.7	176.0	195.7	215.0	237.7	259.0
FBP HL 085	⩽35	⩽95	60	203.2	240.0	277.1	315.0	351.0	387.8	423.9	466.3	506.0
	40	104		193.0	228.5	264.1	300.6	335.2	370.5	405.3	446.1	484.3
	45	113		170.8	203.2	235.7	268.9	300.5	332.8	364.4	401.7	436.5
	50	122		132.1	159.0	186.0	213.7	240.0	266.8	293.2	324.2	353.2

FBP Medium Flow Heatless Adsorption Dryers Performance @ -70°C (-94°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)								
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
FBP HL 050	⩽35	⩽95	11	22.7	27.5	32.2	37.1	41.7	46.4	51.0	56.5	61.6
	40	104		21.4	26.0	30.6	35.2	39.7	44.2	48.6	53.9	58.8
	45	113		18.6	22.7	26.9	31.2	35.2	39.4	43.4	48.2	52.7
	50	122		13.6	17.1	20.5	24.1	27.5	30.9	34.3	38.3	42.0
FBP HL 055	⩽35	⩽95	14	28.9	35.0	41.0	47.2	53.1	59.1	65.0	71.9	78.4
	40	104		27.3	33.1	38.9	44.8	50.5	56.3	61.9	68.6	74.8
	45	113		23.7	28.9	34.2	39.7	44.8	50.1	55.3	61.3	67.0
	50	122		17.3	21.7	26.1	30.7	34.9	39.3	43.6	48.7	53.4
FBP HL 060	⩽35	⩽95	18	37.2	44.9	52.7	60.7	68.2	75.9	83.5	92.4	100.7
	40	104		35.1	42.5	50.0	57.6	64.9	72.3	79.6	88.2	96.2
	45	113		30.4	37.2	44.0	51.0	57.6	64.4	71.0	78.9	86.2
	50	122		22.3	27.9	33.6	39.4	44.9	50.6	56.1	62.6	68.7
FBP HL 065	⩽35	⩽95	22	45.5	54.9	64.4	74.2	83.4	92.8	102.1	113.0	123.1
	40	104		42.9	52.0	61.1	70.5	79.3	88.4	97.3	107.8	117.6
	45	113		37.2	45.5	53.8	62.3	70.4	78.7	86.8	96.4	105.3
	50	122		27.3	34.1	41.1	48.2	54.9	61.8	68.6	76.5	83.9
FBP HL 070	⩽35	⩽95	30	62.0	74.9	87.9	101.1	113.7	126.6	139.2	154.0	167.9
	40	104		58.5	70.9	83.3	96.1	108.2	120.5	132.7	146.9	160.3
	45	113		50.7	62.0	73.4	85.0	96.0	107.3	118.4	131.4	143.6
	50	122		37.2	46.6	56.0	65.7	74.9	84.3	93.5	104.3	114.5
FBP HL 075	⩽35	⩽95	37	76.5	92.4	108.4	124.7	140.2	156.1	171.7	190.0	207.1
	40	104		72.1	87.4	102.8	118.5	133.4	148.7	163.6	181.2	197.7
	45	113		62.5	76.5	90.5	104.9	118.5	132.4	146.0	162.1	177.1
	50	122		45.8	57.4	69.1	81.0	92.4	103.9	115.3	128.7	141.2
FBP HL 080	⩽35	⩽95	44	91.0	109.8	128.9	148.3	166.7	185.6	204.1	225.9	246.3
	40	104		85.8	103.9	122.2	140.9	158.6	176.8	194.6	215.5	235.1
	45	113		74.4	91.0	107.6	124.7	140.9	157.4	173.7	192.8	210.6
	50	122		54.5	68.3	82.2	96.4	109.8	123.6	137.1	153.0	167.9
FBP HL 085	⩽35	⩽95	60	124.0	149.8	175.7	202.2	227.4	253.1	278.4	308.1	335.8
	40	104		116.9	141.7	166.7	192.2	216.3	241.1	265.4	293.9	320.6
	45	113		101.4	124.0	146.8	170.0	192.1	214.7	236.8	262.9	287.2
	50	122		74.3	93.1	112.1	131.4	149.8	168.6	187.0	208.7	228.9

FBP Medium Flow Heatless Adsorption Dryers Technical Data

Pipe Connections, Weights & Dimensions

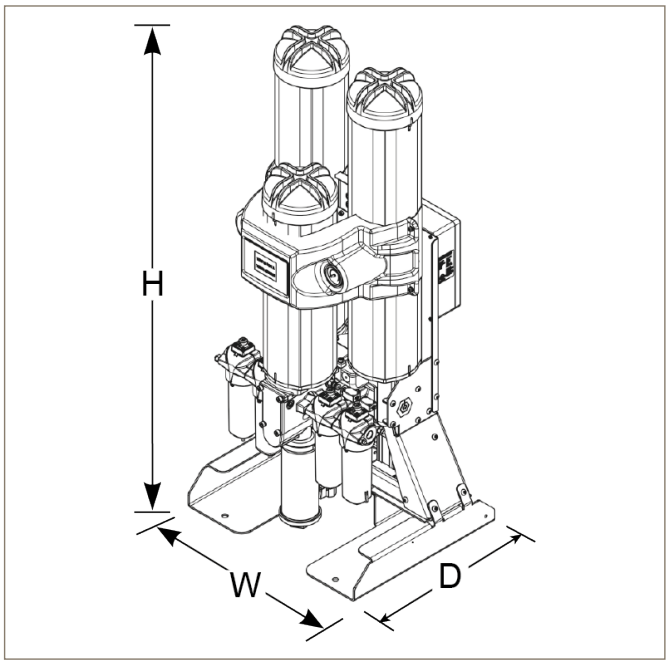
Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
FBP HL 050	½" BSPP	1133	45	559	22	512	20.2	91	201
FBP HL 055	½" BSPP	1313	52	559	22	512	20.2	98	216
FBP HL 060	½" BSPP	1510	59	559	22	496	19.5	108	238
FBP HL 065	½" BSPP	1660	65	559	22	496	19.5	114	251
FBP HL 070	¾" BSPP	2020	80	630	24.8	496	19.5	136	300
FBP HL 075	1" BSPP	1595	63	630	24.8	682	27	184	406
FBP HL 080	1" BSPP	1745	69	630	24.8	682	27	196	432
FBP HL 085	1½" BSPP	2105	83	630	24.8	682	27	232	511

Dryer Performance

ISO8573-1:2010 Classification	-40˚C PDP	-40˚F PDP
	Class 1.2.0	
	-70˚C PDP	-94˚F PDP
	Class 1.1.0	

Operation Parameters

Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	



Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
FBPHL 050	AOPX015C	AAPX015C	Included	AOPX015C	AAPX015C
FBP HL 055	AOPX015C	AAPX015C	Included	AOPX015C	AAPX015C
FBP HL 060	AOPX020C	AAPX020C	Included	AOPX020C	AAPX020C
FBP HL 065	AOPX020C	AAPX020C	Included	AOPX020C	AAPX020C
FBP HL 070	AOPX025D	AAPX025D	Included	AOPX025D	AAPX025D
FBP HL 075	AOPX025E	AAPX025E	Included	AOPX025E	AAPX025E
FBP HL 080	AOPX025E	AAPX025E	Included	AOPX025E	AAPX025E
FBP HL 085	AOPX030G	AAPX030G	Included	AOPX030G	AAPX030G

