



## PCO2 Maxi

20.7 bar g (300 psi g) / 24.1 bar g (350 psi g)

User Guide

EN Original Language

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



ENGINEERING YOUR SUCCESS.

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<b>1</b>	<b>Safety Information</b>	<b>1</b>
1.1	Markings and Symbols	2
<b>2</b>	<b>Description</b>	<b>3</b>
2.1	Technical Specification	3
2.2	Weights and Dimensions	4
2.3	Receiving and Inspecting the Equipment	5
2.3.1	Storage	5
2.3.2	Unpacking	5
2.3.3	Overview of the Equipment	6
<b>3</b>	<b>Installation &amp; Commissioning</b>	<b>7</b>
3.1	Recommended system layout	7
<b>4</b>	<b>Operating the Equipment</b>	<b>9</b>
4.1	Starting the Equipment	9
<b>5</b>	<b>Servicing</b>	<b>10</b>
5.1	Cleaning	10
5.2	Service Intervals	10
5.3	Preventative Maintenance Kits - Maxi & Maxiplus	11

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# 1 Safety Information

**Do not operate this equipment until the safety information and instructions in this user guide have been read and understood by all personnel concerned.**

## **USER RESPONSIBILITY**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorised distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyse all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalogue and in any other materials provided from Parker or its subsidiaries or authorised distributors.

To the extent that Parker or its subsidiaries or authorised distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Only competent personnel trained, qualified, and approved by Parker Hannifin should perform installation, commissioning, service and repair procedures.

This equipment is for indoor use only. Do not operate outdoors.

With the exception of oxygen, any gas can cause asphyxiation in high enough concentrations. Always ensure that the unit is operated in a well ventilated area and all of the vent ports on the rear of the unit are kept clear and free from blockages.

Use of the equipment in a manner not specified within this user guide may result in an unplanned release of pressure, which may cause serious personal injury or damage.

When handling, installing or operating this equipment, personnel must employ safe engineering practices and observe all related regulations, health & safety procedures, and legal requirements for safety.

Ensure that the equipment is depressurised and electrically isolated, prior to carrying out any of the scheduled maintenance instructions specified within this user guide.

Parker Hannifin can not anticipate every possible circumstance which may represent a potential hazard. The warnings in this manual cover the most known potential hazards, but by definition can not be all-inclusive. If the user employs an operating procedure, item of equipment or a method of working which is not specifically recommended by Parker Hannifin the user must ensure that the equipment will not be damaged or become hazardous to persons or property.

Most accidents that occur during the operation and maintenance of machinery are the result of failure to observe basic safety rules and procedures. Accidents can be avoided by recognising that any machinery is potentially hazardous.

Should you require an extended warranty, tailored service contracts or training on this equipment, or any other equipment within the Parker Hannifin range, please contact your local Parker Hannifin office.

Details of your nearest Parker Hannifin sales office can be found at [www.domnickhunter.com](http://www.domnickhunter.com)

Retain this user guide for future reference.







## **Related Documents:**

- Preventative Maintenance Guide 176034370
- Parts Manual 176034380
- Service Guide 176034390  
(Only available on completion of the relevant Pdh level 2 training course. Please email [training.support@parker.com](mailto:training.support@parker.com) for details on all Pdh Industrial training courses).

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## 1.1 Markings and Symbols

The following markings and international symbols are used on the equipment or within this manual:

	Caution, Read the User manual.	 Warning	Highlights actions or procedures which, if not performed correctly, could lead to electric shock.
 Warning	Highlights actions or procedures which, if not performed correctly, may lead to personal injury or death.		When disposing of old parts always follow local waste disposal regulations.
 Caution	Highlights actions or procedures which, if not performed correctly, may lead to damage to this product.		Conformité Européenne

## 2 Description

The Parker domnick hunter PCO2 carbon dioxide polishing systems offer a comprehensive solution to preserve and guarantee the quality of gaseous carbon dioxide used in sparkling beverage bottling.

Using multi-layer gas polishing technology, the PCO2 range includes Maxi PCO2 and Mplus PCO2 for plant scale protection in addition to smaller systems designed for fountain / post mix and beer dispense applications respectively.

Operating as a vapour 'polisher' to remove a wide range of potential carbon dioxide impurities, the system guarantees the gas quality so it remains within industry and company guidelines, preventing detrimental consequences to the finished end beverage, producers reputation and their bottom-line.

PCO2 is the beverage industry preferred choice and is installed in over 150 countries worldwide.

### 2.1 Technical Specification

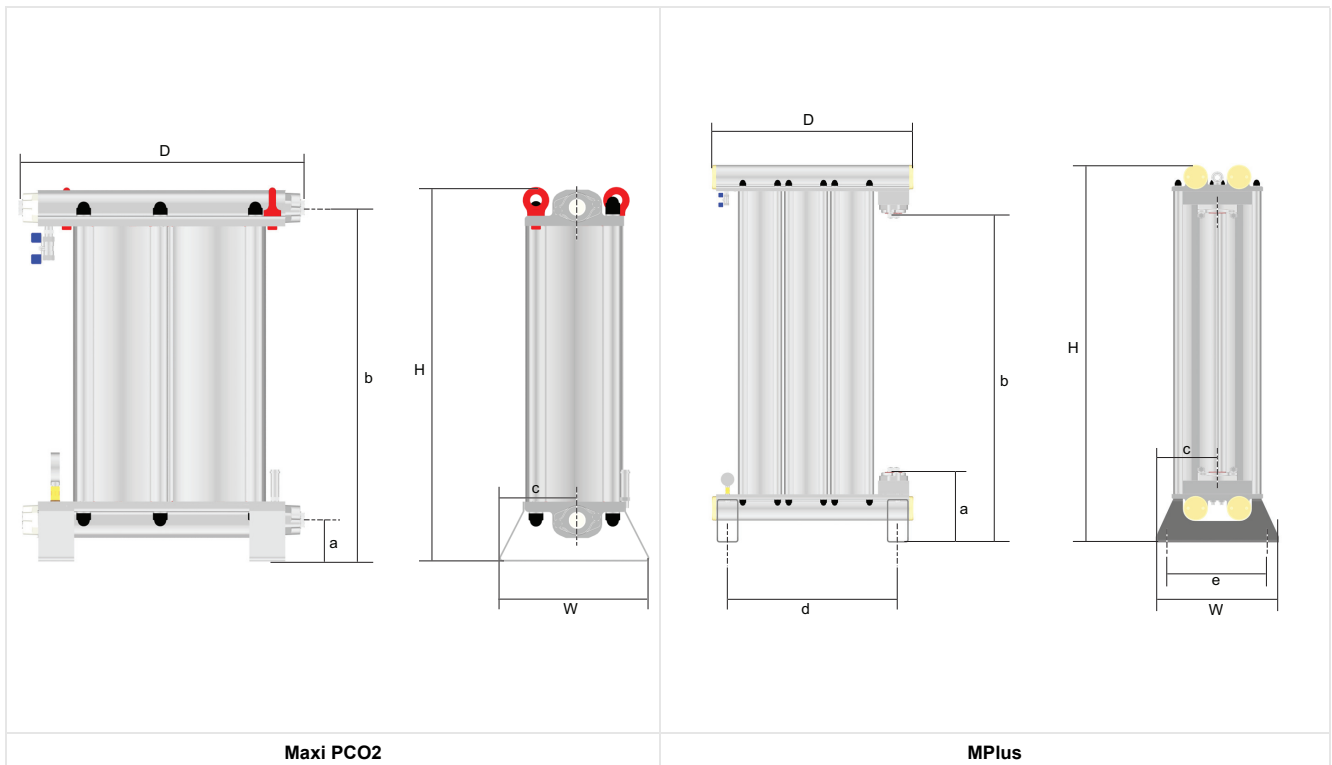
This specification is valid when the equipment is located, installed, operated, and maintained as specified within this user guide.

