

FILTER	FLOW	PIPE	A	B	C	D	Mass	Cart.
TYPE	Nm ³ /h SCFM	inch	mm inch	mm inch	mm inch	mm inch	kg lb	No.
FH 1.10	60 35	3/8	187 7 3/8	88 3 1/2	21 13/16	60 2 3/8	0,7 1,54	1
FH 2.13	78 46	1/2	187 7 3/8	88 3 1/2	21 13/16	60 2 3/8	0,7 1,54	1
FH 3.20	120 70	3/4	256 10 1/16	88 3 1/2	21 13/16	80 3 1/8	0,8 1,76	1
FH 4.30	198 116	1	262 10 5/16	125 4 15/16	33 1 5/16	100 3 7/8	1,9 4,19	1
FH 5.56	335 197	1	362 14 1/4	125 4 15/16	33 1 5/16	120 4 11/16	2,4 5,29	1
FH 6.85	510 300	1 1/2	452 17 3/4	125 4 15/16	33 1 5/16	140 5 1/2	2,8 6,17	1
FH 7.13	780 459	1 1/2	643 25 5/16	125 4 15/16	33 1 5/16	160 6 1/4	3,7 8,15	1
FH 8.16	1000 588	2	695 27 3/8	163 6 3/8	48 1 7/8	520 20 1/2	5,3 11,68	1
FH 9.25	1500 882	2	935 36 3/4	163 6 3/8	48 1 7/8	770 30 5/16	9,3 20,5	1
FH 10.46	2760 1620	3	1040 40 15/16	240 9 1/2	60 2 3/8	780 30 11/16	19,3 42,55	1

Correction factors

Operat. pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correct. factor	0,38	0,52	0,63	0,75	0,88	1,00	1,13	1,26	1,38	1,52	1,65	1,76	1,87	2,00	2,14

2. Filter cartridges

The FH - filter cartridge production includes 6 filtration stages (B, P, R, M, S in A) which are designet to remove particulates, water, oil vapours, taste and odours from compressed air. The design of filter media ensures the effective and efficient removal of most contaminates in compressed air systems. Note this filters will not remove carbon monoxide or carbon dioxide.

All materials are suitable for operation in the temperature range from 0 to 120°C (32 to 248°F). They are corrosion-proof and suitable for most applications. The filterand cartridge size is determined by the compressed air flow. They are all designed for operation up to 16 barg (232 psig).



FILTER ELEMENT	CAPACITY	CAPACITY	MODEL	CORRESP.	GROSS PRICE
HFE MODEL	Nm3/h*	SCMF		FILTER	IN €

HFE.01/...	60	35	B P M R S A	FH 1.10	29,00
HFE.02/...	78	46	B P M R S A	FH 2.13	36,00
HFE.03/...	120	70	B P M R S A	FH 3.20	45,00
HFE.04/...	198	116	B P M R S A	FH 4.30	57,00
HFE.05/...	335	197	B P M R S A	FH 5.56	81,00
HFE.06/...	510	30	B P M R S A	FH 6.85	98,00
HFE.07/...	780	459	B P M R S A	FH 7.13	125,00
HFE.08/...	1000	588	B P M R S A	FH 8.16	179,00
HFE.09/...	1500	882	B P M R S A	FH 9.25	218,00
HFE.10/...	2760	1620	B P M R S A	FH 10.46	320,00



	B	P	R	M	S	A
Filter type	sintered	prefilter	prefilter	microfilter	microfilter	activated carbon
	15 mic.	3 mic.	1 mic.	0,1 mic.	0,01 mic.	-
FH 1.10	HFE.01/B	HFE.01/P	HFE.01/R	HFE.01/M	HFE.01/S	HFE.01/A
FH 2.13	HFE.02/B	HFE.02/P	HFE.02/R	HFE.02/M	HFE.02/S	HFE.02/A
FH 3.20	HFE.03/B	HFE.03/P	HFE.03/R	HFE.03/M	HFE.03/S	HFE.03/A
FH 4.30	HFE.04/B	HFE.04/P	HFE.04/R	HFE.04/M	HFE.04/S	HFE.04/A
FH 5.56	HFE.05/B	HFE.05/P	HFE.05/R	HFE.05/M	HFE.05/S	HFE.05/A
FH 6.85	HFE.06/B	HFE.06/P	HFE.06/R	HFE.06/M	HFE.06/S	HFE.06/A
FH 7.13	HFE.07/B	HFE.07/P	HFE.07/R	HFE.07/M	HFE.07/S	HFE.07/A
FH 8.16	HFE.08/B	HFE.08/P	HFE.08/R	HFE.08/M	HFE.08/S	HFE.08/A
FH 9.25	HFE.09/B	HFE.09/P	HFE.09/R	HFE.09/M	HFE.09/S	HFE.09/A
FH 10.46	HFE.10/B	HFE.10/P	HFE.10/R	HFE.10 M	HFE.10/S	HFE.10/A

HITEMA[®]

Package water chillers
 Dry coolers heating pumps
 Rooftop

	B	P	R	M	S	A
solid particle size [microns]	15	3	1	0,1	0,01	-
quality class - solids (ISO 8573-1)	4	3	2	1	1	-
residual oil content [mg/m ³]	-	-	-	0,1	0,01	0,005
quality class - oils (ISO 8573-1)	-	-	-	2	1	1
pressure drop -new element [mbar/psi]	30 0,43	40 0,58	<50 <0,72	<80 <1,16	<90 <1,3	120 1,74
change cartridge at pressure drop [mbar/psi]	600 8,7	600 8,7	600 8,7	600 8,7	600 8,7	6 months
filter material	sintered bronze	acrole fibres, cellulose	acrole fibres, cellulose	borosilic. micro fibres	borosilic. micro fibres	active carbon
pleated version	-	+	+	+	+	-
wrapped version	-	+	+	+	+	+
sintered version	+	-	-	-	-	-

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.