FBP Medium Flow Heatless Adsorption Dryers Technical Data

Part Numbers

Model	-40°C (-40°F) PDP Desiccant Dryer Part Numbers	-70°C (-94°F) PDP Desiccant Dryer Part Numbers
FBPHL 050	FBPHL050-40G16AE	FBPHL050-70G16AE
FBP HL 055	FBPHL055-40G16AE	FBPHL055-70G16AE
FBP HL 060	FBPHL060-40G16AE	FBPHL060-70G16AE
FBP HL 065	FBPHL065-40G16AE	FBPHL065-70G16AE
FBP HL 070	FBPHL070-40G16AE	FBPHL070-70G16AE
FBP HL 075	FBPHL075-40G16AE	FBPHL075-70G16AE
FBP HL 080	FBPHL080-40G16AE	FBPHL080-70G16AE
FBP HL 085	FBPHL085-40G16AE	FBPHL085-70G16AE

CDAS High Flow Heatless Adsorption Dryers Performance @ -20°C (-4°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
CDAS HL 100	⩽35	⩽95	81.6	311.7	366.8	422.2	478.8	532.6	587.6	641.5	705.0
	40	104		296.6	349.5	402.8	457.3	509.0	561.8	613.7	674.7
	45	113		263.4	311.7	360.3	410.0	457.2	505.4	552.7	608.4
	50	122		205.5	245.7	286.1	327.5	366.7	406.9	446.2	492.5
CDAS HL 110	⩽35	⩽95	122.4	467.5	550.1	633.2	718.3	798.9	881.4	962.3	1057.5
	40	104		444.8	524.3	604.2	685.9	763.4	842.8	920.6	1012.1
	45	113		395.1	467.5	540.4	615.0	685.7	758.1	829.1	912.6
	50	122		308.2	368.5	429.2	491.2	550.1	610.3	669.4	738.8
CDAS HL 120	⩽35	⩽95	153.0	584.4	687.7	791.6	897.8	998.6	1101.7	1202.9	1321.8
	40	104		556.1	655.3	755.2	857.4	954.3	1053.5	1150.8	1265.1
	45	113		493.9	584.4	675.6	768.8	857.2	947.6	1036.4	1140.7
	50	122		385.3	460.6	536.5	614.0	687.6	762.9	836.7	923.5
CDAS HL 130	⩽35	⩽95	204.0	779.2	916.9	1055.4	1197.1	1331.5	1469.0	1603.9	1762.5
	40	104		741.4	873.8	1007.0	1143.2	1272.4	1404.6	1534.3	1686.8
	45	113		658.5	779.2	900.7	1025.0	1142.9	1263.5	1381.9	1521.0
	50	122		513.7	614.2	715.3	818.7	916.8	1017.1	1115.6	1231.4
CDAS HL 140	⩽35	⩽95	255.0	974.0	1146.1	1319.3	1496.4	1664.3	1836.2	2004.8	2203.1
	40	104		926.8	1092.2	1258.7	1429.0	1590.5	1755.8	1917.9	2108.5
	45	113		823.1	974.0	1125.9	1281.3	1428.6	1579.4	1727.3	1901.2
	50	122		642.1	767.7	894.1	1023.4	1146.0	1271.4	1394.5	1539.2
CDAS HL 150	⩽35	⩽95	306.0	1168.8	1375.3	1583.1	1795.6	1997.2	2203.4	2405.8	2643.7
	40	104		1112.1	1310.7	1510.5	1714.8	1908.6	2106.9	2301.5	2530.2
	45	113		987.7	1168.8	1351.1	1537.6	1714.3	1895.3	2072.8	2281.4
	50	122		770.5	921.2	1072.9	1228.0	1375.2	1525.7	1673.4	1847.1
CDAS HL 160	⩽35	⩽95	357.0	1363.6	1604.5	1847.0	2094.9	2330.0	2570.7	2806.8	3084.3
	40	104		1297.5	1529.1	1762.2	2000.6	2226.7	2458.1	2685.1	2951.9
	45	113		1152.3	1363.6	1576.3	1793.8	2000.1	2211.1	2418.2	2661.7
	50	122		898.9	1074.8	1251.7	1432.7	1604.3	1780.0	1952.3	2154.9
CDAS HL 170	⩽35	⩽95	408.0	1558.5	1833.8	2110.8	2394.2	2662.9	2937.9	3207.7	3524.9
	40	104		1482.8	1747.5	2014.0	2286.4	2544.8	2809.2	3068.7	3373.6
	45	113		1317.0	1558.5	1801.5	2050.1	2285.8	2527.0	2763.7	3041.9
		122		1027.4	1228.3	1430.6	1637.4	1833.5	2034.3	2231.2	2462.7

CDAS High Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
CDAS HL 100	⩽35	⩽95	81.6	276.3	326.4	376.8	428.4	477.3	527.4	576.5	634.2
	40	104		262.5	310.7	359.2	408.8	455.8	503.9	551.2	606.7
	45	113		232.3	276.3	320.5	365.8	408.7	452.6	495.6	546.3
	50	122		179.6	216.2	253.0	290.7	326.4	362.9	398.7	440.9
CDAS HL 110	⩽35	⩽95	122.4	414.4	489.6	565.2	642.6	716.0	791.0	864.7	951.3
	40	104		393.8	466.1	538.8	613.2	683.7	755.9	826.7	910.0
	45	113		348.5	414.4	480.8	548.7	613.0	678.9	743.5	819.4
	50	122		269.5	324.3	379.5	436.0	489.5	544.3	598.1	661.3
CDAS HL 120	⩽35	⩽95	153.0	518.1	612.0	706.6	803.3	894.9	988.8	1080.9	1189.1
	40	104		492.2	582.6	673.5	766.5	854.6	944.9	1033.4	1137.5
	45	113		435.6	518.1	601.0	685.8	766.3	848.6	929.3	1024.3
	50	122		336.8	405.4	474.4	545.0	611.9	680.4	747.6	826.6
CDAS HL 130	⩽35	⩽95	204.0	690.7	816.0	942.1	1071.0	1193.3	1318.4	1441.2	1585.5
	40	104		656.3	776.8	898.0	1022.0	1139.5	1259.8	1377.9	1516.6
	45	113		580.9	690.7	801.3	914.4	1021.7	1131.4	1239.1	1365.7
	50	122		449.1	540.5	632.5	726.7	815.9	907.2	996.8	1102.2
CDAS HL 140	⩽35	⩽95	255.0	863.4	1020.0	1177.6	1338.8	1491.6	1648.0	1801.5	1981.8
	40	104		820.4	971.0	1122.5	1277.5	1424.4	1574.8	1722.4	1895.8
	45	113		726.1	863.4	1001.7	1143.0	1277.1	1414.3	1548.9	1707.1
	50	122		561.4	675.7	790.7	908.3	1019.9	1134.0	1246.1	1377.7
CDAS HL 150	⩽35	⩽95	306.0	1036.1	1224.0	1413.1	1606.5	1789.9	1977.6	2161.7	2378.2
	40	104		984.5	1165.2	1347.0	1532.9	1709.3	1889.8	2066.8	2275.0
	45	113		871.3	1036.1	1202.0	1371.6	1532.5	1697.1	1858.7	2048.6
	50	122		673.6	810.8	948.8	1090.0	1223.8	1360.8	1495.3	1653.3
CDAS HL 160	⩽35	⩽95	357.0	1208.8	1428.0	1648.6	1874.3	2088.2	2307.2	2522.0	2774.6
	40	104		1148.6	1359.3	1571.5	1788.4	1994.2	2204.7	2411.3	2654.1
	45	113		1016.5	1208.8	1402.3	1600.2	1787.9	1980.0	2168.5	2390.0
	50	122		785.9	945.9	1107.0	1271.6	1427.8	1587.7	1744.5	1928.8
CDAS HL 170	⩽35	⩽95	408.0	1381.5	1632.0	1884.1	2142.0	2386.5	2636.8	2882.3	3170.9
	40	104		1312.6	1553.5	1796.0	2043.9	2279.0	2519.7	2755.8	3033.3
	45	113		1161.7	1381.5	1602.6	1828.8	2043.3	2262.9	2478.2	2731.4
	50	122		898.2	1081.1	1265.1	1453.3	1631.8	1814.5	1993.7	2204.4