Parameter	Units	Maxi PCO2 - 0	Maxi PCO2 - 1	Maxi PCO2 - 2	Maxi PCO2 - 3	MPlus PCO2 4000	MPlus PCO2 6000	MPlus PCO2 8000	MPlus PCO2 10000
<b>Technical Data</b>									
Maximum Operating Pressure	bar g (psi g)	20.7 (24.1 optional) 300 (350 optional)				20.7 (24.1 optional) 300 (350 optional)			
Minimum Operating Temperature	°C (°F)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)	-20 (-4)
Maximum Operating Temperature	°C (°F)	40 (104)	40 (104)	40 (104)	40 (104)	40 (104)	40 (104)	40 (104)	40 (104)
Inlet CO <sub>2</sub> Quality		ISBT beverage grade CO <sub>2</sub>							
<b>Flowrate</b>									
	Kg / hr	150	300	600	900	1814	2722	3629	4537
	Lb / hr	330	661	1322	1980	4000	6000	8000	10000
<b>Port Connections</b>									
Air Inlet	in	G1	G1	G1	G1	G2**	G2**	G2 1/2**	G3**
Air Outlet	in	G1	G1	G1	G1	G2**	G2**	G2 1/2**	G3**

\* PCO2 CO<sub>2</sub> Polishers are for gaseous CO<sub>2</sub> only

\*\* 24.1 bar g (350 psi g) versions are all 2" connections

## 2.2 Weights and Dimensions



Model	Height (H)		Width (W)		Depth (D)		(a)		(b)		(c)		(d)		(e)		Clearance*		Weight	
	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	mm	ins	kg	lbs
PCO2 - 0	615	24.2	250	9.8	322	12.7	69	2.7	591	23.3	125	4.9	N/A	N/A	N/A	N/A	510	20.0	32	70
PCO2 - 1	621	24.5	250	9.8	464	18.3	69	2.7	591	23.3	125	4.9	N/A	N/A	N/A	N/A	510	20.0	48	106
PCO2 - 2	621	24.5	250	9.8	788	31.0	69	2.7	591	23.3	125	4.9	N/A	N/A	N/A	N/A	510	20.0	92	203
PCO2 - 3	621	24.5	250	9.8	1113	43.8	69	2.7	591	23.3	125	4.9	N/A	N/A	N/A	N/A	510	20.0	130	287
MPlus 4000	1390	54.7	450	17.7	741	29.2	257.5	10.1	1212.5	47.7	225	8.9	680	26.8	400	15.7	1155	45.5	270	596
MPlus 6000	1390	54.7	450	17.7	910	35.8	257.5	10.1	1212.5	47.7	225	8.9	795	31.3	400	15.7	1155	45.5	348	768
MPlus 8000	1390	54.7	450	17.7	1079	42.5	257.5	10.1	1212.5	47.7	225	8.9	964	38.0	400	15.7	1155	45.5	434	955
MPlus 10000	1390	54.7	450	17.7	1270	50.0	257.5	10.1	1212.5	47.7	225	8.9	1155	45.5	400	15.7	1155	45.5	518	1140

\*Clearance required for the removal and servicing of the cartridges.

## 2.3 Receiving and Inspecting the Equipment

On receipt of the equipment carefully inspect the packaging for damage. If the packaging is damaged inform the delivery company immediately and contact your local Parker Hannifin office.

### 2.3.1 Storage

If the equipment is to be stored prior to installation, do not remove it from the packaging. Ensure that it is stored in an upright position as indicated by the arrows on the packaging.



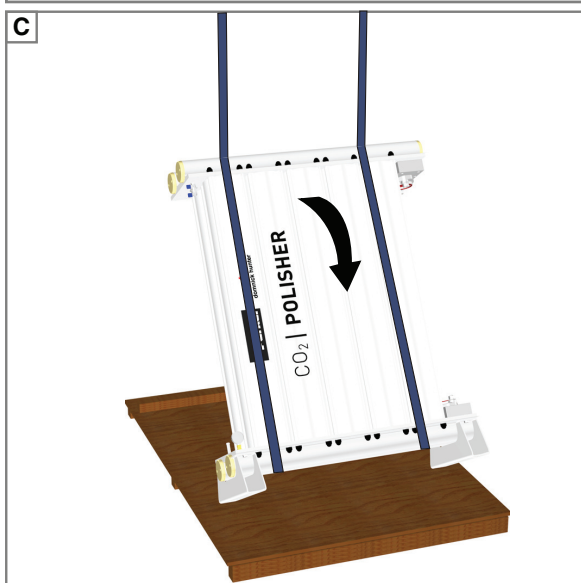
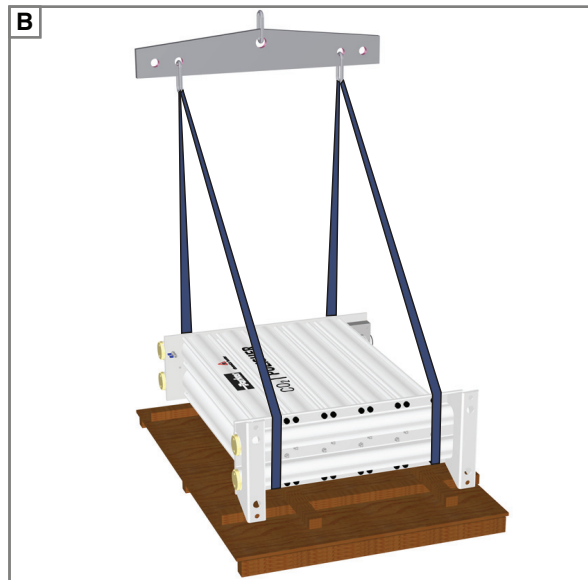
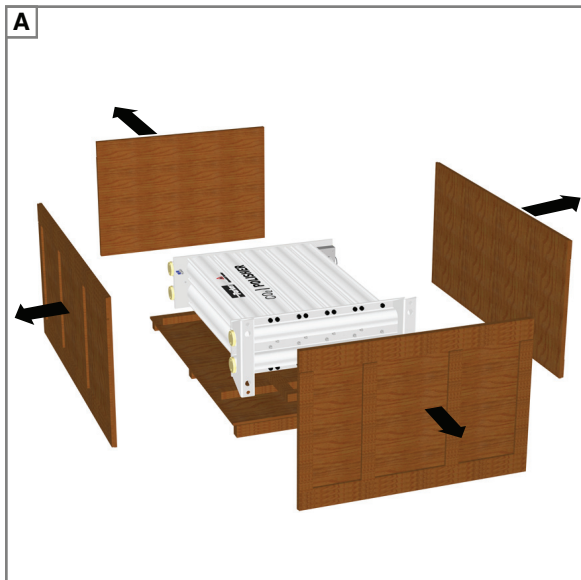
**Do not attempt to lift the equipment by yourself. It is recommended that the equipment be carried by a minimum of two persons or transported on a pallet truck.**

**Note.** The storage area should be secure and the environmental conditions should fall within those specified in the technical specification. If the equipment is stored in an area where the environmental conditions fall outside of those specified, it is essential that it be moved to its final location (installation site) and left to stabilise prior to unpacking. Failure to do this could cause condensing humidity and potential failure of the equipment.

