

# CLEARPOINT® HIGH PRESSURE FILTER UP TO 50 BAR

## USING HIGH PRESSURE TO BEST ADVANTAGE

CLEARPOINT® high pressure filters will give you a decisive added value compared with other brands in this filtration sector. Both reliability and efficiency are significantly increased. The designs are carefully tailored, down to the smallest detail, to the specific requirements of high pressure systems.



Piston compressors inevitably produce pulsations in the compressed air flow. The resulting vibrations can cause leaks in conventional filter housings. CLEARPOINT® filter housings are provided with a special retention system to ensure that the unit remains leakproof. An important safety feature is the CLEARPOINT® filter cap which prevents accidental opening of the housing. If the operator tries to open the housing when it is still under pressure, a clear warning signal will be heard.

## EXCELLENT FILTER PERFORMANCE

Design and construction of CLEARPOINT filters guarantee an optimum of separation efficiency – as certified by an independent institute.



### No corrosion particles

Anodized, powder-coated housing made of seawater-resistant alloy. Also resistant against aggressive condensates.



### Constant high separation efficiency

Long time stable needlefelt drainage layer does not emit any contaminants, such as solid particles, plasticizers or silicones. Suitable for high thermal loads up to 120 °C.



### Reliable condensate drain

Electronic level-controlled condensate drain with self-monitoring function for the reliable removal of condensate without loss of compressed air. Remote monitoring optional.

**First high pressure  
filter with validation**

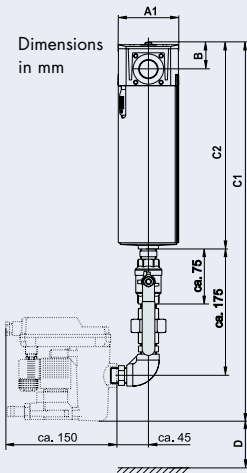
CLEARPOINT® is the first high pressure filter that has been tested and validated by an independent institute on the basis of future standards (Institute of Energy and Environmental Technology, Germany).



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## TECHNICAL DATA



Filter	A mm	A1 mm	B mm	C1 mm	C2 mm	D mm	Volume L	Weight kg
HP50S040	75	60	28	420	180	180	0,25	0,75
HP50S050	75	60	28	450	210	180	0,31	0,85
HP50S055	75	60	28	505	265	180	0,42	1,2
HP50S075	100	80	34	520	280	180	0,87	1,7
HP50M010	100	80	34	590	350	180	1,12	2,1
HP50M012	100	80	34	425	385	180	1,26	2,2
HP50M015	146	120	48	605	365	180	2,52	4,1
HP50M018	146	120	48	658	418	180	2,97	4,5
HP50M020	146	120	48	708	468	180	3,40	5,1

## SEPARATION OF SOLIDS, AEROSOLS, OIL VAPOURS AND ODOURS (VALIDATED)

Filter	Connection	Flow rate m <sup>3</sup> /h	Quality classes according to DIN ISO 8573.1
HP50S040	3/8"	130	<p>0.001 mg/m<sup>3</sup> Nanofilter  <b>Class 0</b>                      0.01 mg/m<sup>3</sup> Activated carbon super fine filter  <b>Class 1</b>                      0.1 mg/m<sup>3</sup> Fine filter  <b>Class 2</b>                      1 mg/m<sup>3</sup> General purpose filter  <b>Class 3</b>                      5 mg/m<sup>3</sup> Coarse filter  <b>Class 4</b>                      25 mg/m<sup>3</sup> Class 5                      Residual oil, Residual dust</p>
HP50S050	1/2"	210	
HP50S055	1/2"	370	
HP50S075	3/4"	490	
HP50M010	1"	660	
HP50M012	1"	790	
HP50M015	1 1/2"	1050	
HP50M018	1 1/2"	1380	
HP50M020	2"	1900	

## CONVERSION FACTORS

To determine the filter performance in relation to the actual operating pressure, please multiply the flow rate by the relevant correction factor:

Operating pressure bar	4	6	8	10	15	20	30	40	50
Correction factor	0.14	0.22	0.28	0.34	0.47	0.57	0.71	0.85	1

Subject to technical changes without prior notice; the information and data do not represent product characteristics within the meaning of the German Civil Code (BGB)

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