

Parker Product Datasheet



Die cast aluminium water separators for the efficient removal of bulk liquid contamination from a compressed air supply, providing flow rates up to 3600 m³/h @ 7 bar g.

PART NUMBER: WSPX020DGF
CONNECTION TYPE: BSPP
MAXIMUM FLOW RATE: 144 m³/h @ 7 barg (85 cfm @ 102 psig)
PORT SIZE: ¾ inch
ELECTRICAL REQUIREMENTS: N/A
DRAIN OPTION: Automatic Float

PRODUCT OVERVIEW

Bulk water which exists in all compressed air systems causes problems - corrosion of piping, permanent damage to valves, cylinders, pneumatic tools, machinery and reducing the effectiveness of aftercoolers/heat exchangers.

Over 99% of bulk water can be easily and economically removed by installing a Parker OIL-X Grade WS high efficiency water separator. Now, your compressed air system will operate much more efficiently with reduced downtime and maintenance costs. Grade WS technology will also improve the effectiveness of aftercoolers, refrigerant dryers, filters and other downstream equipment.

Features

- The world's most energy efficient water separators
- For the removal of bulk condensed water and liquid oil

- Used to protect coalescing filters from bulk liquid contamination
- Tested in accordance with ISO8573-9

Benefits

- High liquid removal efficiencies at all flow conditions
- Cost effective
- Low maintenance
- Very low differential pressure
- Removes rust and pipescale

In addition to protecting coalescing filters from bulk liquid contamination, Grade WS water separators can be used on compressor inter-cooler and after-cooler stages, wet air receivers and refrigeration dryers.

Sizing and Selection

Important Note: For quoted air purity performance, water separators must be sized correctly for minimum operating pressure and maximum inlet flow rate using the correction factors found in the Product Information Sheet.

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor.

TECH SPECIFICATIONS

DIVISION	Gas Separation and Filtration Division EMEA
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INDUSTRY	Industrial Manufacturing Equipment
	Food & Beverage
	Automotive
	Electronics
	Pharmaceuticals
	Medical & Dental
SPECIFICATIONS MET	Fully tested - In accordance with ISO12500-4 & ISO8573-9 for liquid water.
	Separation performance independently validated - by Lloyds Register.

PED 2014/68/EU Fluid Group II

APPLICATION	Compressed Air and Nitrogen Gas Applications
BRAND	Parker
TECHNOLOGY	Filtration
PRODUCT SERIES	OIL-X Grade WS
PRODUCT TYPE	Compressed Air Filter
MATERIALS OF CONSTRUCTION	Die Cast Aluminium
WEIGHT	3.10 lb
WEIGHT	1.41 kg
WIDTH	89.0 mm
WIDTH	3.5 inch
OPERATING PRESSURE	22 to 232 psig
OPERATING PRESSURE	1.5 to 16 barg
HEIGHT	238.0 mm
HEIGHT	9.37 inch
OPERATING TEMPERATURE	2 to 60 °C
OPERATING TEMPERATURE	35 to 149 °F
DEPTH	84.0 mm
DEPTH	3.31 inch
FILTER TYPE	Water Separator
MICRON RATING	n/a
PRESSURE DIFFERENTIAL	0.6 psi Initial Saturated, 100% Flow
PRESSURE DIFFERENTIAL	42.0 mbar Initial Saturated, 100% Flow