

OIL-X EVOLUTION

Compressed Air Quality Guarantee

Product Guarantee

Parker domnick hunter filters have been designed to provide compressed air quality that meets or exceeds levels shown in all revisions of ISO8573-1, international air quality standard

Water Separators – Grade WS

OIL-X EVOLUTION Water Separator performance has been tested in accordance with ISO 8573-9. OIL-X EVOLUTION Water Separators provide high removal efficiency of bulk condensed water and liquid oil. Water Separators are used to protect coalescing filters from bulk liquid contamination.

Coalescing Filters – Grades AO & AA

OIL-X IP50 coalescing filter performance has been tested in accordance with ISO 12500-1:2007 and independently verified by Lloyds Register. Coalescing filter performance is guaranteed for 12 months when sized, installed and operated in accordance with Parker domnick hunter recommendations. The filter performance guarantee can be extended by replacing the filter element and consumable parts annually.

Dry Particulate Filters – Grades AR & AAR

OIL-X IP50 dry particulate filter performance has been tested in accordance with ISO 8573-4:2001 and independently verified by Lloyds Register. Coalescing filter performance is guaranteed for 12 months when sized, installed and operated in accordance with Parker domnick hunter recommendations. The filter performance guarantee can be extended by replacing the filter element and consumable parts annually.

Oil Vapour Removal Filter – Grade ACS

OIL-X IP50 oil vapour removal filter performance has been tested in accordance with ISO 8573-5:2001 and independently verified by Lloyds Register. The lifetime of oil vapour removal filter elements is affected by the inlet oil vapour concentration, bulk oil, temperature, relative humidity or dewpoint of the compressed air and compressor oil changes and will vary from system to system. For critical applications or systems where frequent element changes are not possible, Parker domnick hunter OVR oil vapour removal systems should be installed – however the maximum working pressure is 16 barg (232 psig).

Die-Cast Aluminium & Fabricated Carbon Steel Filter Housings

OIL-X EVOLUTION filter housings are protected by an anti corrosion coating and a tough external epoxy coating. All housings are guaranteed for 10 years under normal recommended use.

Conditions

- OIL-X EVOLUTION Filters are depth filters and are not absolute rated. AO/AR Grade Efficiency is minimum 99.925%. AA/AAR Grade Efficiency is 99.9999%* [* the limit of accurate measurement].
- Filtration performance has been independently tested in accordance with the requirements shown in the standards for oil aerosol (ISO 12500-1:2007), particulate (ISO 8573-4:2001) and oil vapour (ISO 8573-5:2001) and at a temperature of 21°C.
- The system pressure and operating temperature of the compressed air system will affect the oil carryover performance of a coalescing filter, and site conditions /test method must be accounted for during on site air quality testing.
- The lifetime of ACS oil vapour removal filter elements is affected by the pressure, oil concentration, relative humidity and temperature of the compressed air and will vary from system to system.
- Combinations of filters will be required to achieve the highest quality classifications required by ISO 8573-1:2001.
- AO filters should be protected from bulk liquid contamination using a grade WS water separator (installation dependant)
- AA filters must be preceded by an AO filter.
- AAR filters must be preceded by an AR filter.
- ACS / OVR filters must be preceded by coalescing pre-filtration for oil / water aerosol removal.
- AO Performance based upon a maximum inlet concentration of 40mg/m³ of oil aerosol at 21°C.
- AA Performance based upon a maximum inlet concentration of 10mg/m³ of oil aerosol at 21°C.
- ACS Performance based upon a maximum inlet concentration of 0.018mg/m³ of oil vapour at 21°C.
- OVR Performance based upon a maximum inlet concentration of 0.05mg/m³ of oil vapour at 21°C.
- Installation and operation must be in accordance with domnick hunter recommendations.
- Only genuine Parker domnick hunter replacement parts may be used in any service/repair or all guarantees will be deemed invalid.
- Installation & service data must be supplied with any guarantee claim.
- Housing guarantee does not cover consumable parts, normal wear and tear nor any deterioration or defect due to improper use, negligence, accidental or malicious damage. Performance guarantee restricted to replacement of filter elements only and does not cover consequential losses.



INTERNATIONAL APPROVALS

