

ERISCIL

CYLINDRICAL ABSOLUTE FILTERS



TYPICAL APPLICATIONS

To be used for high efficiency or absolute filtration in controlled contamination environments, installed in final diffusers. These filters are especially used in operating theatres and hospital premises.

TECHNICAL CHARACTERISTICS

MEDIA = Glass fibre paper

SEPARATORS = Cotton threads with hot melt gluing.

FRAME = Aluminium flanges and outside face guard.

SEALANT = Two components cold moulded polyurethane.

GASKET = Circular expanded rubber gasket (foamed neoprene).

EFFICIENCY

EUROVENT 4/4 FILTRATION CLASS			CEN-EN 1822 FILTRATION CLASS		
CODE	CLASS	Initial Efficiency Ei %	CLASS	Filters global efficiency % for MPPS particles	Local efficiency % for MPPS particles
AH ST	EU10	$95 \leq Ei < 99,9$	H10	$\geq 85 \%$	-
	EU13	$99,99 \leq Ei < 99,999$	H13	$\geq 99,95 \%$	99,75 %

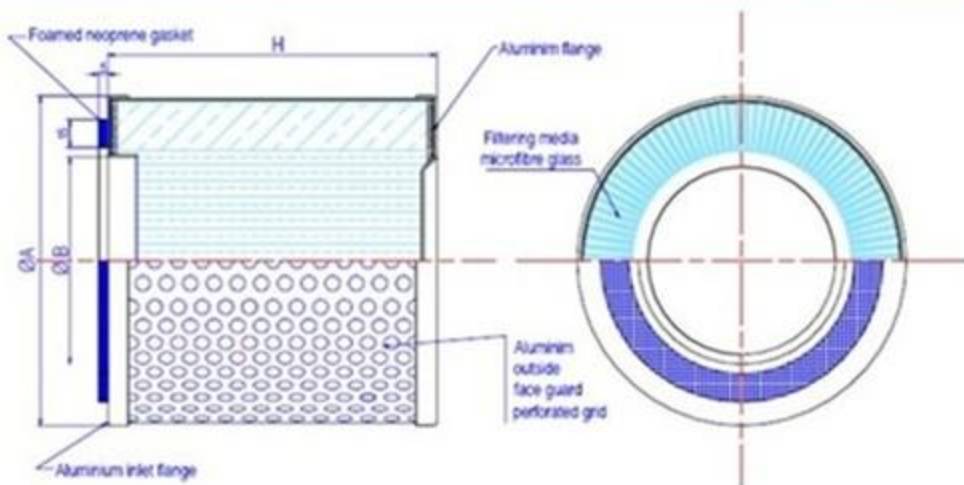
TESTING = Each filter individually tested according smoke test DIN 24183

MAXIMUM TEMPERATURE = 80°C max.

RELATIVE HUMIDITY = 100% max.

ANTIBACTERIAL TREATMENT ON REQUEST

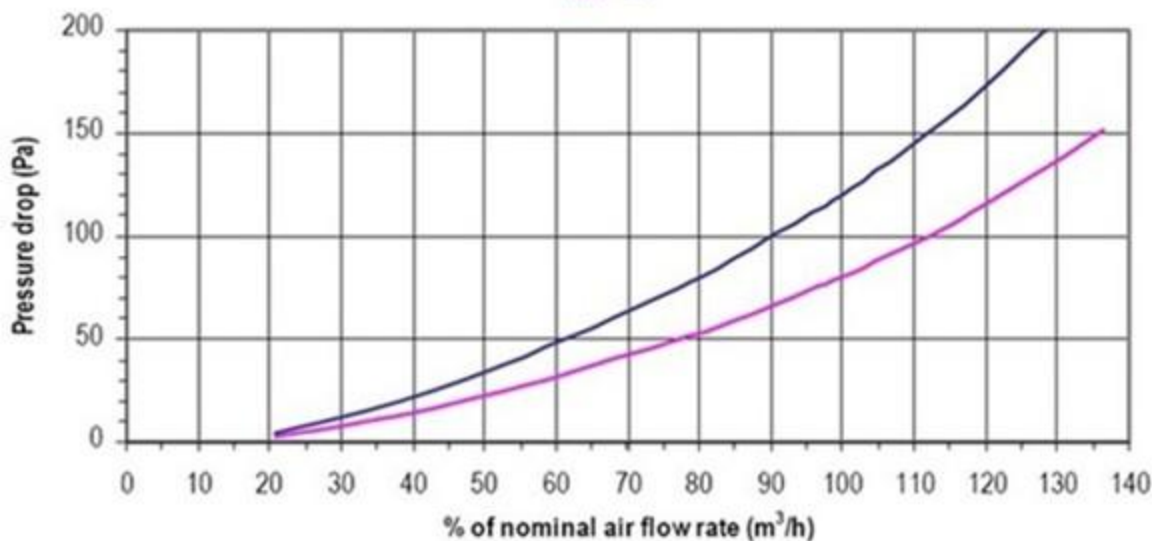
ERISCIL CYLINDRICAL ABSOLUTE FILTERS STANDARD SIZES



CODE	Dimensions $\phi A \times \phi B \times H$ mm	Nominal Flow rate m^3/h	Filtering surface m^2	Initial Pressure Drop Pa		Volume m^3	Weight kg
				AH	ST		
CL 49 __ 00	175 x 110 x 175	90	1,15	80	120	0,004	0,70
CL 50 __ 00	175 X 110 X 175	130	1,65	80	120	0,004	0,70
CL 51 __ 00	175 X 110 X 226	170	2,15	80	120	0,005	0,85

Initial pressure drop as a function of the % of nominal air flow rate

AH - ST



- ⇒ Suggested final pressure drop ≤ 600 Pa
- ⇒ Maximum final pressure drop ≤ 800 Pa (AH model)
- ⇒ Maximum final pressure drop ≤ 1000 Pa (ST model)