

FILTER HOUSING – CHP

DESCRIPTION

CHP carbon steel high pressure filters have been specifically developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and other vapours from compressed air ⁽¹⁾ systems. To meet the required compressed air quality appropriate filter element must be installed into filter housing

APPLICATIONS ⁽²⁾

- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint
- General industrial application



⁽¹⁾ For any other technical gas please contact us or your local dealer

⁽²⁾ CHP filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.

TECHNICAL SPECIFICATION

Operating temperature ⁽³⁾	-10 - 120°C	14 - 248 °F
Operating pressure	0 – 100, 250, 420 bar(a)	0 – 1450, 3625, 6091 psi

⁽³⁾ Actual operating temperature depends on sealing material and type of filter element. (FKM on request)

MATERIALS

Housing material	Carbon steel (ANSI A-105)
Fittings, Screws	Stainless steel (1.4404)
Corrosion protection	Chemical nickel plating (15µm)
Sealing	NBR ⁽⁴⁾ with PTFE backup ring
Lubricant	Shell cassida grease RLS 2

⁽⁴⁾ FKM sealing material on request.

MAINTENANCE

Replace filter element at least every 12 months or follow the instructions for specific filter element. Once per year make a visual check of filter housing and make sure there is no visual damage.

SIZES

TYPE	PIPE SIZE [inch]	FILTER ELEMENT	FLOW CAPACITY		DIMENSIONS [mm]				VOLUME [l]	MASS [kg]
			[m³/h]	[scfm]	A	B	C	D		
CHP 003	1/4	CHP0305	40	23,5	182	98	104	30	0,19	7,6
CHP 005	3/8	CHP0310	70	41,2	182	98	104	30	0,20	7,6
CHP 007	1/2	CHP0420	130	76,5	230	118	129	36	0,40	15,3
CHP 010	3/4	CHP0520	195	115	254	118	129	36	0,48	16,1
CHP 018	1	CHP0525	275	162	276	145	158	46	0,76	26,5
CHP 030	1 1/4	CHP0725	380	223	328	145	158	46	0,98	28,6
CHP 047	1 1/2	CHP0730	495	291	385	195	216	65	2,2	65,9
CHP 094	2	CHP1030	715	421	460	195	216	65	2,9	71,4

Flow capacity at 7 bar(g), 20°C

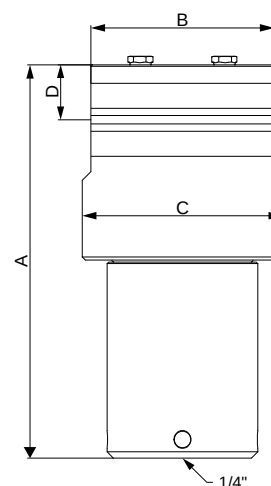
Standard is BSP pipe connection, other pipe connection on request.

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 2)

CHP 003 - CHP 030	Article 4.3
CHP 047	Category 2, Module H
CHP 094	Category 3, Module H

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)⁽⁵⁾

CHP 003 - CHP 047	Category 3, Module H
CHP 094	Category 4, Module H1

⁽⁵⁾ Fluid group must be specified in the order, if not standard fluid group 2 is selected.

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).

CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	7	25	40	64	100	250	420
[psi]	100	362	580	928	1450	3625	6091
C _{OP}	1	3	5	8	12	12	12

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	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015	
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