

# JANUS FILTERS

HIGH PRESSURE FILTER  
MAX 100 BAR

Filter elements are known as elements with a high intrinsic stability and an excellent filtration capability, high dirt retaining capacity and a long service life. Filters are suitable for all petroleum based fluids, HW-emulsions, most synthetic hydraulic fluids and lubrication oils. Filter elements are available up to a pressure difference resistance of  $\Delta p$  160 bar and a rupture strength of  $\Delta p$  800 bar. The internal valves are integrated into the centering pivot for the filter element. After reaching the opening pressure the by-pass valve causes; an unfiltered partial flow passes the filter.

SPECIFICATION	
Housing Model	136
Port Size—BSP	1/2"
Drain—BSP	None
Maximum Pressure—Bar	100
Minimum Temperature—°C	-20
Maximum Temperature—°C	200
Head, Bowl & Internals	316L
Gaskets	Viton
A—mm	15
B—mm	60
C—mm	122
D—mm	75
Volume—cc	110
Weight—kg	0.7
Standard Gasket Set	GV130
High Temperature Gasket (for S Type housing only)	GH130
Support Core	SC130
Mounting Bracket	MB130
Stainless Steel Element	SS-130-xx

The pressure filters of the 136 series are suitable for a working pressure up to 100 bar.

The pressure peaks are absorbed by a sufficient margin of safety. The 136 series filter is (in-line mounted.)

Stainless steel filter elements are made up of several layers of 316 mesh that are sintered together to form an integrated porous element. The middle mesh is of very fine gauge and determines the filtration efficiency of the elements. This layer is then overlaid with inner and outer layers of coarser mesh, to give support and protection.

Filter elements are available in 1, 3, 5, 10, 20, 25, 50 & 100  $\mu\text{m(c)}$ .

#### Technical data:

Temperature range:	-20°C to + 200°C
Operating medium:	Filtered tap water, other medium on request
Max. operating pressure:	100 bar 300 bar
Test pressure:	Thread connection
Connection system:	DIN 17440 - 1.4404 (316L according to B.S.)
Housing material:	B.S.)
Sealing material:	Nitrile (NBR) or Viton (FPM), other materials on request
Installation position:	Vertical
Volume tank:	0,11 l



#### Standard Dimensions—

Grades available in 1 $\mu\text{m}$ , 3 $\mu\text{m}$ , 5 $\mu\text{m}$ , 10 $\mu\text{m}$ , 20 $\mu\text{m}$ , 25 $\mu\text{m}$ , 50 $\mu\text{m}$  and 100 $\mu\text{m}$ .

Replace the 'xx' with the grade, e.g. 136-BSPP-25T

ORDER CODE	STANDARD BUILD
High Pressure Filter	136-BSPP-XXT

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