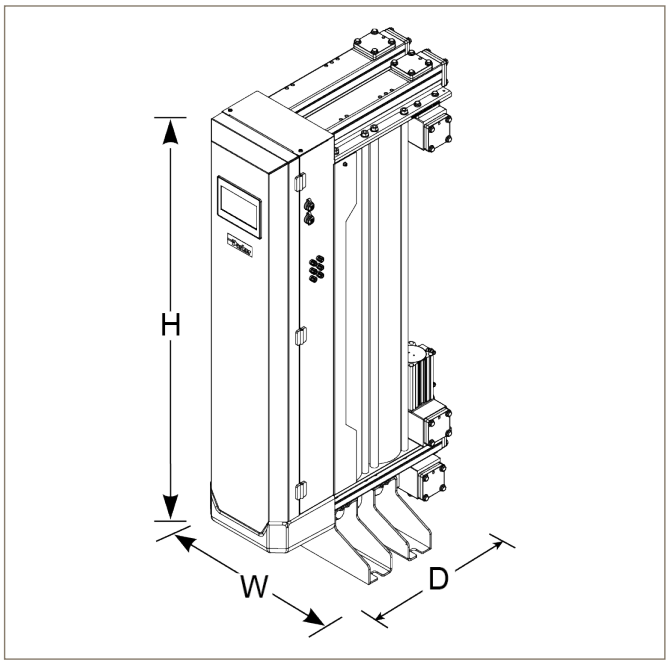
CDAS High Flow Heatless Adsorption Dryers Technical Data

Pipe Connections, Weights & Dimensions

Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
CDAS HL 100	2" BSPP	1672	65.8	550	21.7	816	32.1	217	478
CDAS HL 110	2" BSPP	1672	65.8	550	21.7	987	38.9	277	611
CDAS HL 120	2½" BSPP	1917	75.5	550	21.7	987	38.9	372	820
CDAS HL 130	2½" BSPP	1917	75.5	550	21.7	1156	45.5	464	1023
CDAS HL 140	2½" BSPP	1917	75.5	550	21.7	1325	52.2	555	1224
CDAS HL 150	2½" BSPP	1917	75.5	550	21.7	1494	58.8	646	1424
CDAS HL 160	3" BSPP	1917	75.5	550	21.7	1663	65.5	739	1629
CDAS HL 170	3" BSPP	1917	75.5	550	21.7	1832	72.1	830	1830

Dryer Performance

ISO8573-1:2010 Classification	-20˚C PDP	-4˚F PDP
	Class 2.3.2	
	-40˚C PDP	-40˚F PDP
	Class 2.2.2	



Operation Parameters

Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	

Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
CDAS HL 100	AOPX040HGFX	AAPX040HGFX	-	AOPX040HGFX	-
CDAS HL 110	AOPX040HGFX	AAPX040HGFX	-	AOPX040HGFX	-
CDAS HL 120	AOPX045IGFX	AAPX045IGFX	-	AOPX045IGFX	-
CDAS HL 130	AOPX045IGFX	AAPX045IGFX	-	AOPX045IGFX	-
CDAS HL 140	AOPX050IGFX	AAPX050IGFX	-	AOPX050IGFX	-
CDAS HL 150	AOPX050IGFX	AAPX050IGFX	-	AOPX050IGFX	-
CDAS HL 160	AOPX055JGFX	AAPX055JGFX	-	AOPX055JGFX	-
CDAS HL 170	AOPX055JGFX	AAPX055JGFX	-	AOPX055JGFX	-

CDAS High Flow Heatless Adsorption Dryers Technical Data

Part Numbers

Model	-20°C (-4°F) / -40°C (-40°F) PDP Desiccant Dryer Part Numbers
CDAS HL 100	CDASHL100-40G13BC
CDAS HL 110	CDASHL110-40G13BC
CDAS HL 120	CDASHL120-40G13BC
CDAS HL 130	CDASHL130-40G13BC
CDAS HL 140	CDASHL140-40G13BC
CDAS HL 150	CDASHL150-40G13BC
CDAS HL 160	CDASHL160-40G13BC
CDAS HL 170	CDASHL170-40G13BC

OFAS High Flow Heatless Adsorption Dryers Performance @ -20°C (-4°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
OFAS HL 100	⩽35	⩽95	81.6	311.7	366.8	422.2	478.8	532.6	587.6	641.5	705.0
	40	104		296.6	349.5	402.8	457.3	509.0	561.8	613.7	674.7
	45	113		263.4	311.7	360.3	410.0	457.2	505.4	552.7	608.4
	50	122		205.5	245.7	286.1	327.5	366.7	406.9	446.2	492.5
OFAS HL 110	⩽35	⩽95	122.4	467.5	550.1	633.2	718.3	798.9	881.4	962.3	1057.5
	40	104		444.8	524.3	604.2	685.9	763.4	842.8	920.6	1012.1
	45	113		395.1	467.5	540.4	615.0	685.7	758.1	829.1	912.6
	50	122		308.2	368.5	429.2	491.2	550.1	610.3	669.4	738.8
OFAS HL 120	⩽35	⩽95	153.0	584.4	687.7	791.6	897.8	998.6	1101.7	1202.9	1321.8
	40	104		556.1	655.3	755.2	857.4	954.3	1053.5	1150.8	1265.1
	45	113		493.9	584.4	675.6	768.8	857.2	947.6	1036.4	1140.7
	50	122		385.3	460.6	536.5	614.0	687.6	762.9	836.7	923.5
OFAS HL 130	⩽35	⩽95	204.0	779.2	916.9	1055.4	1197.1	1331.5	1469.0	1603.9	1762.5
	40	104		741.4	873.8	1007.0	1143.2	1272.4	1404.6	1534.3	1686.8
	45	113		658.5	779.2	900.7	1025.0	1142.9	1263.5	1381.9	1521.0
	50	122		513.7	614.2	715.3	818.7	916.8	1017.1	1115.6	1231.4
OFAS HL 140	⩽35	⩽95	255.0	974.0	1146.1	1319.3	1496.4	1664.3	1836.2	2004.8	2203.1
	40	104		926.8	1092.2	1258.7	1429.0	1590.5	1755.8	1917.9	2108.5
	45	113		823.1	974.0	1125.9	1281.3	1428.6	1579.4	1727.3	1901.2
	50	122		642.1	767.7	894.1	1023.4	1146.0	1271.4	1394.5	1539.2
OFAS HL 150	⩽35	⩽95	306.0	1168.8	1375.3	1583.1	1795.6	1997.2	2203.4	2405.8	2643.7
	40	104		1112.1	1310.7	1510.5	1714.8	1908.6	2106.9	2301.5	2530.2
	45	113		987.7	1168.8	1351.1	1537.6	1714.3	1895.3	2072.8	2281.4
	50	122		770.5	921.2	1072.9	1228.0	1375.2	1525.7	1673.4	1847.1
OFAS HL 160	⩽35	⩽95	357.0	1363.6	1604.5	1847.0	2094.9	2330.0	2570.7	2806.8	3084.3
	40	104		1297.5	1529.1	1762.2	2000.6	2226.7	2458.1	2685.1	2951.9
	45	113		1152.3	1363.6	1576.3	1793.8	2000.1	2211.1	2418.2	2661.7
	50	122		898.9	1074.8	1251.7	1432.7	1604.3	1780.0	1952.3	2154.9
OFAS HL 170	⩽35	⩽95	408.0	1558.5	1833.8	2110.8	2394.2	2662.9	2937.9	3207.7	3524.9
	40	104		1482.8	1747.5	2014.0	2286.4	2544.8	2809.2	3068.7	3373.6
	45	113		1317.0	1558.5	1801.5	2050.1	2285.8	2527.0	2763.7	3041.9
		122		1027.4	1228.3	1430.6	1637.4	1833.5	2034.3	2231.2	2462.7