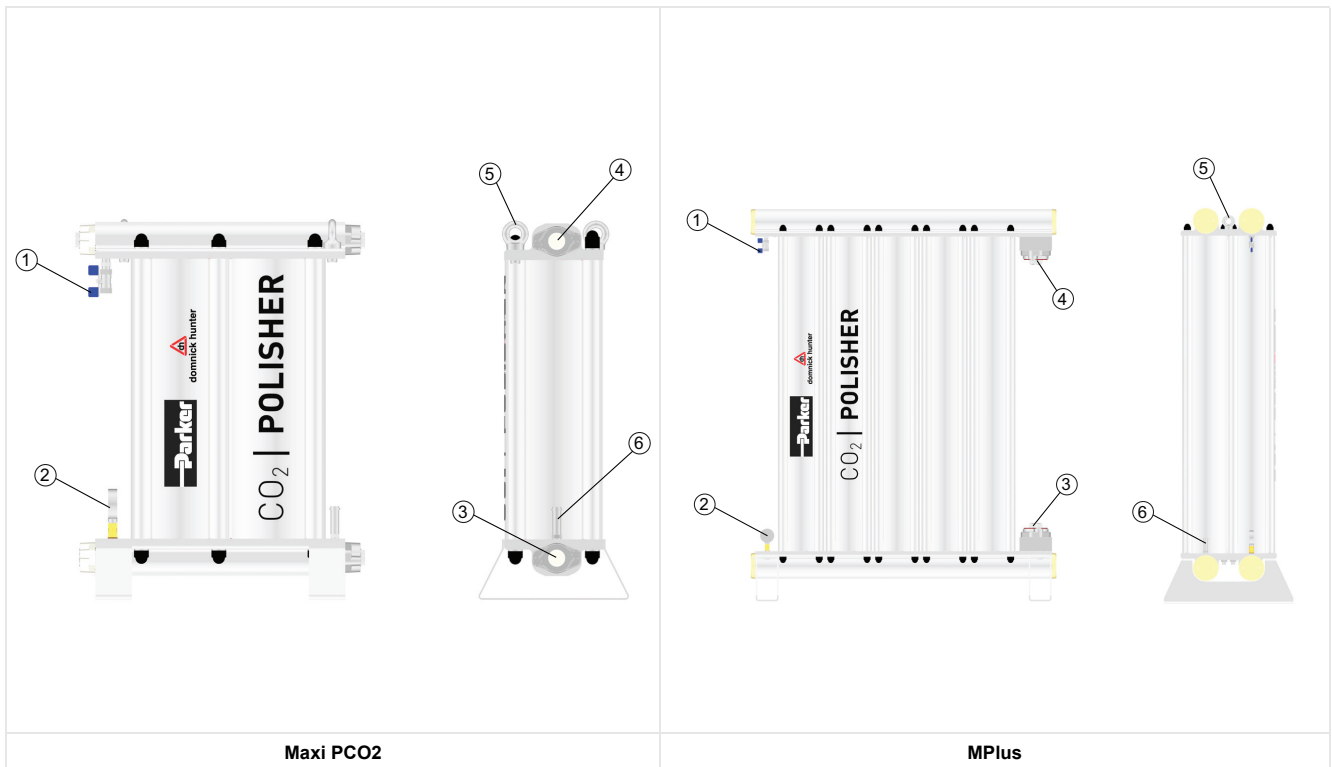
### 2.3.2 Unpacking

Remove the lid and all four sides of the packing crate (A). Lift the PCO<sub>2</sub> Polisher on to its feet using suitable slings and an overhead crane (B, C and D).

Carefully move the PCO<sub>2</sub> Polisher to its final location, using a forklift truck or pallet truck.



