

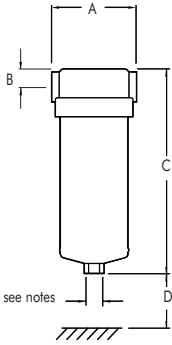
## HIGH TEMPERATURE DUST FILTERS



Walker Filtration research, design and manufacture in the UK a comprehensive range of compressed air and gas high temperature filters for use in specialist applications where the temperature of the compressed air exceeds that recommended for the standard Walker range of filter products (120°C/248°F). These products are often installed downstream of heat reactivated adsorption compressed air dryers where for short periods of time the temperature of the air may reach

250°C/480°F as a maximum. Applications for high temperature filters are not only restricted to heated dryer installations, where high efficiency compressed air and gas filters are needed to operate within such arduous conditions. Walkers' expertise will allow the correct selection and installation of filters for filter efficiency ratings of 5, 1 and 0.01 micron. Within our standard range we offer connection sizes of 1/4" to 2" (models HT25 to HT201) with various flow rates up to 675 scfm (1150 Nm<sup>3</sup>/h). These filters incorporate the use of a stainless steel tie rod to secure the filter element. This filter range is manufactured from the highest quality 316 grade stainless steel.

 **WALKER**  
FILTRATION



Models HT 25 to HT 201

FILTER MODEL	PIPE SIZE	FLOW RATE		ELEMENT MODEL	NUMBER OF ELEMENTS	DIMENSIONS mm				WEIGHT		DIMENSIONS inch				FILTER MODEL
		Nm <sup>3</sup> /h	SCFM			A	B	C	D	Kg	lb	A	B	C	D	
HT25 (grade)	1/4	35	20	E50 (grade)	1	85	18	170	75	1.7	3.8	3 1/2	3/4	7	3	HT25 (grade)
HT31 (grade)	3/8	52	30	E51 (grade)	1	85	18	205	100	2.0	4.4	3 1/2	3/4	9	4	HT31 (grade)
HT50 (grade)	1/2	108	63	E52 (grade)	1	85	18	225	100	2.2	4.9	3 1/2	3/4	9	4	HT50 (grade)
HT75 (grade)	3/4	216	127	E715 (grade)	1	110	27	270	150	4.0	8.8	4 1/2	1	11	6	HT75 (grade)
HT101 (grade)	1	300	176	E730 (grade)	1	110	27	420	300	5.0	11	4 1/2	1	17	12	HT101 (grade)
HT150 (grade)	1 1/2	725	427	E830 (grade)	1	150	45	525	300	15	33	6	1 3/4	21	12	HT150 (grade)
HT200 (grade)	2	800	470	E830 (grade)	1	150	45	525	300	15	33	6	1 3/4	21	12	HT200 (grade)
HT201 (grade)	2	1150	675	E86 (grade)	1	150	45	825	500	21	46	6	1 3/4	33	20	HT201 (grade)

SPECIFICATION	GRADE HRX5		GRADE HRX1		GRADE HRXA	
Particle removal	5 micron		1 micron		0.01 micron	
Maximum temperature	250°C	482°F	250°C	482°F	250°C	482°F
Pressure loss - clean & dry	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi
Pressure loss - change element	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap material	zinc plated carbon steel					

## NOTES

- High temperature filters are manufactured from 316 grade stainless steel and are uncoated.
- Threaded connections are BSP parallel to ISO7/1 or NPT to ANSI B2.1 if supplied within North America .
- Filter element end caps are carbon steel. Direction of air flow, out to in through filter element.
- High temperature threaded filters are supplied without drain valve. Drain ports are 1/8" on models HT25 to HT50 and 1/4" on models HT75 to HT201.
- Mounting brackets are available for all models.
- Inlet and outlet pressure gauges can be supplied.
- High temperature filters are silicone free.

## CORRECTION FACTOR

For maximum flow rate, multiply model flow rate shown in the above table by the correction factor corresponding to the working pressure.

Operating pressure	barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10
		psi	4	9	14.5	29	44	58	72	87	100	115	130
Correction factor		0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19



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