OFAS High Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
OFAS HL 100	⩽35	⩽95	81.6	276.3	326.4	376.8	428.4	477.3	527.4	576.5	634.2
	40	104		262.5	310.7	359.2	408.8	455.8	503.9	551.2	606.7
	45	113		232.3	276.3	320.5	365.8	408.7	452.6	495.6	546.3
	50	122		179.6	216.2	253.0	290.7	326.4	362.9	398.7	440.9
OFAS HL 110	⩽35	⩽95	122.4	414.4	489.6	565.2	642.6	716.0	791.0	864.7	951.3
	40	104		393.8	466.1	538.8	613.2	683.7	755.9	826.7	910.0
	45	113		348.5	414.4	480.8	548.7	613.0	678.9	743.5	819.4
	50	122		269.5	324.3	379.5	436.0	489.5	544.3	598.1	661.3
OFAS HL 120	⩽35	⩽95	153.0	518.1	612.0	706.6	803.3	894.9	988.8	1080.9	1189.1
	40	104		492.2	582.6	673.5	766.5	854.6	944.9	1033.4	1137.5
	45	113		435.6	518.1	601.0	685.8	766.3	848.6	929.3	1024.3
	50	122		336.8	405.4	474.4	545.0	611.9	680.4	747.6	826.6
OFAS HL 130	⩽35	⩽95	204.0	690.7	816.0	942.1	1071.0	1193.3	1318.4	1441.2	1585.5
	40	104		656.3	776.8	898.0	1022.0	1139.5	1259.8	1377.9	1516.6
	45	113		580.9	690.7	801.3	914.4	1021.7	1131.4	1239.1	1365.7
	50	122		449.1	540.5	632.5	726.7	815.9	907.2	996.8	1102.2
OFAS HL 140	⩽35	⩽95	255.0	863.4	1020.0	1177.6	1338.8	1491.6	1648.0	1801.5	1981.8
	40	104		820.4	971.0	1122.5	1277.5	1424.4	1574.8	1722.4	1895.8
	45	113		726.1	863.4	1001.7	1143.0	1277.1	1414.3	1548.9	1707.1
	50	122		561.4	675.7	790.7	908.3	1019.9	1134.0	1246.1	1377.7
OFAS HL 150	⩽35	⩽95	306.0	1036.1	1224.0	1413.1	1606.5	1789.9	1977.6	2161.7	2378.2
	40	104		984.5	1165.2	1347.0	1532.9	1709.3	1889.8	2066.8	2275.0
	45	113		871.3	1036.1	1202.0	1371.6	1532.5	1697.1	1858.7	2048.6
	50	122		673.6	810.8	948.8	1090.0	1223.8	1360.8	1495.3	1653.3
OFAS HL 160	⩽35	⩽95	357.0	1208.8	1428.0	1648.6	1874.3	2088.2	2307.2	2522.0	2774.6
	40	104		1148.6	1359.3	1571.5	1788.4	1994.2	2204.7	2411.3	2654.1
	45	113		1016.5	1208.8	1402.3	1600.2	1787.9	1980.0	2168.5	2390.0
	50	122		785.9	945.9	1107.0	1271.6	1427.8	1587.7	1744.5	1928.8
OFAS HL 170	⩽35	⩽95	408.0	1381.5	1632.0	1884.1	2142.0	2386.5	2636.8	2882.3	3170.9
	40	104		1312.6	1553.5	1796.0	2043.9	2279.0	2519.7	2755.8	3033.3
	45	113		1161.7	1381.5	1602.6	1828.8	2043.3	2262.9	2478.2	2731.4
	50	122		898.2	1081.1	1265.1	1453.3	1631.8	1814.5	1993.7	2204.4

OFAS High Flow Heatless Adsorption Dryers Technical Data

Pipe Connections, Weights & Dimensions

Dryer Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OFAS HL 100	2" BSPP	1672	65.8	550	21.7	816	32.1	217	478
OFAS HL 110	2" BSPP	1672	65.8	550	21.7	987	38.9	277	611
OFAS HL 120	2½" BSPP	1917	75.5	550	21.7	987	38.9	372	820
OFAS HL 130	2½" BSPP	1917	75.5	550	21.7	1156	45.5	464	1023
OFAS HL 140	2½" BSPP	1917	75.5	550	21.7	1325	52.2	555	1224
OFAS HL 150	2½" BSPP	1917	75.5	550	21.7	1494	58.8	646	1424
OFAS HL 160	3" BSPP	1917	75.5	550	21.7	1663	65.5	739	1629
OFAS HL 170	3" BSPP	1917	75.5	550	21.7	1832	72.1	830	1830

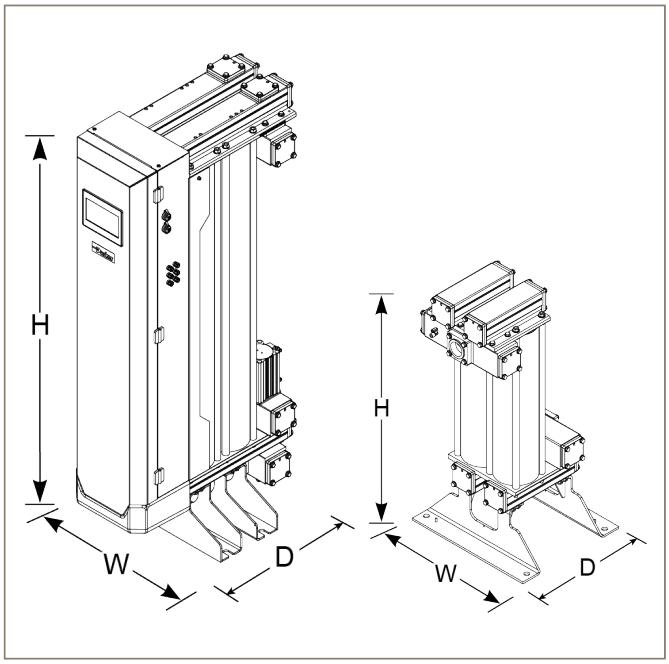
OVR Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OVRP350H	2" BSPP	1062	41.8	550	21.7	538	21.2	67	147
OVRP400H	2½" BSPP	1062	41.8	550	21.7	682	26.9	93	205
OVRP400I	2½" BSPP	1062	41.8	550	21.7	682	26.9	93	205
OVRP450I	2½" BSPP	1062	41.8	550	21.7	836	32.9	121	267
OVRP500J	2½" BSPP	1062	41.8	550	21.7	1005	39.6	144	318