### 2.3.3 Overview of the Equipment



**Key:**

1	Ball Valve
2	40 Bar Pressure Gauge
3	Inlet Port
4	Outlet Port
5	Lifting Eye Bolt
6	Pressure Relief Valve

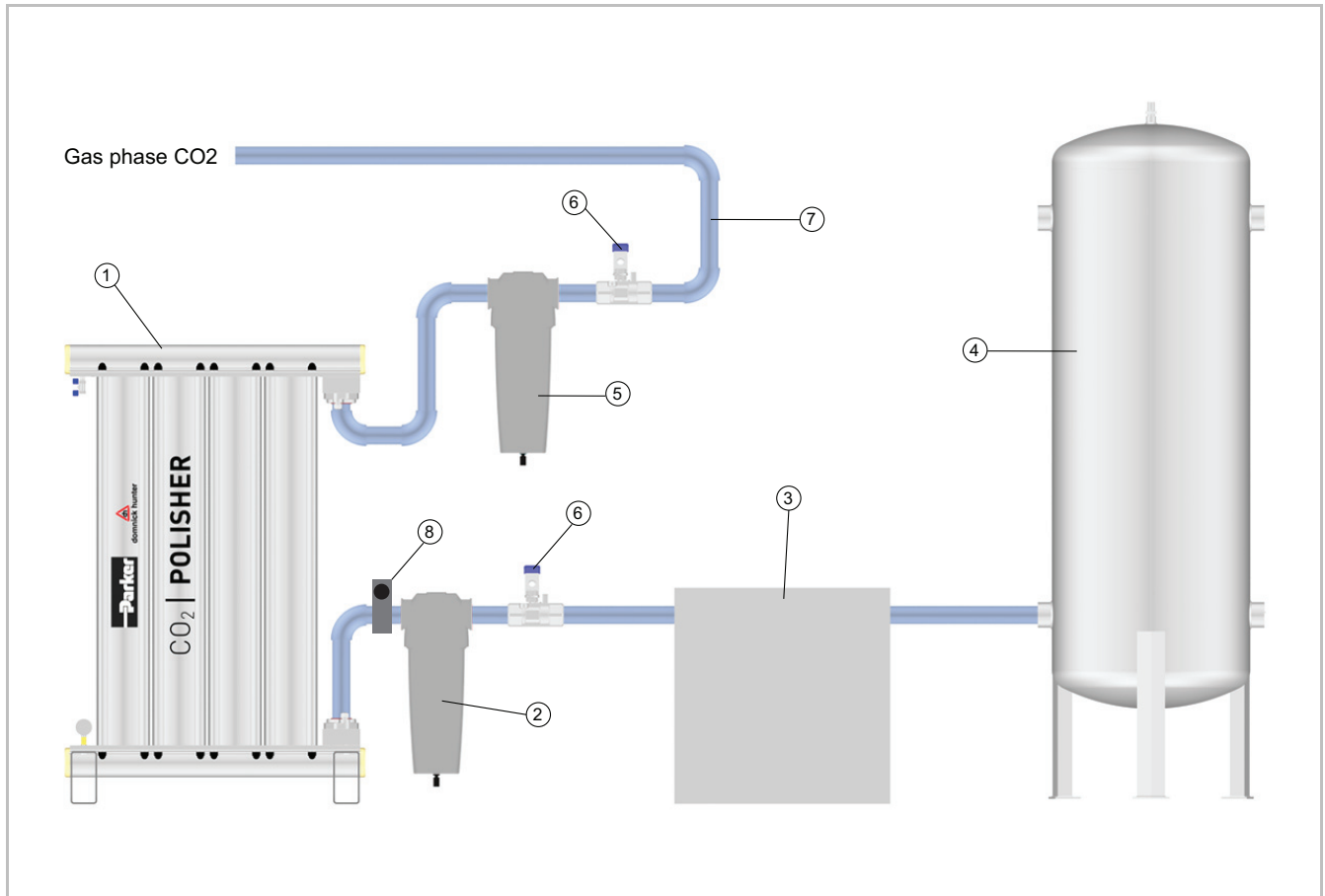


### 3 Installation & Commissioning



Only competent personnel trained, qualified, and approved by Parker Hannifin should perform commissioning and service procedures.

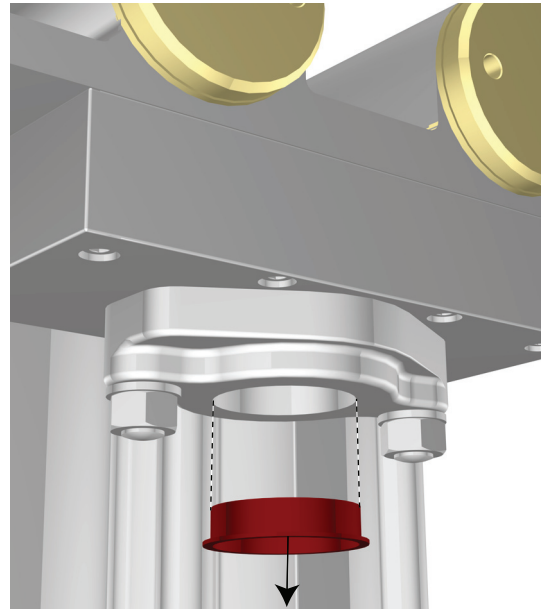
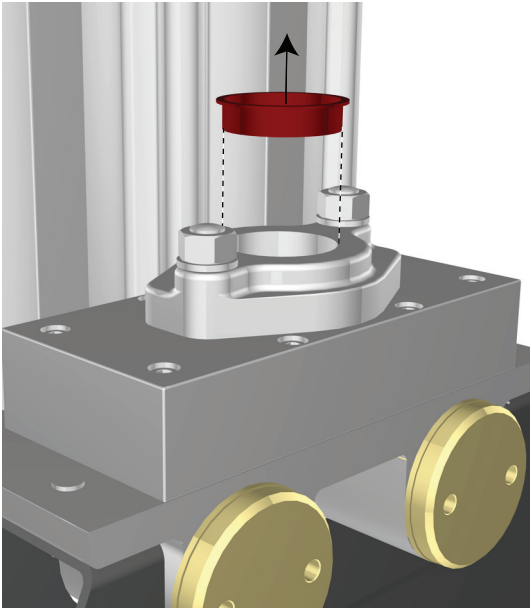
#### 3.1 Recommended system layout



1	PCO2 Polisher
2	Pre filtration - Stage One
3	Vaporiser
4	Liquid CO2 storage tank
5	Post filtration - Stage five
6	Isolation valves
7	Stainless steel piping
8	Pressure relief valve

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Once the equipment has been moved to its final location remove the blanking plugs from both the inlet and outlet ports.



Ensure that all piping materials are suitably rated for the application, clean and debris free. The diameter of the pipes must be sufficient to allow unrestricted inlet air supply to the equipment.

Apply approximately 8 - 12 turns of P.T.F.E tape to the high quality stainless steel piping.

Fit the piping along with the relevant pre and post filtration onto the inlet and outlet. Isolation valves must be installed after both the inlet and outlet filtration.

When routing pipes ensure that they are adequately supported to prevent damage or leaks in the system.

All components used within the system must be rated to at least the maximum operating pressure of the equipment. It is recommended that the system is protected with suitably rated pressure relief valves.

## 4 Operating the Equipment

### 4.1 Starting the Equipment

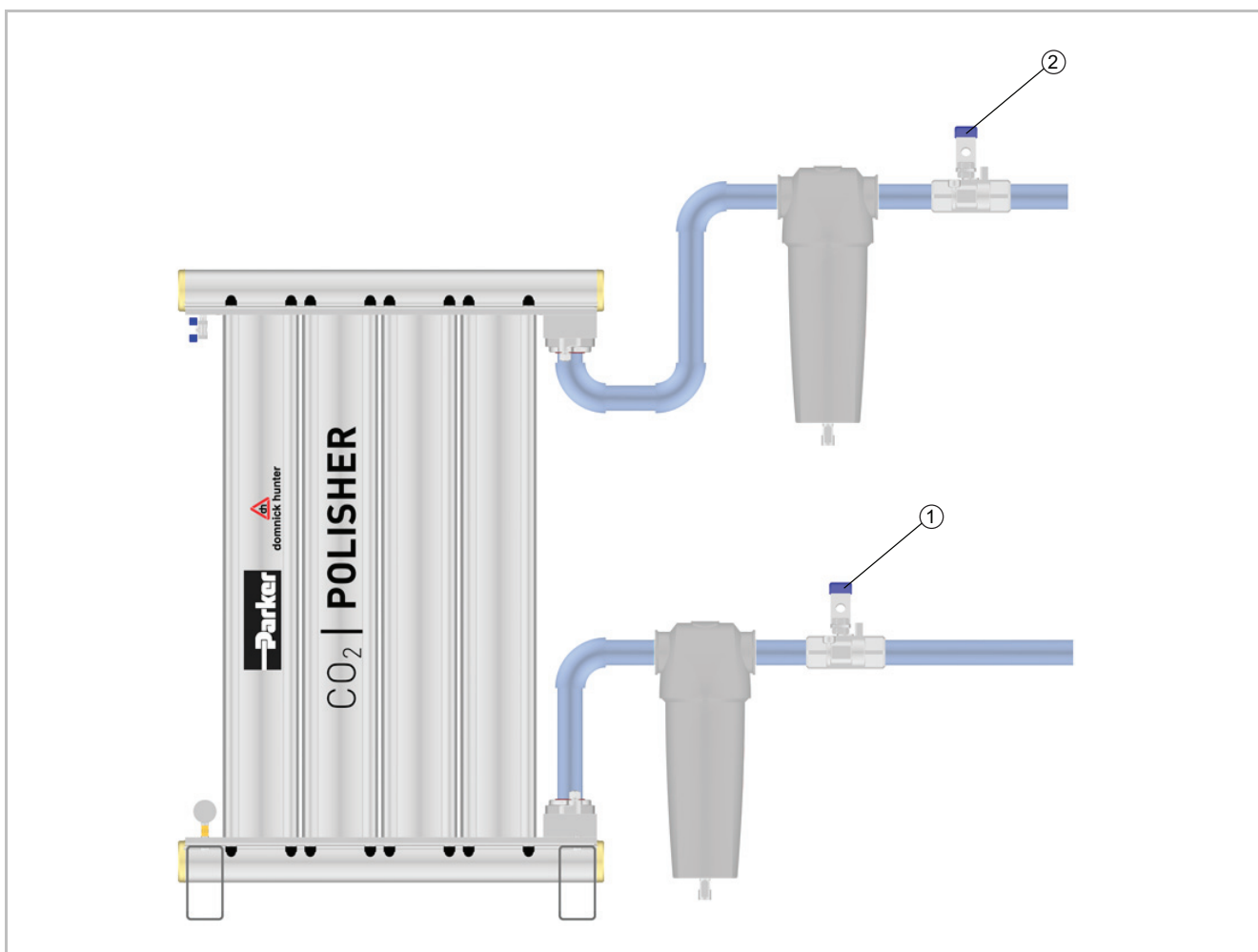
**Note:** On start-Up it is normal for the outlet temperature to increase for a limited period of time.

