

Rotary Airlock Feeder

Drop Through



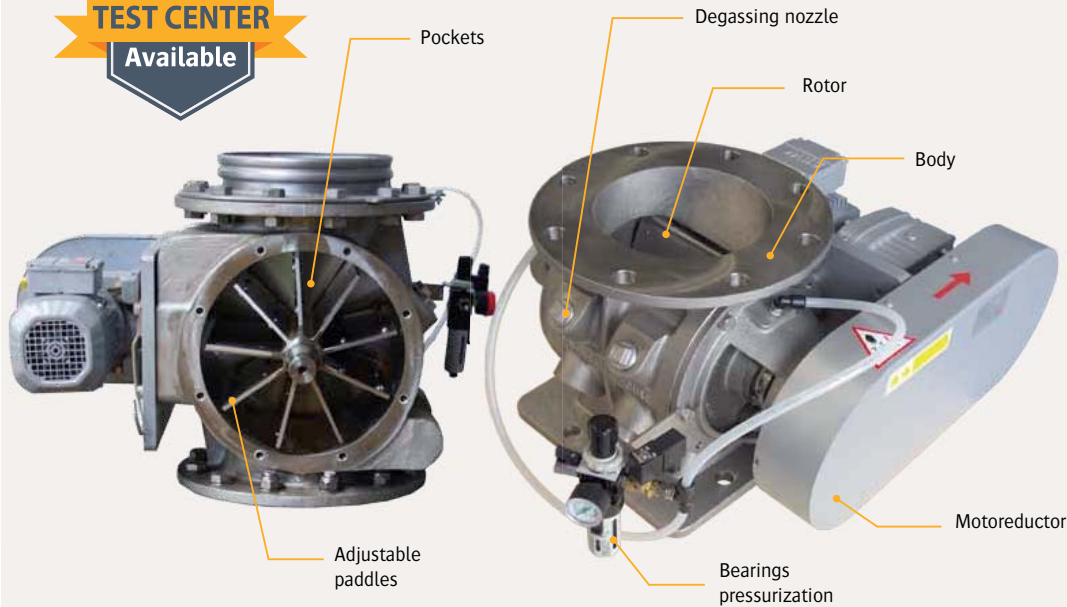
Capacity: 2.2 to 19.5 litres/revolution
Objectives: material extraction and feeding

Rotary airlock valves are used for the dosing, feeding or discharging of fine-grained and powdered materials or granulates contained in silos, hoppers, pneumatic conveying installations, filters or even cyclones.

Equipment

TEST CENTER

Available



TECHNICAL SPECIFICATIONS

Manufacturing materials: cast iron body or stainless steel
Surface treatment of the rotor: nickel plating, teflon, hardened paddles
Motorisation: direct or chain sprocket
Rotor: steel or stainless steel
Fixed rotor speed: 10, 20, 30 revolutions/min.
Variable rotor speed: 4-35 revolutions/min.
Capacity: 2.2 to 19.5 L/t.



▶ Easy access to internal mechanical parts for a quick and simple cleaning



▶ Compact and robust design



▶ ATEX version to resist to explosions and flame flow



▶ High feeding accuracy

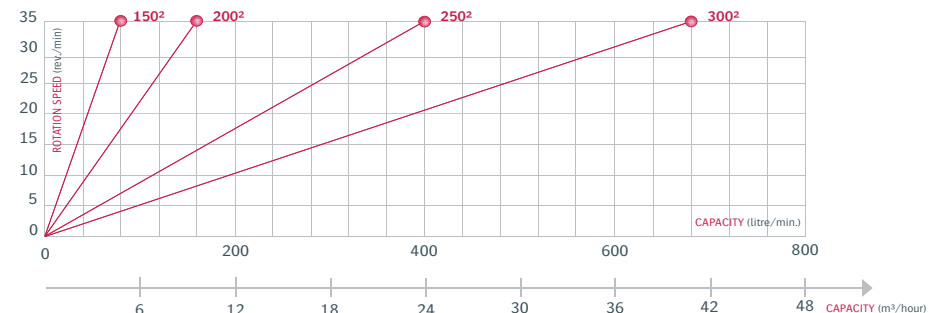
Advantages



▶ DROP THROUGH ROTARY VALVE RANGE

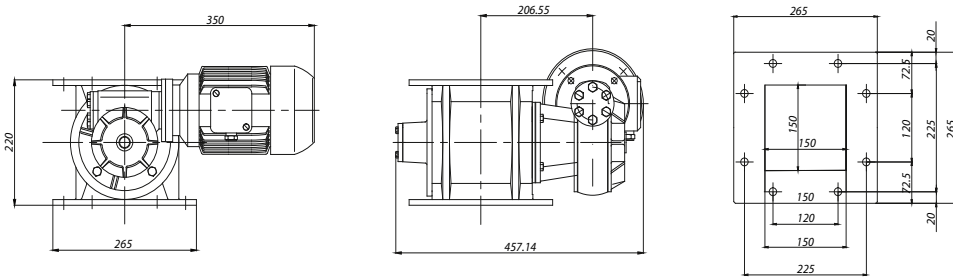


Models	150 ²	200 ²	250 ²	300 ²
Capacity (litres/rev.)	2.2	5.4	10.9	19.5
Flange section in mm.	150x150	200x200	250x250	300x300



