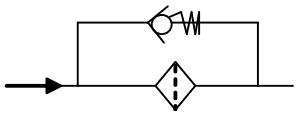
MHP Series

Mini Pressure Filters



Features

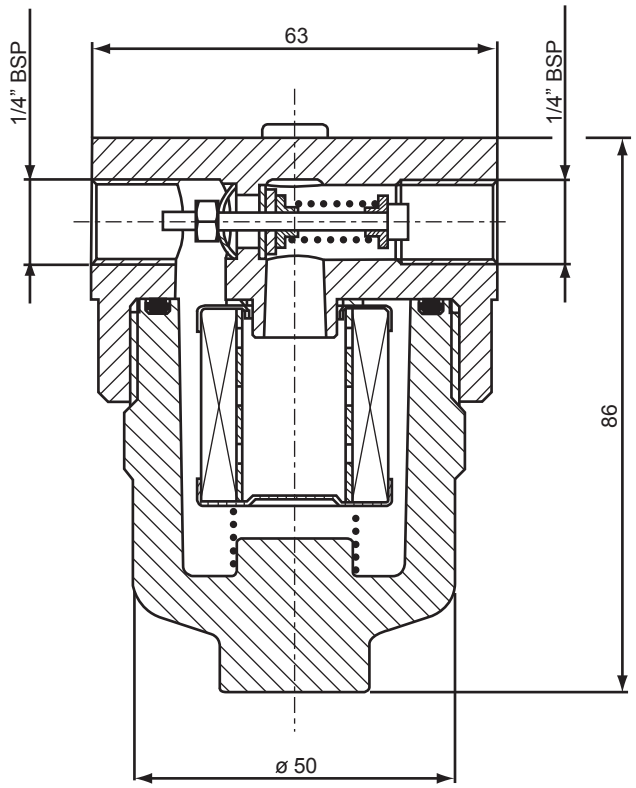
The MHP220 series filters are suitable for use in pressure lines with flow rates up to 6 l/min.

Options available include a range of filter elements from 10 micron to 125 micron low collapse construction in an assortment of media.

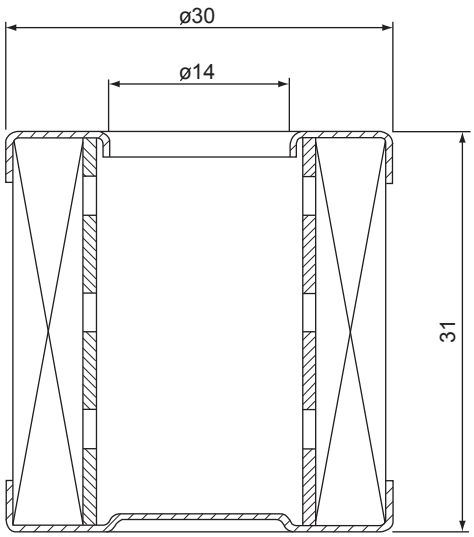
Technical Specifications	
Filter Housing	Brass
Gaskets	Buna-N
Internal Core	Zinc treated steel
End Caps	Zinc treated steel
Filter Media	Refer to How To Order

Dimensions

Complete filter with by-pass



Element



PRESSURE DROP CHARACTERISTICS

The pressure drop of the complete filter is calculated by adding the housing pressure drop to that of the filter element, referred to the working flow rate.

The housing pressure drop is proportional to the variations of the fluid mass density.

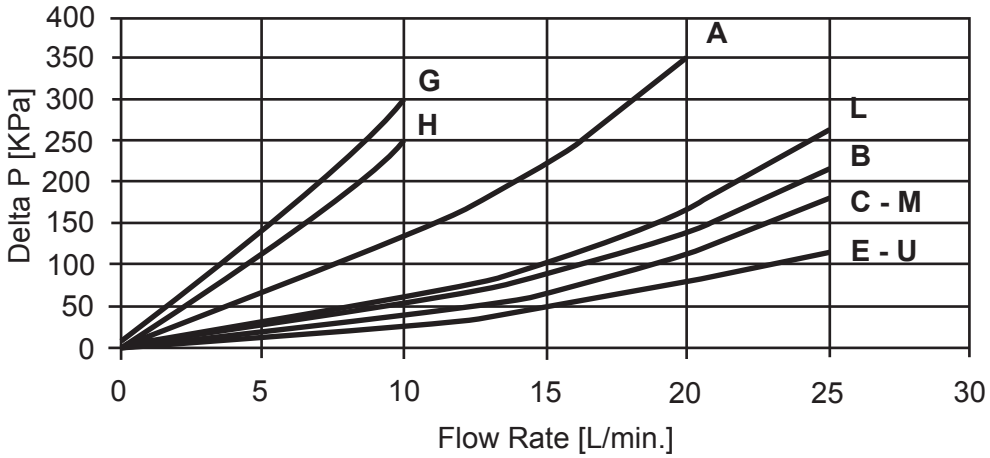
The filter element pressure drop is proportional to the variations of the fluid kinematic viscosity,

Select your MHP220 filter so that the complete pressure drop of the clean filter, calculated at the working flow rate, is less than 1 - 1.5 bar.

Pressure curves on the graph below are for mineral oil with density of 860 kg/m^3 and kinematics viscosity of 30 cSt.

Note: 1 bar = 10 Pa, (100 Kpa); 1 cSt = 1mm^2/sec

COMPLETE FILTER PRESSURE DROP



HOW TO ORDER

MHP	220	G	N	R

Series	
MHP	Complete filter
MHPR	Replacement element

Dimension
220

Filter Media	
G	10µm Inorganic fibre ßx≥200
H	25µm Inorganic fibre ßx≥200
A	10µm Resin treated paper ßx≥2
B	25µm Resin treated paper ßx≥2
L	10µm Steel AISI 304 wire mesh
M	25µm Steel AISI 304 wire mesh
C	60µm Steel AISI 304 wire mesh
U	90µm Brass wire mesh
E	125µm Brass wire mesh

Seals	
N	Buna N
V	Viton

By-Pass Valve	
R	By-pass DeltaP 6 bar
S	None

MHPR	220	G	N

Replacement Element