

# IHP SERIES

## STAINLESS STEEL HIGH PRESSURE FILTERS

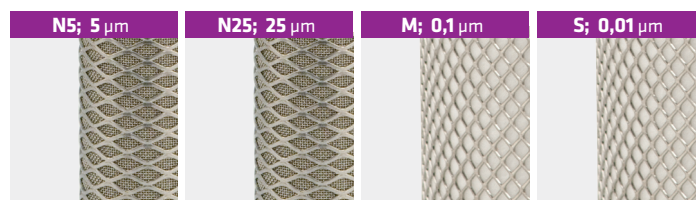
operating pressure	<b>100, 250, 400 bar</b>
volume flow rate	<b>40 to 715 Nm<sup>3</sup>/h</b>
connections	<b>1/4" to 2"</b>
operating temp. range	<b>1,5 to 65 °C</b>
material	<b>stainless steel 1.4301</b>

### APPLICATIONS

- general industrial applications
- automotive
- electronics
- food and beverage
- chemical
- petrochemical
- plastics
- paint

### 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. To meet the required compressed air quality appropriate filter element (n5, n25, M, S, A) must be installed into filter housing.



Drain valve





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	kg							
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	105	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	210	105	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	11,6	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	26,5	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 <sup>2)</sup>	-			
									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 <sup>1)</sup>	-
									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

<sup>1)</sup> 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.  
<sup>2)</sup> Valid if "S" filter cartridge is installed upstream.