

FEEDING

Blow-through Rotary Valves

Cast iron, 304, 316L stainless steel construction
Flow rates from 5 to 38 litres / rev.



Dosing of powder for feeding pneumatic convey systems

The valves are designed for controlled feeding of powdered or granulated materials in dilute and dense air transportation facilities.

TECHNICAL CHARACTERISTICS:

- After unloading in the upper cells, the rotor unloads the material by gravity in the compressed air current which runs through the lower part of the distributor. The material is transferred. In-line hook-up of the valve to the transfer pipework brings the material up to speed. A venting line may be connected to the valve body to balance volumes and ensure optimum filling.

Installations



General Presentation



Valves at the blower lorry outlet



Pneumatic transfer feed system



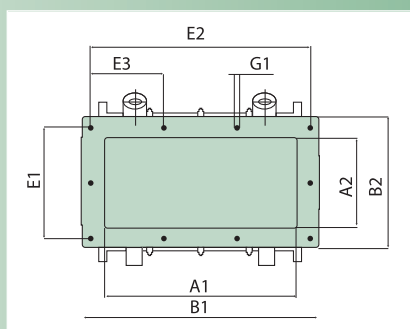
Pneumatic transfer feed system



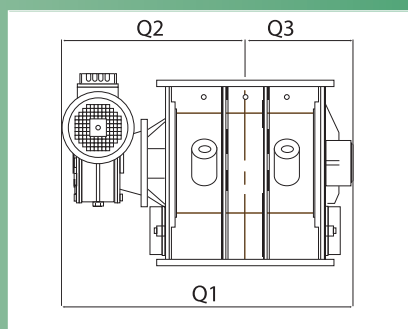
All stainless steel valve for pneumatic transfer of granulated plastic from storage silos



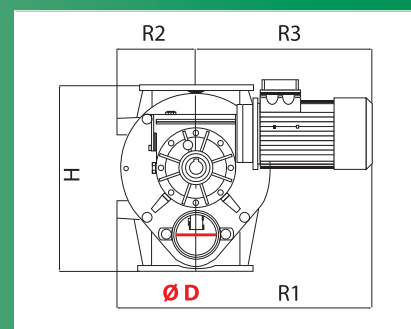
DIMENSIONS



Input flange



Dimensioned drawing



Type	Dimensions in mm								Motor	
	Q1	Q2	Q3	R1	R2	R3	H	Ø D	Kw	Tr/min ⁻¹
RVS/C 05	505	342	163	550	130	420	335	54	0.55	1 400
RVS/C 10	572	372	200	560	140	420	339	64	0.75	1 400
RVS/C 15	605	390	215	588	162	426	399	74	1.1	1 400
RVS/C 20	705	444	261	608	181	426	447	96	1.5	1 400
RVS/C 35	890	558	332	740	217	523	530	118	2.2	1 400
RVS/C 80	1 165	718	447	890	277	613	677	150	3	1 400

Type	Dimensions in mm								
	A1	A2	B1	B2	E1	E2	E3	G1	
RVS/C 05	170	122	234	184	164	210	105	M8	
RVS/C 10	238	135	298	200	172	270	135	M8	
RVS/C 15	276	148	342	222	194	310	155	M10	
RVS/C 20	337	196	428	278	250	390	195	M12	
RVS/C 35	470	240	585	352	300	540	180	M12	
RVS/C 80	569	284	710	426	370	645	215	M14	

FLOW RATES

- The table of theoretical flow rates should be weighted with the fill coefficient. This fill coefficient varies based on material fluidity and valve rotation speed. It varies between 60% and 90%.

Type	m ³ /h at 10 rpm.	m ³ /h at 20 rpm.	m ³ /h at 30 rpm.	Litres / rev.	Max. differential pressure	Operating temperature
RVS/C 05	3	6	9	5	0.7	-20°C-60°C
RVS/C 10	5.4	10.8	16.2	9	0.7	-20°C-60°C
RVS/C 15	8.4	16.8	25.2	14	0.7	-20°C-60°C
RVS/C 20	12	24	36	20	0.7	-20°C-60°C
RVS/C 35	22.8	45.6	68.4	38	0.7	-20°C-60°C
RVS/C 80	46.8	93.6	140.4	78	0.7	-20°C-60°C

OPTIONS & ACCESSORIES

- Gaskets: lubricated, cutback, or high-temperature resistant
- Rotor partialization
- Servo-ventilation motor
- Thermistors on the motor
- Blade wiper

Advantages:

- Compact, heavy duty construction
- ATEX, zone 22 version available
- Rotor: integral with beveled blades, with scrapers (Viton®, Vulkolan and Teflon®)
- Rotor surface treatment: nickel-plating, teflon, hardened blades

- Set rotor speed: 10, 20, 30 rpm.
- Fixed rotor speed: 4, 22, 30 rpm.
- Frame: cast iron or AISI 304 / 316 stainless steel
- Frame surface treatment: chrome-plating, nickel-plating, teflon
- Motors: direct through a reducer, through a coaxial vari-drive with chain transmission or no motor (bare shaft)

For further information: www.palamaticprocess.com

