

IHP SERIES

STAINLESS STEEL HIGH PRESSURE FILTERS

operating pressure	100, 250, 400 bar
volume flow rate	40 to 715 Nm³/h
connections	1/4" to 2"
operating temp. range	1,5 to 65°C
material	stainless steel 1.4301

APPLICATIONS

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



FILTER ELEMENTS

N5		5 µm stainless steel mesh
N25		25 µm stainless steel mesh
M		0,1 µm borosilicate micro fibres
S		0,01 µm borosilicate micro fibres
A		activated carbon borosilicate micro fibres

VALVE



DRAIN VALVE

DESCRIPTION

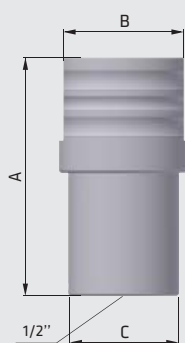
IHP stainless steel high pressure filters have been developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air systems. To meet the required compressed air quality appropriate filter element (n5, n25, M, S, A) must be installed into filter housing.



TECHNICAL DATA - IHP FILTERS

IHP - FILTER ELEMENTS

Filter housing size	Pipe size inch	Max. oper. pressure bar/psi	Flow rate at 7 bar(g), 20°C		Dimensions [mm]			Mass kg	IHP - FILTER ELEMENTS					
			Nm³/h	scfm	A	B	C		N5 5 µm	N25 25 µm	M microfilter 0.1 µm	S microfilter 0.01 µm	A activated carbon	CKL-IHP
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 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 14301	stainless steel mesh 14301	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.