Dryer Performance

ISO8573-1:2010 Classification	-20˚C PDP	-4˚F PDP
	Class 2.3.0	
	-40˚C PDP	-40˚F PDP
	Class 2.2.0	

Operation Parameters

Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	



OFAS High Flow Heatless Adsorption Dryers Technical Data

Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
OFAS HL 100	AOPX040HGFX	AAPX040HGFX	OVRP350HGXX	AOPX040HGFX	-
OFAS HL 110	AOPX040HGFX	AAPX040HGFX	OVRP400HGXX	AOPX040HGFX	-
OFAS HL 120	AOPX045IGFX	AAPX045IGFX	OVRP400IGXX	AOPX045IGFX	-
OFAS HL 130	AOPX045IGFX	AAPX045IGFX	OVRP400IGXX	AOPX045IGFX	-
OFAS HL 140	AOPX050IGFX	AAPX050IGFX	OVRP450IGXX	AOPX050IGFX	-
OFAS HL 150	AOPX050IGFX	AAPX050IGFX	OVRP450IGXX	AOPX050IGFX	-
OFAS HL 160	AOPX055JGFX	AAPX055JGFX	OVRP500JGXX	AOPX055JGFX	-
OFAS HL 170	AOPX055JGFX	AAPX055JGFX	OVRP500JGXX	AOPX055JGFX	-

Part Numbers

Model	-20°C (-4°F) / -40°C (-40°F) PDP Desiccant Dryer Part Numbers
OFAS HL 100	OFASHL100-40G13BC
OFAS HL 110	OFASHL110-40G13BC
OFAS HL 120	OFASHL120-40G13BC
OFAS HL 130	OFASHL130-40G13BC
OFAS HL 140	OFASHL140-40G13BC
OFAS HL 150	OFASHL150-40G13BC
OFAS HL 160	OFASHL160-40G13BC
OFAS HL 170	OFASHL170-40G13BC

FBP High Flow Heatless Adsorption Dryers Performance @ -40°C (-40°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
FBP HL 100	⩽35	⩽95	81.6	276.3	326.4	376.8	428.4	477.3	527.4	576.5	634.2
	40	104		262.5	310.7	359.2	408.8	455.8	503.9	551.2	606.7
	45	113		232.3	276.3	320.5	365.8	408.7	452.6	495.6	546.3
	50	122		179.6	216.2	253.0	290.7	326.4	362.9	398.7	440.9
FBP HL 110	⩽35	⩽95	122.4	414.4	489.6	565.2	642.6	716.0	791.0	864.7	951.3
	40	104		393.8	466.1	538.8	613.2	683.7	755.9	826.7	910.0
	45	113		348.5	414.4	480.8	548.7	613.0	678.9	743.5	819.4
	50	122		269.5	324.3	379.5	436.0	489.5	544.3	598.1	661.3
FBP HL 120	⩽35	⩽95	153.0	518.1	612.0	706.6	803.3	894.9	988.8	1080.9	1189.1
	40	104		492.2	582.6	673.5	766.5	854.6	944.9	1033.4	1137.5
	45	113		435.6	518.1	601.0	685.8	766.3	848.6	929.3	1024.3
	50	122		336.8	405.4	474.4	545.0	611.9	680.4	747.6	826.6
FBP HL 130	⩽35	⩽95	204.0	690.7	816.0	942.1	1071.0	1193.3	1318.4	1441.2	1585.5
	40	104		656.3	776.8	898.0	1022.0	1139.5	1259.8	1377.9	1516.6
	45	113		580.9	690.7	801.3	914.4	1021.7	1131.4	1239.1	1365.7
	50	122		449.1	540.5	632.5	726.7	815.9	907.2	996.8	1102.2
FBP HL 140	⩽35	⩽95	255.0	863.4	1020.0	1177.6	1338.8	1491.6	1648.0	1801.5	1981.8
	40	104		820.4	971.0	1122.5	1277.5	1424.4	1574.8	1722.4	1895.8
	45	113		726.1	863.4	1001.7	1143.0	1277.1	1414.3	1548.9	1707.1
	50	122		561.4	675.7	790.7	908.3	1019.9	1134.0	1246.1	1377.7
FBP HL 150	⩽35	⩽95	306.0	1036.1	1224.0	1413.1	1606.5	1789.9	1977.6	2161.7	2378.2
	40	104		984.5	1165.2	1347.0	1532.9	1709.3	1889.8	2066.8	2275.0
	45	113		871.3	1036.1	1202.0	1371.6	1532.5	1697.1	1858.7	2048.6
	50	122		673.6	810.8	948.8	1090.0	1223.8	1360.8	1495.3	1653.3
FBP HL 160	⩽35	⩽95	357.0	1208.8	1428.0	1648.6	1874.3	2088.2	2307.2	2522.0	2774.6
	40	104		1148.6	1359.3	1571.5	1788.4	1994.2	2204.7	2411.3	2654.1
	45	113		1016.5	1208.8	1402.3	1600.2	1787.9	1980.0	2168.5	2390.0
	50	122		785.9	945.9	1107.0	1271.6	1427.8	1587.7	1744.5	1928.8
FBP HL 170	⩽35	⩽95	408.0	1381.5	1632.0	1884.1	2142.0	2386.5	2636.8	2882.3	3170.9
	40	104		1312.6	1553.5	1796.0	2043.9	2279.0	2519.7	2755.8	3033.3
	45	113		1161.7	1381.5	1602.6	1828.8	2043.3	2262.9	2478.2	2731.4
		122		898.2	1081.1	1265.1	1453.3	1631.8	1814.5	1993.7	2204.4