- 1 Open the inlet valve slowly to gradually pressurise the PCO<sub>2</sub> Polisher.
- 2 Open the outlet valve slowly to re-pressurise the downstream piping.



Do not open the inlet or outlet valves rapidly or subject the PCO<sub>2</sub> Polisher to excessive pressure differential as damage may occur.

Caution






















## 5 Servicing

### 5.1 Cleaning

Clean the equipment with a damp cloth only. If required you may use a mild detergent, however do not use abrasives or solvents as they may damage the warning labels on the equipment.

### 5.2 Service Intervals

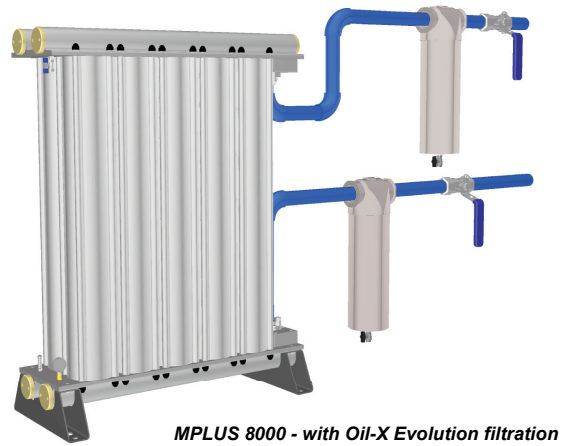
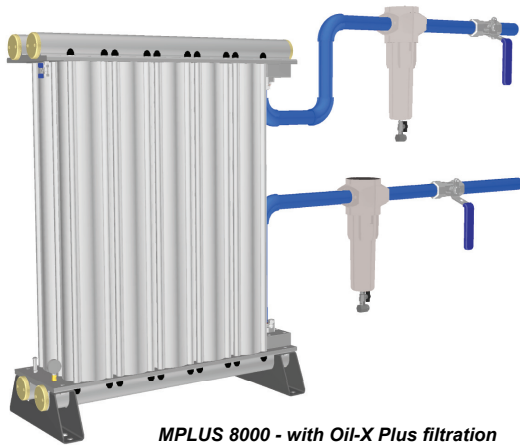
Component	Operation	Weekly	6Months (4000 Hrs.)
System	Check for leaks.		
Polisher	Check the pressure gauge.		
Polisher	Check the pressure relief valve.		
Filters	Drain filter bowl		
System	<b>Recommended Service A</b> Replace the filter elements and the mixed bed adsorption cartridges		
Polisher	Inspect the columns and manifolds (internal and external)		
Filters	Inspect the filter housings (internal and external).		

Service	6 Months (4000 Hrs.)	12 Months (8000 Hrs.)	18 Months (12000 Hrs.)	24 Months (16000 Hrs.)	30 Months (20000 Hrs.)	36 Months (24000 Hrs.)	42 Months (28000 Hr)	48 Months (32000 Hrs.)	54 Months (36000 Hrs.)	60 Months (40000 Hrs.)	66 Months (44000 Hrs.)	72 Months (48000 Hrs.)
A												

**Key:**

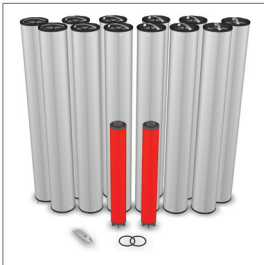
	Check		Preventative Maintenance
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### 5.3 Preventative Maintenance Kits - Maxi & Maxiplus



#### 20 Bar (300psi) - Required every 4000Hrs (6 months)

With Oil-X Plus filter elements



Model	Catalogue Number	Technical Reference
PCO2-1- 20 (300)	MAKPCO2-1-20	606071110
PCO2-2-20 (300)	MAKPCO2-2-20	606071120
PCO2-3-20 (300)	MAKPCO2-3-20	606071130
MPlus 4000 20 (300)	MAK-MPLUS4000-20	606071380
MPlus 6000 20 (300)	MAK-MPLUS6000-20	606071390
MPlus 8000 20 (300)	MAK-MPLUS8000-20	606071400
MPlus 10000 20 (300)	MAK-MPLUS10000-20	606071410

#### 20 Bar (300psi) - Required every 4000Hrs (6 months)

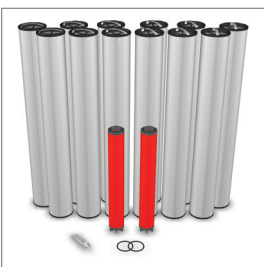
With Oil-X Evolution filter elements



Model	Catalogue Number	Technical Reference
PCO2-0-20 (300)	MAKEPCO2-0-20	606071180
PCO2-1-20 (300)	MAKEPCO2-1-20	606071190
PCO2-2-20 (300)	MAKEPCO2-2-2-	606071200
PCO2-3-20 (300)	MAKEPCO2-3-20	606071210
MPlus 4000 20 (300)	MAKE-MPLUS4000-20	606071340
MPlus 6000 20 (300)	MAKE-MPLUS6000-20	606071350
MPlus 8000 20 (300)	MAKE-MPLUS8000-20	606071360
MPlus 10000 20 (300)	MAKE-MPLUS10000-20	606071370

#### 24 Bar (350psi) - Required every 4000Hrs (6 months)

With Oil-X Plus filter elements



Model	Catalogue Number	Technical Reference
PCO2-0-24 (350)	MAKPCO2-0-24	606071140
PCO2-1-24 (350)	MAKPCO2-1-24	606071150
PCO2-2-24 (350)	MAKPCO2-2-24	606071160
PCO2-3-24 (350)	MAKPCO2-3-24	606071170
MPlus 4000 24 (350)	MAK-MPLUS4000-24	606071300
MPlus 6000 24 (350)	MAK-MPLUS6000-24	606071310
MPlus 8000 24 (350)	MAK-MPLUS8000-24	606071320
MPlus 10000 24 (350)	MAK-MPLUS10000-20	606071330

- All kits include CO2 Polisher elements, AA and AAR filter elements, manifold flange o-rings and sealant.
- 24 bar (350 psi) Polishers are available with Oil-X Plus filter elements only.

