

## Compressed air filters up to 40 bar

The compressed air filters are used to treat compressed air and other gases by removing solid particles and oil.

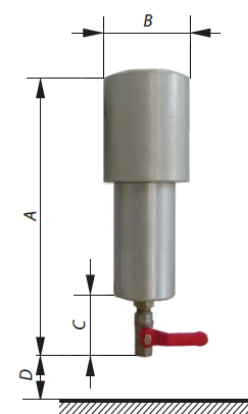
They are the necessary part of the compressed air preparation system, which is to improve durability and extend service life of the pneumatic and control elements and actuators. Depending on the filter element used, with specific filtration accuracy, the required compressed air purity class suitable for individual industrial applications is obtained.

Depending on the required purity class of compressed air, the HP filters (with MF or SMF coalescent filter elements and AK activated carbon filter element) can be installed in three configurations ensuring the required content of oil and solid particles in compressed air.

Filter with MF filter element	Fine filtration of solid particles and water and oil mist
Solid particles	0,01 $\mu\text{m}$
Residual oil content	< 0,03 $\text{mg}/\text{m}^3$
Compressed air quality (oil particles)	ISO 8573.1 Class 2
Pressure drop in filter	0,11 bar

Set of two filters with MF and SMF filter element	Very fine filtration of solid particles and water and oil mist
Solid particles	< 0,01 $\mu\text{m}$
Residual oil content	< 0,01 $\text{mg}/\text{m}^3$
Compressed air quality (oil particles)	ISO 8573.1 Class 1
Pressure drop in the set	0,24 bar

Set of three filters with MF, SMF, AK filter element	Adsorption of oil vapour and odour
Residual oil content	< 0,003 $\text{mg}/\text{m}^3$
Compressed air quality (oil particles)	ISO 8573.1 Class 1
Pressure drop in the set	0,37 bar



Type	Flow		Connection	Dimensions				Weight kg	Cartridge
	$\text{m}^3/\text{h}$	$\text{m}^3/\text{min}$		A mm	B mm	C mm	D mm		
HP 500 MF	500	8,3	G $\frac{3}{4}$	300	105	55	40	2,1	05/20 MF
HP 500 SMF	500	8,3	G $\frac{3}{4}$	300	105	55	40	2,1	05/20 SMF
HP 500 AK	500	8,3	G $\frac{3}{4}$	300	105	55	40	2,1	05/20 AK
HP 900 MF	900	15	G $\frac{5}{4}$	310	120	55	40	4,3	05/25 MF
HP 900 SMF	900	15	G $\frac{5}{4}$	310	120	55	40	4,3	05/25 SMF
HP 900 AK	900	15	G $\frac{5}{4}$	310	120	55	40	4,3	05/25 AK