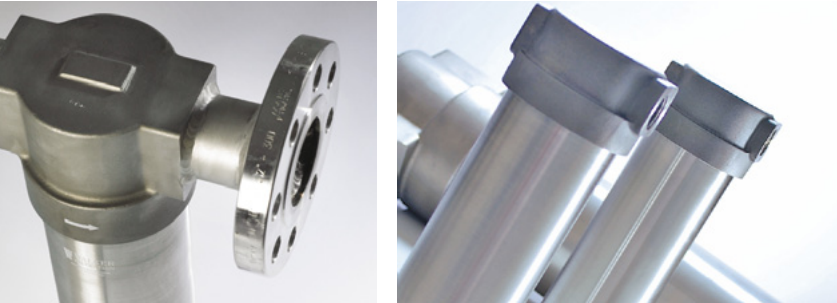


Ammonia & Refrigerant Filters



A comprehensive range of ammonia and refrigerant filters for specialist applications where the quality of gas needs to be maintained to the highest levels.

8 stainless steel filter housings with connection sizes of 1/4" to 2" with flow rates up to 1150 Nm³/h (675 SCFM). This threaded range is precision engineered in high grade stainless steel.

Unique media delivers exceptional filtration

Our custom engineered filter media delivers exceptional filtration with minimum pressure drop. Threaded filters incorporate the unique Walker designed 'push fit' filter elements which reduces maintenance time and allows the filter to be located within the most confined places.

Exceptional filtration whilst minimising pressure drop



Applications include

Chemical

Food & Beverage

Manufacturing



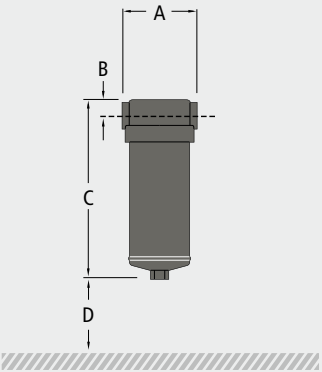
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INTERNATIONAL TRADE
2012





Technical Specification

filter model	pipe size	flow rate		dimensions (mm)				weight Kg	element model
		Nm ³ /h	SCFM	A	B	C	D		
C25 (grade)	¼	35	20	85	18	170	75	1.7	E50 (grade)
C37 (grade)	⅜	52	30	85	18	205	100	2.0	E51 (grade)
C50 (grade)	½	108	63	85	18	255	100	2.2	E52 (grade)
C75 (grade)	¾	216	127	110	27	270	150	4.0	E715 (grade)
C101 (grade)	1	300	176	110	27	420	300	5.0	E730 (grade)
C150 (grade)	1½	725	427	150	45	525	300	15	E830 (grade)
C200 (grade)	2	800	470	150	45	525	300	15	E830 (grade)
C201 (grade)	2	1150	675	150	45	825	500	21	E86 (grade)



C25 (grade) to C201 (grade)

	Grade X1 NH ₃		Grade XA NH ₃	
	1 micron	0.1 ppm	0.01 micron	0.01 ppm
Particle removal	1 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	0.1 mg/m ³	0.1 ppm	0.01 mg/m ³	0.01 ppm
Maximum temperature	120°C	248°F	120°C	248°F
Pressure loss - clean & dry	75 mbar	1.1 psi	100 mbar	1.5 psi
Pressure loss - oil saturated	150 mbar	2.2 psi	300 mbar	4.4 psi
Pressure loss - change element	400 mbar	6.0 psi	400 mbar	6.0 psi
Maximum working pressure	16 barg	232 psig	16 barg	232 psig
Maximum working vacuum	full vacuum		full vacuum	
Element end cap material	stainless steel		stainless steel	

pressure correction factors for maximum flow rate, multiply model flow rate by the correction factor corresponding to the pressure

Operating pressure barg (psig)	4 (58)	5 (72)	6 (87)	7 (100)	8 (115)	10 (145)	12 (174)	14 (203)	16 (232)
7 barg - correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

technical notes

- 1 Threaded ammonia and refrigerant filters are manufactured from stainless steel.
- 2 Direction of air flow is inside to out through the filter element.
- 3 Models C25 to C201 are supplied with a drain plug.
- 4 All ammonia and refrigerant filters are PED compliant for Group 1 Gases.
- 5 Threaded connections are Rp (BSP parallel) to ISO 7/1 or NPT to ANSI B2.1 if supplied within North America.
- 6 For NPT connections, add the suffix N e.g. C200SSXANH₃N
- 7 Filters are suitable for use with mineral and synthetic oils, plus oil-free compressed air applications.
- 8 Filter elements should be changed every 12 months / 8000 hours (whichever comes first).