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher  
PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Directives 97/23/EC

Standards used Generally in accordance with ASMEVIII Div 1 : 1998.

PED Assessment Route : B & D  
EC Type-examination Certificate: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
COV0212403/1/TEC  
Notified body for PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Authorised Representative Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

Declaration

I declare that as the authorised representative, the above information in relation to the supply / manufacture of this product, is in conformity with the standards and other related documents following the provisions of the above Directives.

Signature:



Date: 11/01/2010

## Verklaring van Conformiteit

NL

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Richtlijnen 97/23/EC

Gehanteerde normen Gewoonlijk volgens ASMEVIII Div 1 : 2004.

PED-beoordelingstraject: B & D

EC Type onderzoekscertificaat: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
COV0212403/1/TEC

Aangemelde instantie voor PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Bevoegde vertegenwoordiger Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Verklaring

Als bevoegde vertegenwoordiger verklaar ik dat bovenstaande informatie met betrekking tot de levering / vervaardiging van dit product overeenstemt met de normen en andere bijbehorende documentatie volgens de bepalingen van bovengenoemde richtlijnen.

Handtekening:



Datum: 11/01/2010

Verklaringnummer: 00206/110110

## Déclaration de conformité

FR

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Purifier

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Directives 97/23/EC

Normes utilisées Généralement conforme à ASMEVIII div. 1 : 2004.

Méthode d'évaluation de la directive d'équipements de pression : B & D

Certificat d'examen de type CE : PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Organisme de notification pour la directive d'équipement sous pression : Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Représentant agréé Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Déclaration

Je déclare à titre de représentant agréé que les informations ci-dessus liées à la fourniture/fabrication de ce produit sont en conformité avec les normes et autres documents liés déclarés selon les dispositions des directives susmentionnées.

Signature :



Date : 11/01/2010

N° de déclaration : 00206/110110

## Konformitätserklärung

DE

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Richtlijnen 97/23/EC

Angewandte Normen Allgemein in Übereinstimmung mit ASMEVIII Div 1 : 2004.

Beurteilungsrouten der Druckgeräterichtlinie: B & D

EG-Baumusterprüfbescheinigung: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
COV0212403/1/TEC

Benannte Stelle für die Druckgeräterichtlinie: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Bevollmächtigter Vertreter Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Erklärung

Hiermit erkläre ich als bevollmächtigter Vertreter die Konformität der oben aufgeführten Informationen in Bezug auf die Lieferung/Herstellung dieses Produkts mit den Normen und anderen zugehörigen Dokumenten gemäß den Bestimmungen der oben genannten Richtlinien.

Unterschrift:



Datum: 11/01/2010

Nummer der Erklärung: 00206/110110

## Vaatumustenmukaisuusvakuutus

FI

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Purifier

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiivit 97/23/EC

Käytetyt standardit Yleensä seuraavan standardin mukaisesti: ASMEVIII Div 1 : 2004.

PED-arviointimenettely: B & D

EY-tyyppihyväksynnän sertifikaatti: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

PED-säännösten ilmoitettu laitos: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Valtuutettu edustaja Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Vakuutus

Valtuutettuna edustajana vakuutan, että yllä olevat tiedot, jotka liittyvät tämän tuotteen toimittamiseen tai valmistamiseen, ovat standardien ja muiden asiaan liittyvien asiakirjojen mukaisia ja noudattavat yllä mainittuja direktiivejä.

Allekirjoitus:



Päiväys: 11/01/2010

Vakuutuksen numero: 00206/110110

## Försäkran om överensstämmelse

SV

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiv 97/23/EC

Använda standarder Generellt i enlighet med ASMEVIII Div 1: 2004.

Fastställningsväg för PED: B &amp; D

EG-intyg om typprovning: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -Anmält organ för PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BSAuktoriserad representant Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Försäkran

Jag försäkrar, i egenskap av auktoriserad representant, att ovanstående information avseende leverans/tillverkning av denna produkt överensstämmer med standarder och övriga relaterade dokument enligt villkoren i ovanstående direktiv.

Underskrift:



Datum: 11/01/2010

Försäkrans nummer: 00206/110110

## Overensstemmelseerklæring

DA

## Konformitetserklæring

NO

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiver 97/23/EC

Benyttede standarder Hovedsakelig i samsvar med ASMEVIII div 1: 2004.

Rute for vurdering av PED  
(direktivet for trykkpålågt utstyr):  
EC-typegodkjennings sertifikat:

B &amp; D

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Underrettet organ for PED:

Autorisert representant Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Erklæring

Jeg erklærer som autorisert representant at informasjonen ovenfor med hensyn til levering/produksjon av dette produktet, er i overensstemmelse med standardene og andre relaterte dokumenter ifølge bestemmelsene i direktivene ovenfor.

Signatur:



Dato: 11/01/2010

Erklæring nr: 00206/110110

## Δήλωση συμμόρφωσης

EL

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiver 97/23/EC

Anvendte standarder Generelt i overensstemmelse med ASMEVIII div. 1: 2004.

Forløb for PED-bedømmelse: B &amp; D

EF-typeafprøvningsattest: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -Notificeret organ for PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BSAutoriseret repræsentant Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Erklæring

Jeg erklærer hermed som autoriseret repræsentant, at ovennævnte oplysninger vedrørende levering/produktion af dette produkt er i overensstemmelse med de anførte standarder og øvrige tilknyttede dokumenter i henhold til bestemmelserne i ovenstående direktiver.

Underskrift:



Dato: 11/01/2010

Erklæringsnummer: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Οδηγίες 97/23/EC

Πρότυπα που χρησιμοποιήθηκαν Γενικά σε συμφωνία με το ASMEVIII Div 1: 2004.

Διαδρομή αξιολόγησης για κανονισμούς

PED:  
Πιστοποιητικό εξέτασης τύπου ΕΚ:

B &amp; D

Ενήμερος οργανισμός για κανονισμούς

PED:

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Εξουσιοδοτημένος αντιπρόσωπος

Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Δήλωση

Δηλώνω ως ο εξουσιοδοτημένος αντιπρόσωπος ότι οι παραπάνω πληροφορίες σε σχέση με τη διάθεση / κατασκευή αυτού του προϊόντος, συμμορφώνονται ως προς τα πρότυπα και ως προς τα άλλα σχετικά έγγραφα που συνοδεύουν τις διατάξεις των πιο πάνω οδηγιών.

Υπογραφή:



Ημερομηνία: 11/01/2010

Αριθμός δήλωσης: 00206/110110



Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Directivas 97/23/EC

Normas utilizadas Generalmente de conformidad con ASMEVIII Div 1: 2004.

Ruta de evaluación de la normativa PED: B &amp; D

Certificado de examen CE de tipo: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Organismo notificado para la normativa  
PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Representante autorizado Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Declaración

Como representante autorizado, declaro que la información anteriormente expuesta en relación con el suministro y/o fabricación de este producto cumple las normativas indicadas y otros documentos afines según las disposiciones de las Directivas citadas anteriormente.