FBP High Flow Heatless Adsorption Dryers Performance @ -70°C (-94°F) Dewpoint

Outlet Flow Rates

Model	Inlet Temperature		Purge (m^3/hr)	Outlet Flow (m^3/hr)							
				6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)
	°C	°F		87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)
FBP HL 100	⩽35	⩽95		168.7	203.7	239.0	275.0	309.2	344.2	378.6	419.0
	40	104		159.1	192.7	226.6	261.3	294.2	327.9	360.9	399.7
	45	113		137.9	168.7	199.6	231.2	261.2	291.9	322.1	357.5
	50	122		101.1	126.7	152.4	178.7	203.7	229.2	254.3	283.8
FBP HL 110	⩽35	⩽95		253.0	305.6	358.5	412.6	463.9	516.4	567.9	628.4
	40	104		238.6	289.1	340.0	392.0	441.3	491.8	541.3	599.6
	45	113		206.9	253.0	299.4	346.9	391.9	437.9	483.1	536.2
	50	122		151.6	190.0	228.6	268.1	305.5	343.9	381.5	425.6
FBP HL 120	⩽35	⩽95		316.3	382.0	448.1	515.7	579.8	645.5	709.8	785.5
	40	104		298.2	361.4	425.0	490.0	551.6	614.7	676.7	749.4
	45	113		258.6	316.3	374.3	433.6	489.8	547.4	603.9	670.3
	50	122		189.5	237.5	285.7	335.1	381.9	429.8	476.8	532.1
FBP HL 130	⩽35	⩽95		421.7	509.3	597.4	687.6	773.1	860.6	946.5	1047.4
	40	104		397.6	481.9	566.6	653.3	735.5	819.7	902.2	999.3
	45	113		344.9	421.7	499.0	578.1	653.1	729.9	805.2	893.7
	50	122		252.7	316.6	381.0	446.8	509.2	573.1	635.8	709.4
FBP HL 140	⩽35	⩽95		527.1	636.6	746.8	859.5	966.4	1075.8	1183.1	1309.2
	40	104		497.0	602.3	708.3	816.6	919.4	1024.6	1127.8	1249.1
	45	113		431.1	527.1	623.8	722.6	816.4	912.3	1006.5	1117.1
	50	122		315.9	395.8	476.2	558.5	636.5	716.4	794.7	886.8
FBP HL 150	⩽35	⩽95		632.5	763.9	896.2	1031.4	1159.7	1290.9	1419.7	1571.1
	40	104		596.4	722.8	849.9	980.0	1103.3	1229.5	1353.3	1498.9
	45	113		517.3	632.5	748.5	867.2	979.7	1094.8	1207.8	1340.6
	50	122		379.1	475.0	571.5	670.2	763.8	859.6	953.6	1064.1
FBP HL 160	⩽35	⩽95		738.0	891.3	1045.5	1203.3	1352.9	1506.1	1656.3	1832.9
	40	104		695.8	843.2	991.6	1143.3	1287.2	1434.4	1578.9	1748.7
	45	113		603.5	738.0	873.3	1011.7	1142.9	1277.3	1409.1	1564.0
	50	122		442.2	554.1	666.7	781.9	891.1	1002.9	1112.6	1241.5
FBP HL 170	⩽35	⩽95		843.4	1018.6	1194.9	1375.2	1546.2	1721.2	1892.9	2094.8
	40	104		795.3	963.7	1133.2	1306.6	1471.0	1639.3	1804.4	1998.5
	45	113		689.7	843.4	998.0	1156.2	1306.2	1459.7	1610.4	1787.4
	50	122		505.4	633.3	762.0	893.6	1018.4	1146.2	1271.5	1418.8

FBP High Flow Heatless Adsorption Dryers Technical Data

Pipe Connections, Weights & Dimensions

Dryer Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
FBP HL 100	2" BSPP	1672	65.8	550	21.7	816	32.1	217	478
FBP HL 110	2" BSPP	1672	65.8	550	21.7	987	38.9	277	611
FBP HL 120	2½" BSPP	1917	75.5	550	21.7	987	38.9	372	820
FBP HL 130	2½" BSPP	1917	75.5	550	21.7	1156	45.5	464	1023
FBP HL 140	2½" BSPP	1917	75.5	550	21.7	1325	52.2	555	1224
FBP HL 150	2½" BSPP	1917	75.5	550	21.7	1494	58.8	646	1424
FBP HL 160	3" BSPP	1917	75.5	550	21.7	1663	65.5	739	1629
FBP HL 170	3" BSPP	1917	75.5	550	21.7	1832	72.1	830	1830

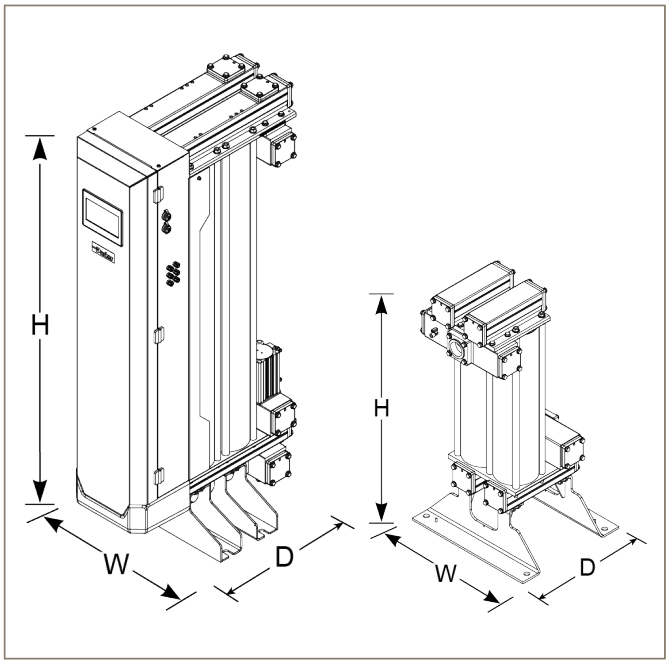
OVR Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OVRP350H	2" BSPP	1062	41.8	550	21.7	538	21.2	67	147
OVRP400I	2½" BSPP	1062	41.8	550	21.7	682	26.9	93	205
OVRP400I	2½" BSPP	1062	41.8	550	21.7	682	26.9	93	205
OVRP450I	2½" BSPP	1062	41.8	550	21.7	836	32.9	121	267
OVRP500J	2½" BSPP	1062	41.8	550	21.7	1005	39.6	144	318

Dryer Performance

ISO8573-1:2010 Classification	-40˚C PDP	-40˚F PDP
	Class 1.2.0	
	-70˚C PDP	-94˚F PDP
	Class 1.1.0	

Operation Parameters

Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F
Supply Voltage	100-240V AC (±10%) 50/60Hz	
Optional Supply Voltage	24V DC	
Power Consumption	35W	
Noise	<75 dB (A)	



FBP High Flow Heatless Adsorption Dryers Technical Data

Included Filtration

Model	Dryer Inlet		Dryer Outlet		
	General Purpose Pre-filter	High Efficiency Filter	Oil Vapour Reduction Filter	General Purpose Dry Particulate Filter	High Efficiency Dry Particulate Filter
FBP HL 100	AOPX040HGFX	AAPX040HGFX	OVRP350HGXX	AOPX040HGFX	AAPX040HGFX
FBP HL 110	AOPX040HGFX	AAPX040HGFX	OVRP400HGXX	AOPX040HGFX	AAPX040HGFX
FBP HL 120	AOPX045IGFX	AAPX045IGFX	OVRP400IGXX	AOPX045IGFX	AAPX045IGFX
FBP HL 130	AOPX045IGFX	AAPX045IGFX	OVRP400IGXX	AOPX045IGFX	AAPX045IGFX
FBP HL 140	AOPX050IGFX	AAPX050IGFX	OVRP450IGXX	AOPX050IGFX	AAPX050IGFX
FBP HL 150	AOPX050IGFX	AAPX050IGFX	OVRP450IGXX	AOPX050IGFX	AAPX050IGFX
FBP HL 160	AOPX055JGFX	AAPX055JGFX	OVRP500JGXX	AOPX055JGFX	AAPX055JGFX
FBP HL 170	AOPX055JGFX	AAPX055JGFX	OVRP500JGXX	AOPX055JGFX	AAPX055JGFX

