TECHNICAL DATA SHEET

VTRA Venturi pneumatic conveyor

Adjustable conveying vacuum pump in anodised aluminium

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

Features

- Straight-through design: very high suction flow.
- Suction flow adjustable to the working conditions.
- Four sizes available, bore from 6.5 to 19 mm.

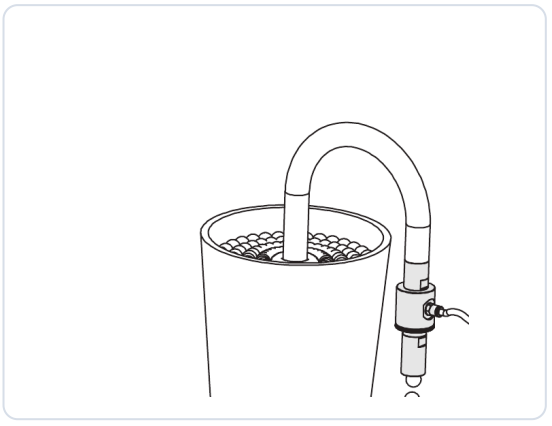


Advantages

- Conveys parts, particles, powders, gases and fluids, even highly permeable materials.
- Flow adjusted by hand, without tools, with the rotating ring.
- High vacuum (up to −84 kPa) for dense materials and long distances.

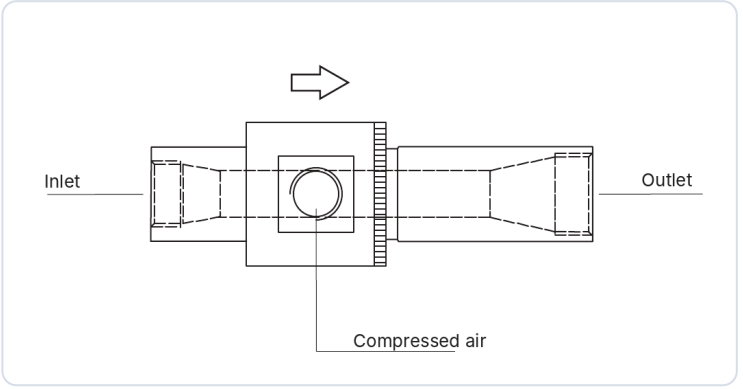
Applications

- Light bulk materials: textiles, paper.
- 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.
- All ports are female threaded (G pipe thread): G1 suction, G2 compressed air, G3 discharge.



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References and EAN codes

Model	Reference	EAN-13	Material	Weight (g)
VTRA 250	VTRA250-AL	3701666225345	Anodised aluminium	100
VTRA 375	VTRA375-AL	3701666225338	Anodised aluminium	286
VTRA 500	VTRA500-AL	3701666225321	Anodised aluminium	401
VTRA 750	VTRA750-AL	3701666225314	Anodised aluminium	540

Air consumption (NL/min) by vacuum level

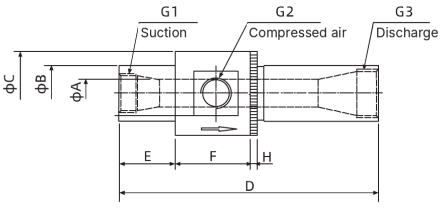
Model	Bore Ø (mm)	−17 kPa	−34 kPa	−50 kPa	−68 kPa	−84 kPa	Temperature (°C)
VTRA 250	6.5	112	169	233	276	342	−20 / +80
VTRA 375	9.5	176	327	485	595	825	−20 / +80
VTRA 500	13	340	625	795	940	–	−20 / +80
VTRA 750	19	650	875	1,250	1,790	–	−20 / +80

Suction flow (NL/min) by vacuum level

Model	Max. vacuum (−kPa)	−17 kPa	−34 kPa	−50 kPa	−68 kPa	−84 kPa
VTRA 250	84	280	240	200	162	125
VTRA 375	84	846	735	620	520	395
VTRA 500	70	1,695	1,325	1,130	990	–
VTRA 750	70	3,390	2,460	1,970	1,440	–

Supply pressure 5.5 bar. Flow is adjusted by hand with the rotating ring. VTRA 500 and VTRA 750: maximum vacuum level −70 kPa (no data at −84 kPa). Dry, filtered compressed air. Maximum operating pressure: 7 bar.

Dimensions (mm)



VTRA 250, 375, 500 and 750

Model	ØA	ØB	ØC	D	E	F	H	G1	G2	G3
VTRA 250	6.5	19	32	94–105	22	32	5	G1/4	G1/8	G1/4
VTRA 375	9.5	25	45	155–165	38	45	5	G3/8	G3/8	G1/2
VTRA 500	13	32	51	155–160	38	51	5	G1/2	G3/8	G3/4
VTRA 750	19	38	58	175–189	38	51	5	G3/4	G1/2	G1

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