Firma:



Fecha: 11/01/2010

Número de declaración: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direttive 97/23/EC

Norme utilizzate Generalmente conforme a ASMEVIII Div 1: 2004.

Procedura di valutazione PED: B &amp; D

Attestato di certificazione tipo CE: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Organismo accreditato per PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Rappresentante autorizzato Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Dichiarazione

In qualità di rappresentante autorizzato dichiaro che le informazioni di cui sopra, in merito alla fornitura/fabbricazione del prodotto in oggetto, sono conformi alle norme indicate e a qualsiasi altro documento correlati alla fornitura basato su quanto prescritto dalle direttive menzionate.

Firma:



Data: 11/01/2010

Dichiarazione numero: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Directivas 97/23/EC

Padrões utilizados De forma geral em concordância com ASMEVIII Div 1: 2004.

Percurso de Avaliação do PED: B &amp; D

Certificado de Inspeção Tipo CE: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Notificado para o PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Revendedor Autorizado Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Declaração

Declaro, na qualidade de representante autorizado, que as informações acima contidas referentes ao fornecimento / fabrico deste produto estão em conformidade com as normas e outros documentos relacionados, de acordo com as disposições das Directivas anteriores.

Assinatura:



Data: 11/01/2010

Número da Declaração: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Dyrektywy 97/23/EC

Stosowane standardy Ogólnie zgodny z ASMEVIII dział 1: 2004.

Ścieżka potwierdzania zgodności z PED: B &amp; D

Certyfikat badania typu WE: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Organ/instytucja powiadamiana na mocy  
PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Autoryzowany przedstawiciel Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Deklaracja

Oświadczam, jako autoryzowany przedstawiciel, że powyższe informacje dotyczące dostawy / wytworzenia niniejszego produktu są zgodne ze standardami i innymi dokumentami powiązanych zgodnie z postanowieniami powyższych dyrektyw.

Podpis:



Data: 11/01/2010

Numer deklaracji: 00206/110110

## Vyhlásenie o zhode

SK

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Smernice

97/23/EC

Použité normy

Vo všeobecnosti v zhode s ASMEVIII oddiel 1 : 2004

Spôsob posudzovania podľa smernice PED

B &amp; D

Osvädčenie typovej skúšky ES

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Oboznámený orgán podľa smernice PED:

Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Splnomocnený zástupca

Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Vyhlásenie

Ako splnomocnený zástupca vyhlasujem, že informácie uvedené vyššie, sú v súvislosti s dodávkou / výrobou tohto výrobku v zhode s normami a inými súvisiacimi dokumentmi podľa ustanovení uvedených smerníc.

Podpis:



Dátum 11/01/2010

Číslo vyhlásenia: 00206/110110

## Vastavusdeklaratsioon

ET

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktiivid

97/23/EC

Kasutatud standardid

Üldiselt vastavuses standardiga ASMEVIII Div 1 : 2004.

PED-vastavushinnangu jaotus:

B &amp; D

EÜ tüübihindamistöönd:

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

PEDist (surveseadmete direktiivist) teavitatud asutus:

Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Volitatud esindaja

Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Deklaratsioon

Volitatud esindajana kinnitan, et ülaltoodud teave seoses antud toote tarnimisega / tootmisega on vastavuses standardite ja muude seotud dokumentidega vastavalt ülaltoodud direktiivide sätetele.

Allkiri:



Kuupäev: 11/01/2010

Deklaratsiooni number: 00206/110110

## Prohlášení o shodě

CS

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Směrnice

97/23/EC

Použité normy

Obecně v souladu ASMEVIII Div 1 : 2004.

Metoda stanovení shody pro tlaková zařízení (PED):

B &amp; D

Osvědčení o zkoušce typu ES:

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

Notifikovaný orgán pro PED:

Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Oprávněný zástupce

Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Prohlášení

Jako oprávněný zástupce prohlašuji, že výše uvedené informace týkající se dodávky / výroby tohoto produktu jsou v souladu s normami a jinými souvisejícími dokumenty vyplývajícími z ustanovení výše uvedených směrnic.

Podpis:



Datum: 11/01/2010

Číslo prohlášení: 00206/110110

## Megfelelőségi nyilatkozat

HU

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktívák

97/23/EC

Alkalmazott szabványok:

Általánosan a következő alapján: ASMEVIII Div 1 : 2004.

PED értékelési irányvonal

B &amp; D

EC típusvizsgálati bizonyítvány:

PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -

PED-del kapcsolatban értesített testület:

Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Hivatalos képviselő

Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Nyilatkozat

Hivatalos képviselőként kijelentem, hogy a termék szállításával / gyártásával kapcsolatos fent olvasható információk megfelelnek a fenti Direktívák előírásai szerinti szabványoknak és egyéb kapcsolódó dokumentumoknak.

Aláírás:



Dátum: 11/01/2010

Nyilatkozat száma: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktīvas 97/23/EC

Izmantotie standarti Parasti saskaņā ar ASMEVIII Div 1 : 2004.

PED novērtējums : B &amp; D

EK sastādīts Eksaminācijas sertifikāts: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Par PED informētā organizācija Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Pilnvarotais pārstāvis Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Deklarācija

Es kā pilnvarots pārstāvis ar šo paziņoju, ka iepriekšminētā informācija, kas attiecas uz šī produkta piegādi / ražošanu, atbilst standartiem un citiem atbilstošiem dokumentiem saskaņā ar iepriekšminētajām Direktīvām.

Paraksts:  Datums: 11/01/2010

Deklarācijas numurs: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Требования 97/23/EC

Применяемые стандарты В большинстве случаев обеспечивается соответствие стандарту ASMEVIII, Раздел 1: 2004.

Система обеспечения качества PED: B &amp; D

Сертификат ЕС на проведение типовых испытаний: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Уполномоченный орган для PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Уполномоченный представитель Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Декларация

Как уполномоченный представитель, я заявляю, что приведенная выше информация относительно поставки/производства данного продукта соответствует стандартам, другим связанным документам и положениям указанных выше требований.

Подпись:  Дата: 11/01/2010

Номер декларации: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktyvos 97/23/EC

Naudoti standartai Atitinka bendrąsias ASMEVIII Div 1 : 2004 nuostatas


PED įvertinimo pakopa: B &amp; D

EB tipo testavimo sertifikatas: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
PED notifikuoti institucija: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Igaliojasis atstovas Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Deklaracija

Aš, Igaliojasis atstovas, patvirtinu, kad aukščiau pateikta gaminio tiekimo/pagaminimo informacija atitinka aukščiau nurodytus standartus ir kitą su nurodytų direktyvų nuostatomis susijusią dokumentaciją.

Parašas:  Data: 11/01/2010

Deklaracijos numeris: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

Direktive 97/23/EC

Uporabljeni standardi Splošno skladno z ASMEVIII Div 1: 2004.

Ocenjevalna pot PED: B &amp; D

Certifikat o tipskem pregledu ES: PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Priglašeni organ za PED: Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

Pooblaščen zastopnik Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Izjava

Kot pooblaščen zastopnik izjavljam, da so zgornji podatki glede dobave/produkcije tega izdelka skladni s standardi in ostalimi sorodnimi dokumenti, ki sledijo določbam zgornjih direktiv.