Drop Through Rotary Airlock Feeder

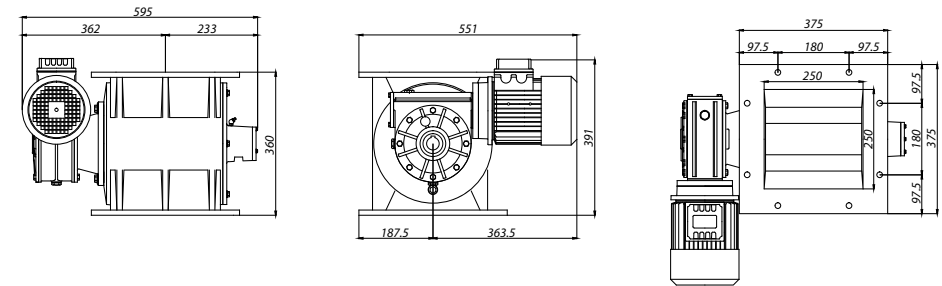
▶ DROP THROUGH ROTARY VALVE - 150²



10 rounds/min.					20 rounds/min.					30 rounds/min.				
Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)
1.1	0.85	0.37	190	73	1.98	0.75	0.5	155	58	2.6	0.65	0.5	110	58

* For medium to easy flowing product
** For a load factor of 100%

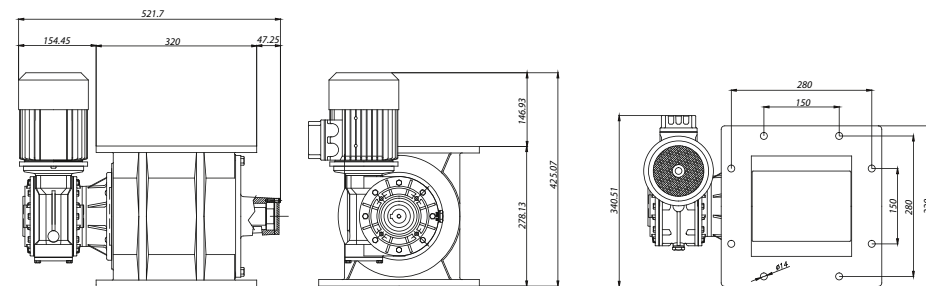
▶ DROP THROUGH ROTARY VALVE - 250²



10 rounds/min.					20 rounds/min.					30 rounds/min.				
Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)
5.6	0.85	0.5	300	140	9.81	0.75	0.75	250	123	12.8	0.65	1.1	240	123

* For medium to easy flowing product
** For a load factor of 100%

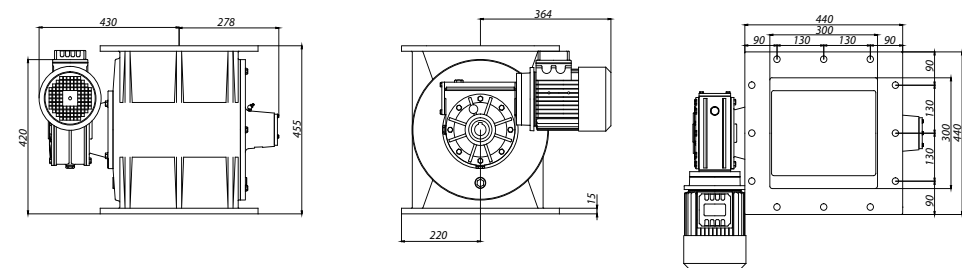
▶ DROP THROUGH ROTARY VALVE - 200²



10 rounds/min.					20 rounds/min.					30 rounds/min.				
Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)
2.8	0.85	0.37	190	88	4.86	0.75	0.5	155	73	6.3	0.65	0.75	150	73

* For medium to easy flowing product
** For a load factor of 100%

▶ DROP THROUGH ROTARY VALVE - 300²

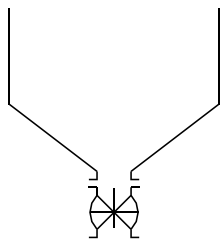


10 rounds/min.					20 rounds/min.					30 rounds/min.				
Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)	Flow rate m ³ /h.	Load factor *	Power KW	Torque **	Weight (kg)
9.9	0.85	0.75	400	195	17.6	0.75	1.1	360	181	22.8	0.65	1.5	300	181

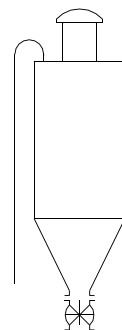
* For medium to easy flowing product
** For a load factor of 100%

▶ EXAMPLES OF INDUSTRIAL APPLICATIONS

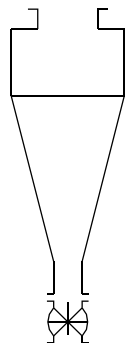
▶ Application under hopper



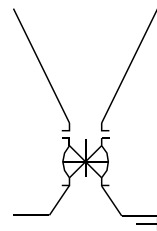
▶ Application under silo



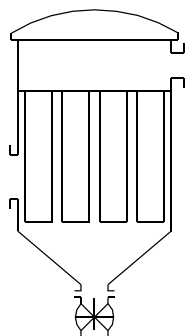
▶ Application under cyclone to separate material flow/conveying air



▶ Application under the pneumatic conveying feeding system to load the material into the piping



▶ Application under filter to insure the sealing and evacuation of fine particles



▶ Application above the filling stations to dose the product

