TECHNICAL DATA SHEET

VTRF Venturi pneumatic conveyor

Straight-through conveying vacuum pump in anodised aluminium

Sectors : Pharma and biotech · Food processing · Packaging · Industry

Features

- Straight-through design: fully open bore, very high suction flow.
- Six sizes available, bore from 6.5 to 38 mm.
- No moving parts, no electrical supply: runs on compressed air.

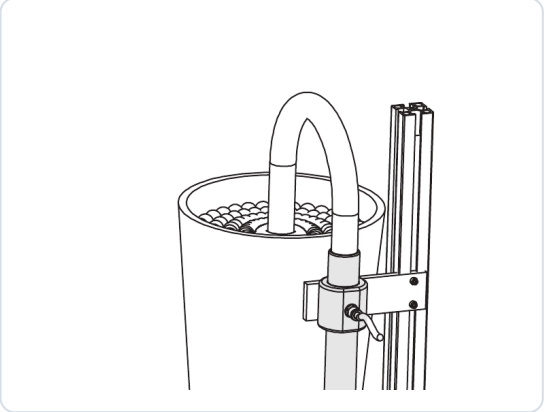
Advantages

- Conveys parts, particles, powders, gases and fluids, even highly permeable materials.
- No mechanical wear, virtually maintenance-free.
- Flow adjustable via the supply pressure.

Applications

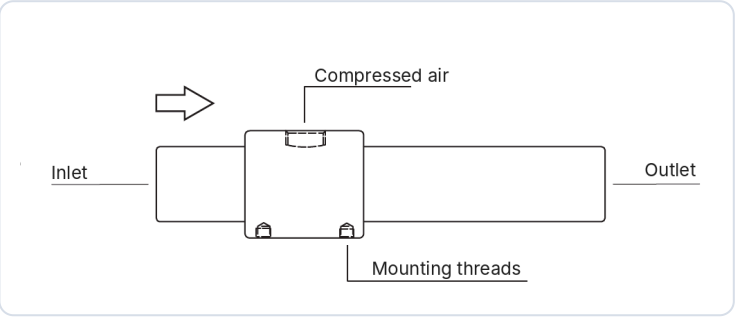
- Light bulk materials: textiles, paper, trim waste (edges of paper, film or fabric rolls).
- Grains: wheat, maize.
- Powders and granules: washing powder, plastic granules.
- Removal of machining chips.
- Suction of non-corrosive waste water and gases in industrial processes.





Design

- Straight-through design: continuously draws in and conveys various materials.
- Two mounting threads built into the body.
- VTRF 3-3: G3/8 female threaded inlet and outlet. Other sizes: spiral hose (steel wire reinforced) pushed over the ends.



VIRTUAVIA SARL · 2 rue Marcel Benoit · 38000 Grenoble · France
Tel. +33 4 58 00 15 74 · contact@convoyeur-pneumatique.com · www.convoyeur-pneumatique.com
RCS Grenoble 428 797 450 · VAT FR90428797450

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References and EAN codes

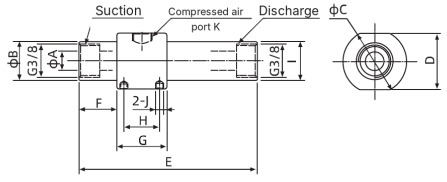
Model	Reference	EAN-13	Material	Weight (g)
VTRF 2-3	VTRF2-3-AL	3701666225406	Anodised aluminium	85
VTRF 3-3	VTRF3-3-AL	3701666225390	Anodised aluminium	69
VTRF 5-6	VTRF5-6-AL	3701666225383	Anodised aluminium	170
VTRF 7-6	VTRF7-6-AL	3701666225376	Anodised aluminium	388
VTRF 15-3	VTRF15-3-AL	3701666225369	Anodised aluminium	519
VTRF 15-6	VTRF15-6-AL	3701666225352	Anodised aluminium	659

Technical data

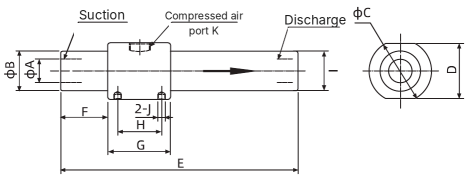
Model	Bore Ø (mm)	Supply pressure (bar)	Max. vacuum (−kPa)	Max. flow (NL/min)	Air consumption (NL/min)		Temperature (°C)
					at 2.8 bar	at 5.5 bar	
VTRF 2-3	6.5	6.0	26	295	85	160	−20 / +80
VTRF 3-3	9.5	6.0	16	425	95	170	−20 / +80
VTRF 5-6	12.5	6.0	35	870	395	680	−20 / +80
VTRF 7-6	19	6.0	28	1,825	790	1,365	−20 / +80
VTRF 15-3	25	6.0	4.4	4,400	405	695	−20 / +80
VTRF 15-6	38	6.0	9	5,610	790	1,365	−20 / +80

Dry, filtered compressed air. Maximum operating pressure: 7 bar.

Dimensions (mm)



VTRF 3-3 (G3/8 female threaded ports)



VTRF 2-3, 5-6, 7-6, 15-3 and 15-6

Model	ØA	ØB	ØC	D	E	F	G	H	I	J	K
VTRF 2-3	6.5	18.5	32	28	89	19	25	18	19.5	M4×0.7	G1/8
VTRF 3-3	9.5	18.5	32	28	89	19	25	18	19.5	M4×0.7	G1/8
VTRF 5-6	12.5	24	38	34	140	25	32	23	25	M4×0.7	G1/4
VTRF 7-6	19	31	50	45	190	38	50	35	33	M4×0.7	G3/8
VTRF 15-3	25	38	59	55	198	40	56	40	38	M4×0.7	G3/8
VTRF 15-6	38	49.6	69	65	205	40	60	42	49.6	M4×0.7	G3/8

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