Podpis:  Datum: 11/01/2010

Številka izjave: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

**Direktifler** 97/23/EC

**Kullanılan standartlar** Genelde ASMEVIII Div 1 : 2004'e uygun.

**PED (Basınçlı Ekipman Direktifi) Değerlendirmesi Yolu: AT Tip İncelemesi Sertifikası:** B & D  
PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

**PED için bildirimde bulunulan kuruluş:**

**Yetkili Temsilci** Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Beyan

Yetkili temsilci olarak beyan ederim ki bu ürünün teminine / üretimine ilişkin olarak yukarıda verilen bilgiler yukarıda anılan Direktiflerin hükümlerine uyan standartlara ve ilgili başka belgelere uygundur.

İmza:  Tarih: 11/01/2010

Beyan No: 00206/110110

## Декларация за съответствие

BU

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

**Direttivi** 97/23/EC

**Standards użati** Generalment f'konformità ma' ASMEVIII Div 1 : 2004.

**Rotta ta' l-Assessjar tal-PED:** B & D

**Ċertifikat tal-KE ta' l-eżaminazzjoni tat-Tip:** PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

**Korp notifikat għall-PED:**

**Rappreżentant Awtorizzat** Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Dikjarazzjoni

Niddikjara li b'halha r-rappreżentant awtorizzat, l-informazzjoni ta' hawn fuq, f'dak li għandu x'jaqsam mal-formiment/manifattura ta' dan il-prodott, hija f'konformità ma' l-istandards u d-dokumenti l-oħra relatati li jsegwu d-dispożizzjonijiet tad-Direttivi msemmija hawn fuq.

Firma:  Data: 11/01/2010

Numru tad-Dikjarazzjoni: 00206/110110

## Declarația de conformitate

RO

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

**Директиви** 97/23/EC

**Използвани стандарти** Generalment f'konformità ma' ASMEVIII Div 1 : 2004.

**Начин на оценка от PED :** B & D

**Сертификат за ЕС типово изпитване:** PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

**Нотифициращ орган за PED:**

**Упълномощен представител** Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Декларация

Декларирам като упълномощен представител, че горната информация относно доставката / производството на този продукт е в съответствие със стандартите и други свързани документи следващи разпоредбите на горепосочените директиви.

Подпис:  Дата: 11/01/2010

Номер на декларацията: 00206/110110

Parker Hannifin Ltd, Industrial division  
Dukesway, TVTE, Gateshead, Tyne & Wear, NE11 0PZ. UK

## CO2 Polisher

PCO2/1, PCO2/2, PCO2/3, MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000

**Directive** 97/23/EC

**Standardele folosite** Generalment f'konformità ma' ASMEVIII Div 1 : 2004.

**Cale de evaluare PED:** B & D

**Certificat de examinare EC de tip:** PCO2/1, PCO2/2, PCO2/3 - COV0213422/2/TEC  
MPLUS 4000, MPLUS 6000, MPLUS 8000, MPLUS 10000 -  
Lloyds Register Verification  
71 Fenchurch St. London  
EC3M 4BS

**Agenția notificată pentru PED:**

**Reprezentant autorizat** Derek Bankier  
Divisional Quality Manager  
Parker Hannifin Ltd, Industrial division

## Declarație

Declar, în calitate de reprezentant autorizat, faptul că informația de mai sus referitoare la livrarea / fabricarea acestui produs este în conformitate cu standardele și alte documente asociate care urmăresc prevederile directivelor de mai sus.

Semnătura:  Data: 11/01/2010

Numărul declarației: 00206/110110



ФЕДЕРАЛЬНАЯ СЛУЖБА  
ПО ЭКОЛОГИЧЕСКОМУ, ТЕХНОЛОГИЧЕСКОМУ И АТОМНОМУ НАДЗОРУ

## РАЗРЕШЕНИЕ

№ PPC 00-32481

На применение

Оборудование (техническое устройство, материал):  
Оборудование, работающее под давлением, в соответствии  
с перечнем в приложении к настоящему разрешению.

Код ОКП (ТН ВЭД): Оборудование комплектное, коды ОКП (ТН ВЭД)  
в соответствии с технической документацией.

Изготовитель (поставщик): Фирма "Parker Hannifin Ltd. domnick hunter  
division" (Великобритания).

Основание выдачи разрешения: Техническая документация, заключение  
экспертизы промышленной безопасности ООО "ХАНК" № 419-840-2008  
от 27.10.2008 г., сертификаты соответствия ОС ООО "ХАНК"  
№ РОСС GB.ГC03.В00284 - №РОСС GB.ГC03.В00286 от 29.10.2008 г.

Условия применения:

1. Оформление технической документации на оборудование (паспортов,  
чертежей, инструкций по монтажу и эксплуатации) в соответствии  
с требованиями действующих в России правил промышленной безопасности  
на русском языке.
2. Осуществление монтажа, ввода в работу и эксплуатации оборудования  
в соответствии с требованиями "Правил устройства и безопасной  
эксплуатации сосудов, работающих под давлением".

Срок действия разрешения до 17.12.2013

Дата выдачи 17.12.2008



Заместитель руководителя  
Б.А. Красных

А В 009261

## ПРИЛОЖЕНИЕ

к разрешению № РРС 00-32481 от 17.12.2008  
(без разрешения недействительно)

### ПЕРЕЧЕНЬ

оборудования фирмы "Parker Hannifin Ltd. donnick hunter division",  
разрешенного к применению на территории Российской Федерации :

#### 1. Фильтры для взрывобезопасных газов типов:

- OIL-X-EVOLUTION (модели от 010 до 055);
- OIL-X-EVOLUTION 4" (модели 060);
- OIL-X-EVOLUTION Fabricated (модели от 100 до 500);
- OIL-X-EVOLUTION OVR (модели от OVR 100 до OVR 250);
- OIL-X-EVOLUTION AC (модели от AC 010 до AC 030);
- OIL-X-EVOLUTION WS (модели от WS 010 до WS 055);
- OIL-X Plus TF-G/H (модели от TF 55 до TF 870);
- OIL-X-EVOLUTION (модели от TFE 060 до TFE 660).

#### 2. Осушители и аппараты для взрывобезопасных газов типов:

- MINI (модели от DM 002 до DM 006);
- Midas (модели от Das 1 до Das 7);
- MIDI DME / DM (модели от DME 012 до DME 080; от DM 012 до DM 080);
- MIDI Transportation (модели TDV – TDH – TDS - TDVC);
- MX/MPX (модели от MX 102с до MX 110; от MPX 110 до MPX 112);
- DH (модели от DH 102 до DH 110);
- PCO2 Maxi (модели от PCO2/0 до PCO2/3);
- PCO2 Maxi Plus (модели от MPlus 4000 до MPlus 10000);
- CDP (модели от CDP1 до CDP6);
- CDPlus (модели от CDPlus 8 до CDPlus 12);
- G (модели от G1 до G9);
- LC/MS (LCMS) (модели LCMS 12/2; 20; 30 – 40);
- Zero Air (модели от UHP-10ZA до UHP-200 ZA);
- CO2RP (модели от CO2RP015 до CO2RP850);
- N2Midi (модели от N2Mid350 до N2Mid601);
- Maxigas (модели от 104 до 120).



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