Part Numbers

Model	-40°C (-40°F) PDP Desiccant Dryer Part Numbers	-70°C (-94°F) PDP Desiccant Dryer Part Numbers
FBP HL 100	FBPHL100-40G13BC	FBPHL100-70G13BC
FBP HL 110	FBPHL110-40G13BC	FBPHL110-70G13BC
FBP HL 120	FBPHL120-40G13BC	FBPHL120-70G13BC
FBP HL 130	FBPHL130-40G13BC	FBPHL130-70G13BC
FBP HL 140	FBPHL140-40G13BC	FBPHL140-70G13BC
FBP HL 150	FBPHL150-40G13BC	FBPHL150-70G13BC
FBP HL 160	FBPHL160-40G13BC	FBPHL160-70G13BC
FBP HL 170	FBPHL170-40G13BC	FBPHL170-70G13BC

PRE-TREATMENT SELECTION (OIL VAPOUR REDUCTION)

OIL-X OVR Plant Scale Oil Vapour Reduction Oil Lubricated Compressor Performance

Outlet Flow Rates

Model	Inlet Temperature		Outlet Flow (m^3/hr)								
			6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
OVRP300	⩽35	⩽95	357.9	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0
	40	104	286.3	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4
	45	113	230.9	263.2	263.2	263.2	263.2	263.2	263.2	263.2	263.2
	50	122	188.4	214.7	214.7	214.7	214.7	214.7	214.7	214.7	214.7
OVRP350	⩽35	⩽95	536.8	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0
	40	104	429.5	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6
	45	113	346.3	394.8	394.8	394.8	394.8	394.8	394.8	394.8	394.8
	50	122	282.5	322.1	322.1	322.1	322.1	322.1	322.1	322.1	322.1
OVRP400	⩽35	⩽95	671.1	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
	40	104	536.8	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0
	45	113	432.9	493.5	493.5	493.5	493.5	493.5	493.5	493.5	493.5
	50	122	353.2	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6
OVRP450	⩽35	⩽95	894.7	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
	40	104	715.8	816.0	816.0	816.0	816.0	816.0	816.0	816.0	816.0
	45	113	577.2	658.1	658.1	658.1	658.1	658.1	658.1	658.1	658.1
	50	122	470.9	536.8	536.8	536.8	536.8	536.8	536.8	536.8	536.8
OVRP500	⩽35	⩽95	1118.4	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0
	40	104	894.7	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
	45	113	721.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6	822.6
	50	122	588.6	671.1	671.1	671.1	671.1	671.1	671.1	671.1	671.1
OVRP550	⩽35	⩽95	1342.1	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0
	40	104	1073.7	1224.0	1224.0	1224.0	1224.0	1224.0	1224.0	1224.0	1224.0
	45	113	865.9	987.1	987.1	987.1	987.1	987.1	987.1	987.1	987.1
	50	122	706.4	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3

Inlet Vapour Content Correction Factors

Inlet Vapour Concentration (mg/m3)	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	5.0
Correction Factor	1	2	4	6	8	10	12	14	16	18	20	40	60	80	100

OIL-X OVR Plant Scale Oil Vapour Reduction Oil-free Compressor Performance

Outlet Flow Rates

Model	Inlet Temperature		Outlet Flow (m^3/hr)								
			6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	°C	°F	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
OVRP300	⩽35	⩽95	357.9	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0
	40	104	350.9	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0
	45	113	344.1	392.3	392.3	392.3	392.3	392.3	392.3	392.3	392.3
	50	122	340.9	388.6	388.6	388.6	388.6	388.6	388.6	388.6	388.6
OVRP350	⩽35	⩽95	536.8	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0
	40	104	526.3	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0
	45	113	516.2	588.5	588.5	588.5	588.5	588.5	588.5	588.5	588.5
	50	122	511.3	582.9	582.9	582.9	582.9	582.9	582.9	582.9	582.9
OVRP400	⩽35	⩽95	671.1	765.0	765.0	765.0	765.0	765.0	765.0	765.0	765.0
	40	104	657.9	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0
	45	113	645.2	735.6	735.6	735.6	735.6	735.6	735.6	735.6	735.6
	50	122	639.1	728.6	728.6	728.6	728.6	728.6	728.6	728.6	728.6
OVRP450	⩽35	⩽95	894.7	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0	1020.0
	40	104	877.2	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0	1000.0
	45	113	860.3	980.8	980.8	980.8	980.8	980.8	980.8	980.8	980.8
	50	122	852.1	971.4	971.4	971.4	971.4	971.4	971.4	971.4	971.4
OVRP500	⩽35	⩽95	1118.4	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0	1275.0
	40	104	1096.5	1250.0	1250.0	1250.0	1250.0	1250.0	1250.0	1250.0	1250.0
	45	113	1075.4	1226.0	1226.0	1226.0	1226.0	1226.0	1226.0	1226.0	1226.0
	50	122	1065.2	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3	1214.3
OVRP550	⩽35	⩽95	1342.1	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0	1530.0
	40	104	1315.8	1500.0	1500.0	1500.0	1500.0	1500.0	1500.0	1500.0	1500.0
	45	113	1290.5	1471.2	1471.2	1471.2	1471.2	1471.2	1471.2	1471.2	1471.2
	50	122	1278.2	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1	1457.1

Inlet Vapour Content Correction Factors

Inlet Vapour Concentration (mg/m3)	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	5.0
Correction Factor	1	2	4	6	8	10	12	14	16	18	20	40	60	80	100

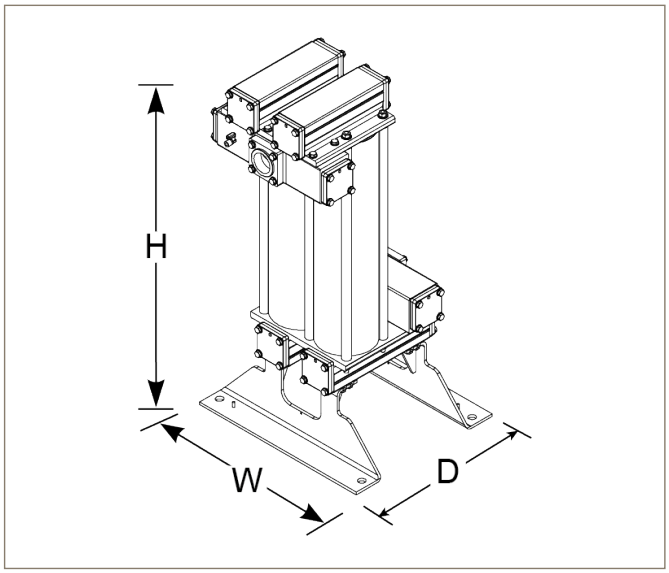
OIL-X OVR Plant Scale Oil Vapour Reduction Technical Data

Pipe Connections, Weights & Dimensions

OVR Model	Pipe Connection	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
OVRP300	2" BSPP	998	39.3	350	13.8	534	21.0	38	84
OVRP350	2" BSPP	1062	41.8	550	21.7	538	21.2	67	147
OVRP400	2½" BSPP	1062	41.8	550	21.7	682	26.9	93	205
OVRP450	2½" BSPP	1062	41.8	550	21.7	836	32.9	121	267
OVRP500	2½" BSPP	1062	41.8	550	21.7	1005	39.6	144	318
OVRP550	2½" BSPP	1062	41.8	550	21.7	1174	46.2	171	377

