



IHP SERIES

STAINLESS STEEL HIGH PRESSURE FILTERS

100, 250, 400 bar
operating pressure

40 to 715 Nm³/h
volume flow rate

1/4" to 2"
connections

1,5 to 65°C
operating temperature range

stainless steel 1.4404-standard
stainless steel 1.4301-option
material

DESCRIPTION

IHP stainless steel high pressure filters are designed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air systems up to 400 bar.

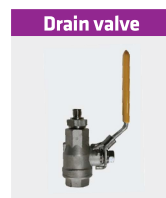
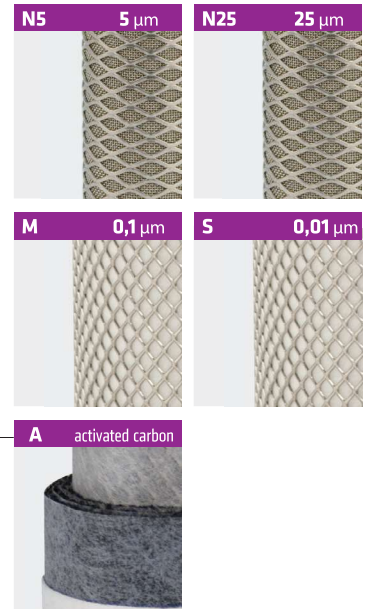
Required compressed air quality according to standard ISO 8571-1 can be achieved with 5 different grades of filter elements (N5, N25, M, S and A).

For any other technical gas please contact producer or your local distributor.

Optional external condensate drain should be used for efficient condensate draining from filter housing.

APPLICATIONS

- General industrial applications
- Automotive
- Electronics
- Food and beverage
- Chemical
- Petrochemical
- PET
- Paint





TECHNICAL DATA									FILTER ELEMENTS						
Filter housing size	Pipe size	Max. oper. pressure	Flow rate at 7 bar(g), 20 °C		Dimensions [mm]			Mass	N5 5 µm	N25 25 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A activated carbon	CKL-IHP	
	inch		bar/psi	Nm³/h	scfm	A	B								C
IHP 003	1/4"	100/250/400	40	23,5	165	83,5	70	4,6	IHP 0305 N5	IHP 0305 N25	IHP 0305 M	IHP 0305 S	IHP 0305 A	CKL-IHP 0305	
IHP 005	3/8"	100/250/400	70	41,2	165	83,5	70	4,6	IHP 0310 N5	IHP 0310 N25	IHP 0310 M	IHP 0310 S	IHP 0310 A	CKL-IHP 0310	
IHP 007	1/2"	100/250/400	130	76,5	210	103	85	8,7	IHP 0420 N5	IHP 0420 N25	IHP 0420 M	IHP 0420 S	IHP 0420 A	CKL-IHP 0420	
IHP 010	3/4"	100/250/400	195	115	235	103	85	9,3	IHP 0520 N5	IHP 0520 N25	IHP 0520 M	IHP 0520 S	IHP 0520 A	CKL-IHP 0520	
IHP 018	1"	100/250/400	275	162	253	119	100	15	IHP 0525 N5	IHP 0525 N25	IHP 0525 M	IHP 0525 S	IHP 0525 A	CKL-IHP 0525	
IHP 030	1 1/4"	100/250/400	380	223	303	119	100	16	IHP 0725 N5	IHP 0725 N25	IHP 0725 M	IHP 0725 S	IHP 0725 A	CKL-IHP 0725	
IHP 047	1 1/2"	100/250/400	495	291	329	146	130	29	IHP 0730 N5	IHP 0730 N25	IHP 0730 M	IHP 0730 S	IHP 0730 A	CKL-IHP 0730	
IHP 094	2"	100/250/400	715	421	415	182	150	49	IHP 1030 N5	IHP 1030 N25	IHP 1030 M	IHP 1030 S	IHP 1030 A	CKL-IHP 1030	
									quality class - solids (ISO 8573-1)	-	-	2	1	1 ²⁾	-
									residual oil content [mg/m³]	-	-	<0,1	<0,01	<0,005	-
									quality class - oils (ISO 8573-1)	-	-	2	1	1	-
									pressure drop - new element [mbar / psi]	10 / 0,15	10 / 0,15	50 / 0,725	80 / 1,16	60 / 0,87	-
									change filter cartridge at pressure drop [mbar / psi]	-	-	350 / 5,07	350 / 5,07	6 months ¹⁾	-
									filter media	stainless steel mesh 1.4301	stainless steel mesh 1.4301	borosilicate micro fibres		activated carbon	-
									pleated version	-	-	✓	✓	-	-
									wrapped version	✓	✓	-	-	✓	-
									sintered version	-	-	-	-	-	-
									min. operating temperature (°C / °F)	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35
max. operating temperature (°C / °F)	65 / 149	65 / 149	65 / 149	65 / 149	45 / 113	65 / 149									

CORRECTION FACTORS							
Operating pressure [bar]	7	25	40	64	100	250	400
Operating pressure [psi]	100	362	580	928	1450	3625	5800
Correction factor	1	3	5	8	12	12	12

¹⁾ Filter elements "A," must be changed periodically to suit application, but at least every 6 months. Activated carbon filters must not operate in oil saturated conditions.

²⁾ Valid if "S" filter cartridge is installed upstream.