

ROX fluff separator, type RAC

Description

The fluff separator, type RAC, was specifically designed for use in hospitals demanding the highest hygiene standards in the hospital sector. It meets the requirements of DIN 1946, part 4.

Fluff separators are designed to remove air contamination caused by abrasion of OR textiles. They are used both in extract air and overflow air vents.

They protect air ducts and system components from fluff deposits and enable the economical and trouble-free operation of air handling units. Two versions are available for integration into a different wall constructions.

Version E: for flush mounting

Version A: for surface mounting

Tender documentation

Ceiling mounted air intake

- Fluff separators for extract air and overflow from ORs for integration in or mounting on extract ducts, comprising the following:
- Stainless steel mounting frame for mounting the fluff separator and later integration into the on-site wall cladding/tiling
- Perforated stainless steel panel, 1.0 mm diameter.
- Robust stainless steel frame into which the perforated panel is tightly set.
- Captive knurled screws for easy mounting of the fluff separator on its frame.
- Stainless steel version (1.4301 (V2A)), visible surfaces are polished (grade 180).
- The fluff separator can be easily removed from its mounting frame without tools for cleaning and disinfection.

Airflow rate: _____ m³/h

Width/height: _____ mm

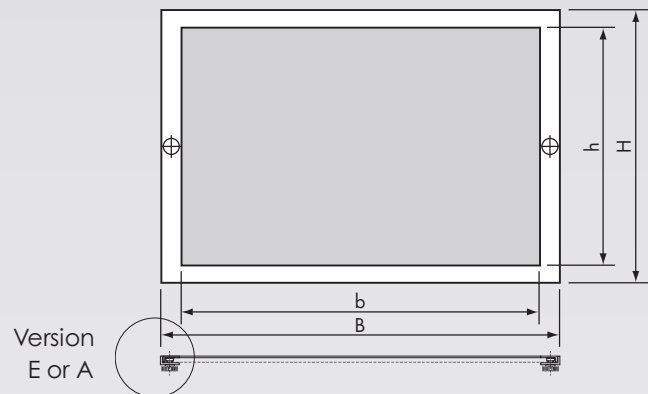
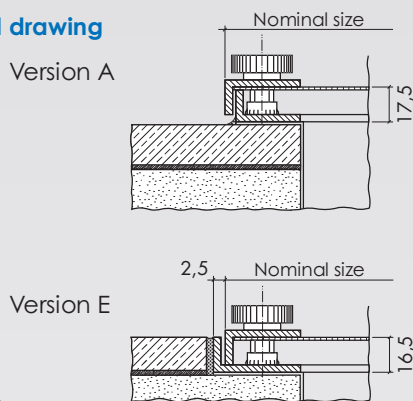
Version: E/A

Make: ROX

Version: RAC

Installed size: _____

Dimensioned drawing



Specification

Size	Nominal size		Inter. dim.		Nominal airflow rate \dot{V} in m ³ /h/sound power level L_{WA} in dB(A) at											
	B in mm	H in mm	B in mm	H in mm	$\Delta p = 19 \text{ Pa}$ $w = 1.0$		$\Delta p = 29 \text{ Pa}$ $w = 1.3$		$\Delta p = 42 \text{ Pa}$ $w = 1.6$		$\Delta p = 58 \text{ Pa}$ $w = 1.9$		$\Delta p = 77 \text{ Pa}$ $w = 2.2$		$\Delta p = 99 \text{ Pa}$ $w = 2.5$	
1	325	125	275	75	74	1,0	97	9,5	119	16,5	141	22,5	163	27,5	186	31,5
2	225	225	175	175	110	3,0	143	11,5	176	18,5	209	24,5	243	29,5	276	33,5
3	425	125	375	75	101	2,0	132	20,5	162	17,5	192	23,5	223	28,5	253	32,5
4	325	225	275	175	173	5,0	225	13,5	277	20,5	329	26,5	381	31,5	433	35,5
5	425	225	375	175	236	6,0	307	14,5	378	21,5	449	27,5	520	32,5	591	36,5
6	525	225	475	175	299	7,0	389	15,5	479	22,5	569	28,5	658	33,5	748	37,5
7	425	325	375	275	371	8,0	483	16,5	594	23,5	705	29,5	817	34,5	928	38,5
8	625	225	575	175	362	8,0	471	16,5	580	23,5	688	29,5	797	34,5	906	38,5
9	525	325	475	275	470	9,0	611	17,5	752	24,5	893	30,5	1035	35,5	1176	39,5
10	825	225	775	175	488	9,0	635	17,5	781	24,5	928	30,5	1074	35,5	1221	39,5
11	625	325	575	275	569	10,0	740	18,5	911	25,5	1082	31,5	1252	36,5	1423	40,5
12	625	425	575	375	776	11,0	1009	19,5	1242	26,5	1475	32,5	1708	37,5	1941	41,5
13	825	325	775	275	767	11,0	997	19,5	1228	26,5	1458	32,5	1688	37,5	1918	41,5
14	825	425	775	375	1046	13,0	1360	21,5	1674	28,5	1988	34,5	2302	39,5	2616	43,5

L_{WA} = sound power level in dB(A)

Δp = pressure drop in Pa

w = throughput velocity in m/s



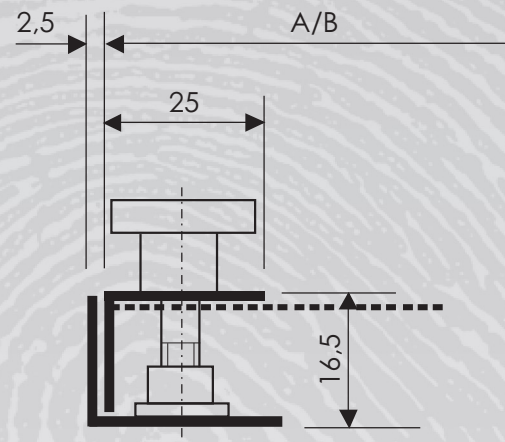
Alternative dimensions on request

This specification is provided as an example only. Please check with us for your individual case.

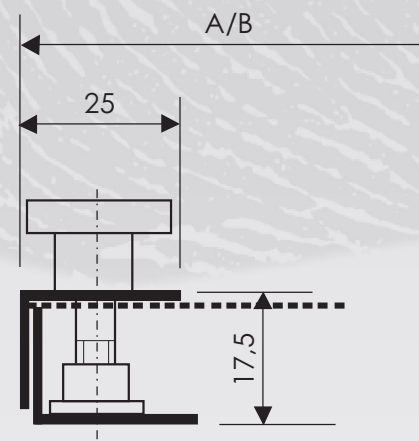
Subject to technical modifications.

Versions of type RAC

Version
RAC-E



Version
RAC-A



Version
RAC-Z

