

Jet-Air Filter type R



Filter type R is an efficient round filter, designed for continuous operation, if dust particles are to be separated for environmental reasons.

Automatic cleaning of the filter bags effected by the efficient cleaning system ensures a stable, low pressure drop. The dust emission can often be reduced to less than 10 mg/m³ air, i.e. far below normal legal requirements.

The filter is of solid steel construction. It is tested and approved as pressure and impact-proof filter. In Germany it

is TÜV approved. The filter is therefore able to stand any strain, e.g. high pressure, under extreme conditions.

The bag holders are telescopic. The bags are thus retained in their entire length, resulting in 100% efficient filter area.

In connection with change of the bags, the bag holders are to be attached by means of spring hooks. This makes it easy to take off and put on new filter bags both from the clean air chamber and through the inspection doors.

The filter bags are made of first-class materials, ensuring a high degree of separation, which depends on the particles to be separated.

The cleaning of the bags is ensured by means of an electronic control with adjustable pulse and pause time (cleaning time), determined by the differential pressure over the filter bags. The filter is provided with an extra large pressure tank, ensuring efficient cleaning of the filter bags.

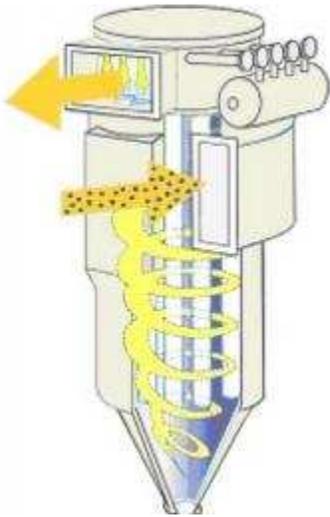
Extra equipment

- Explosion relief
- Parted baskets
- Support for filter
- Rotary valve for dust
- Platform for bag change
- Compressor

Damas
OPTIMIZING CROP YIELD

FILTER TYPE R DATA

Function

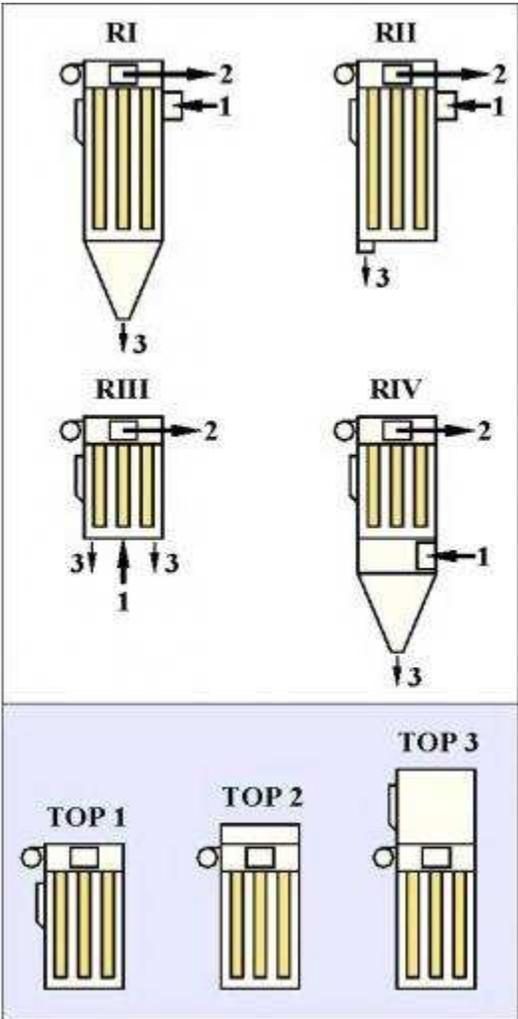


The dust-laden air is led through the cyclone-shaped inlet into the filter chamber. Here the air penetrates the filtering material and is discharged through the clean air outlet in the top section. The filtering material, holding back dust particles, is cleaned by means of compressed air by the efficient cleaning system, thereby disengaging the dust particles, which are discharged through the outlet at the bottom.

Total filter area

Bag length	m	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
Filter area											
7 bags	m ²	3.1	4.7	6.2							
12 bags	m ²	5.4	8.0	10.7	13.4	16.1	18.7				
19 bags	m ²	8.5	12.7	17.0	21.2	25.4	29.7	33.9	38.1	42.4	46.6
28 bags	m ²		18.7	25.0	31.2	37.5	43.7	50.0	56.2	62.5	68.7
41 bags	m ²		27.4	36.6	45.7	54.9	64.0	73.2	82.3	91.5	100.6
50 bags	m ²		33.5	44.6	55.8	66.9	78.1	89.2	100.4	111.5	122.7
67 bags	m ²		44.8	59.8	74.7	89.7	104.6	119.6	134.5	149.4	164.4
82 bags	m ²		54.9	73.2	91.5	109.7	128.0	146.3	164.6	182.9	201.2
95 bags	m ²		63.6	84.8	106.0	127.1	148.3	169.5	190.7	211.9	233.1
110 bags	m ²		73.6	98.1	122.7	147.2	171.8	196.3	220.8	245.4	269.9
124 bags	m ²		83.0	110.6	138.3	166.0	193.6	211.3	248.9	276.6	304.2
144 bags	m ²		96.4	128.5	160.6	192.7	224.8	257.0	289.1	321.2	353.3
164 bags	m ²		109.7	146.3	182.9	219.5	256.1	292.6	329.2	365.8	402.4
182 bags	m ²		121.8	162.4	203.0	243.6	284.2	324.8	365.4	406.0	446.6

Types of filters



- Top 1: Bag change via inspection door
- Top 2: Bag change above
- Top 3: Bag change above with penthouse