

Reverse Pulse Vacuum Filters

RST Series 1" - 4"

Overview

The reverse pulse RST Series incorporates split second bursts of pressurized air to create a powerful shock wave that cleans the filter element and extends its service life. Quick pulses cause particulate sitting on the element's pleated surface area to release and collect in the drop out area of the filter housing. Pulses can be repeated as required and can occur during a running process because the split second air bursts have minimal effect on the process pressure. (Optional pulse kit is available.)

Benefits

- Superior level of filtration offers enhanced equipment protection (PTFE style elements)
- Extends the life of filter element, reducing overall cost
- See-through design allows for instant visual inspection

Features

- See-through bucket made from shatter resistant polycarbonate material
- High tensile strength permits dimensional stability
- Integrated inlet baffle
- Tap on center of cast head for optional reverse pulse kit air pulse rod: $\frac{3}{8}$ " tap on 1" sizes, $\frac{3}{4}$ " tap on 2 - 4" sizes
- Sturdy hook clamps secure bucket to head

Technical Specifications

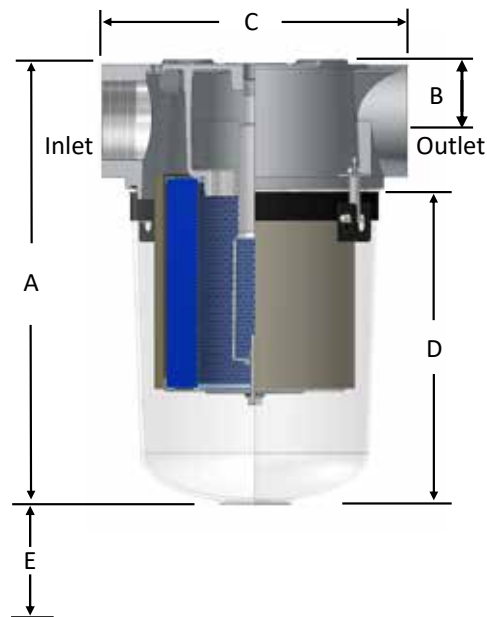
- Vacuum rating: medium vacuum service
- PTFE media: 0.3 micron, 99.5% efficiency
- Temperature ratings:
 - Complete assembly: max 104°C (220°F)
 - See-through bucket only: max 125°C (257°F)



Options

- Carbon steel bucket (RCT)
- Extended bucket (RSTD)
- Alternate media
- Taps for gauges and mounting brackets

Rev: EU2402C2



Inlet/Outlet Size	Type	Assembly m ³ /hr Rating	Assembly Part Number PTFE	Dimensions - mm				Suggested Service ht. E	Approx. Weight (kg)	Replacement Element Part No. PTFE	Element m ³ /hr Rating
				A	B	C	D				
1"	BSPP	68	RST-TF897-101C	342	39	178	264	228	5.4	TF897	68
1 ¼"	BSPP	68	RST-TF897-126C	342	39	178	264	228	5.4	TF897	68
1 ½"	BSPP	68	RST-TF897-151C	342	39	178	264	228	5.4	TF897	68
2"	BSPP	112	RST-TF851/1-201C	434	50	229	315	228	7.2	TF851/1	112
2 ½"	BSPP	112	RST-TF851/1-251C	434	50	229	315	228	6.8	TF851/1	112
3"	BSPP	261	RST-TF235-301C	501	69	343	357	228	13	TF235	261
4"	BSPP	261	RST-TF235-401C	501	69	343	357	228	11	TF235	261

6" option available upon request.

Reverse Pulse Kit Option

The reverse pulse kit assembly is designed to hold an appropriate volume of pressurized air close to the housing which improves the effectiveness of the pulse. The compact assembly includes an accumulator vessel and solenoid valve that can be easily mounted to the RST filter series.

Kit Features

- Typical accumulator capacity 5 liters
- Maximum working pressure of accumulator vessel: 6 barg*
- CE marked vessel according to directive 2014/68/EU
- Solenoid valve: 24V DC, brass material with NBR seal

Kit Benefits

- Easily mounts to RST series housings
- Compact space saving design
- Improved pulse effectiveness

*6 barg rating only applies to accumulator tank. Internal housing pressure not to exceed 0,5 barg.

Rev: EU2402C2