Operation Parameters

Minimum Operating Pressure	1.0 bar(g)	14.5 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Recommended Operating Temp.	20.0˚C	168.0˚F



Differential Pressure (OVR Only)

Differential Pressure @ % Flow	mbar	psi
100% Rated Flow	350	5.1
75% Rated Flow	198	2.9
50% Rated Flow	46	0.7
25% Rated Flow	11	0.2

Part Numbers

Model	Part Numbers
OVRP300	OVRP300HGXX
OVRP350	OVRP350HGXX
OVRP400	OVRP400HGXX
OVRP450	OVRP450IGXX
OVRP500	OVRP500IGXX
OVRP550	OVRP550IGXX

PRE-TREATMENT SELECTION (LIQUID SEPARATORS)

OIL-X Liquid Separators Technical Data

Flow Rates

Model / Part Number	Flow (m^3/hr)								
	6 bar(g)	7 bar(g)	8 bar(g)	9 bar(g)	10 bar(g)	11 bar(g)	12 bar(g)	13 bar(g)	14 bar(g)
	87 psi(g)	101 psi(g)	116 psi(g)	131 psi(g)	145 psi(g)	160 psi(g)	174 psi(g)	189 psi(g)	203 psi(g)
WSPX010AGFX	31.6	36.0	38.3	40.4	42.4	43.9	45.6	47.4	49.3
WSPX010BGFX	31.6	36.0	38.3	40.4	42.4	43.9	45.6	47.4	49.3
WSPX010CGFX	31.6	36.0	38.3	40.4	42.4	43.9	45.6	47.4	49.3
WSPX015BGFX	126.3	144.0	153.2	161.8	169.4	175.6	182.3	189.5	197.3
WSPX015CGFX	126.3	144.0	153.2	161.8	169.4	175.6	182.3	189.5	197.3
WSPX020DGFX	126.3	144.0	153.2	161.8	169.4	175.6	182.3	189.5	197.3
WSPX025DGFX	347.4	396.0	421.3	444.9	465.9	482.9	501.3	521.1	542.5
WSPX025EGFX	347.4	396.0	421.3	444.9	465.9	482.9	501.3	521.1	542.5
WSPX030GGFX	347.4	396.0	421.3	444.9	465.9	482.9	501.3	521.1	542.5
WSPX035GGFX	1105.3	1260.0	1340.4	1415.7	1482.4	1536.6	1594.9	1657.9	1726.0
WSPX040HGFX	1105.3	1260.0	1340.4	1415.7	1482.4	1536.6	1594.9	1657.9	1726.0
WSPX045IGFX	1105.3	1260.0	1340.4	1415.7	1482.4	1536.6	1594.9	1657.9	1726.0
WSPX050IGFX	2526.3	2880.0	3063.8	3236.0	3388.2	3512.2	3645.6	3789.5	3945.2
WSPX055JGFX	2526.3	2880.0	3063.8	3236.0	3388.2	3512.2	3645.6	3789.5	3945.2

Pipe Connections, Weights & Dimensions

Model / Part Number	Pipe Connections	Height		Width		Depth		Weight	
		mm	ins	mm	ins	mm	ins	kg	lbs
WSPX010AGFX	¼" BSPP	180	7.1	76	3.0	65	2.6	0.8	1.8
WSPX010BGFX	⅜" BSPP	180	7.1	76	3.0	65	2.6	0.8	1.8
WSPX010CGFX	½" BSPP	180	7.1	76	3.0	65	2.6	0.8	1.8
WSPX015BGFX	⅜" BSPP	238	9.4	89	3.5	84	3.3	1.4	3.1
WSPX015CGFX	½" BSPP	238	9.4	89	3.5	84	3.3	1.4	3.1
WSPX020DGFX	¾" BSPP	238	9.4	89	3.5	84	3.3	1.4	3.1
WSPX025DGFX	¾" BSPP	277	10.9	120	4.7	115	4.5	2.7	5.9
WSPX025EGFX	1" BSPP	277	10.9	120	4.7	115	4.5	2.7	5.9
WSPX030GGFX	1½" BSPP	277	10.9	120	4.7	115	4.5	2.7	5.9
WSPX035GGFX	1½" BSPP	440	17.3	164	6.5	157	6.2	6.9	15.1
WSPX040HGFX	2" BSPP	440	17.3	164	6.5	157	6.2	6.9	15.1
WSPX045IGFX	2½" BSPP	440	17.3	164	6.5	157	6.2	6.9	15.1
WSPX050IGFX	2½" BSPP	614	24.2	192	7.6	183	7.2	8.5	18.7
WSPX055JGFX	3" BSPP	515	20.3	192	7.6	183	7.2	8.5	18.7

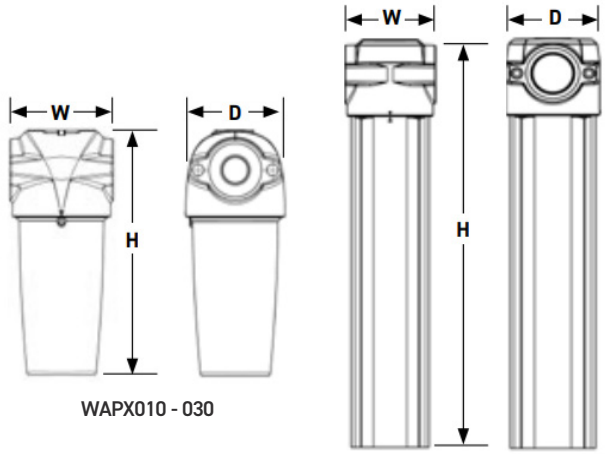
OIL-X Liquid Separators Technical Data

Differential Pressure Under Initial Saturation

Model / Part Number	100% Rated Flow		75% Rated Flow		50% Rated Flow		25% Rated Flow	
	mbar	psi	mbar	psi	mbar	psi	mbar	psi
WSPX010AGFX	53	0.7	29	0.4	14	0.2	4	0.1
WSPX010BGFX	51	0.7	27	0.4	12	0.2	2	0.0
WSPX010CGFX	48	0.7	25	0.4	10	0.1	0	0.0
WSPX015BGFX	64	0.9	25	0.4	12	0.2	6	0.1
WSPX015CGFX	55	0.8	22	0.3	10	0.1	4	0.1
WSPX020DGFX	42	0.6	22	0.3	7	0.1	2	0.0
WSPX025DGFX	98	1.4	55	0.8	23	0.3	4	0.1
WSPX025EGFX	95	1.4	52	0.8	20	0.3	1	0.0
WSPX030GGFX	82	1.2	30	0.4	13	0.2	4	0.4
WSPX035GGFX	57	0.8	24	0.3	5	0.1	5	0.4
WSPX040HGFX	52	0.8	19	0.3	0	0.0	0	0.0
WSPX045IGFX	55	0.8	22	0.3	3	0.0	1	0.0
WSPX050IGFX	116	1.7	57	0.8	16	0.2	5	0.1
WSPX055JGFX	111	1.6	52	0.8	11	0.2	0	0.0

Operation Parameters

Minimum Operating Pressure	1.5 bar(g)	22.0 psi(g)
Maximum Operating Pressure	16.0 bar(g)	232.0 psi(g)
Minimum Operating Temperature	2.0˚C	35.0˚F
Maximum Operating Temperature	65.0˚C	149.0˚F



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WAPX035 - 055

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