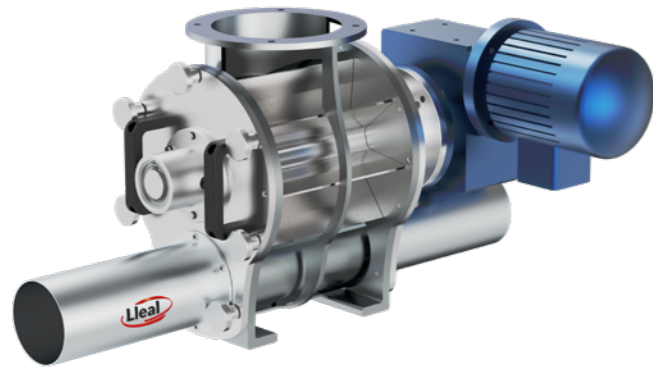


# DOSIVAL rotary valve

## general features



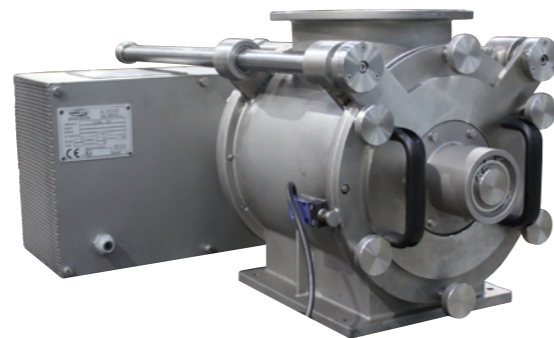
DOSIVAL rotary cell valves are used in processes for unloading, regulated dosing, feeding, and emptying of pneumatic conveyors by impulse or suction of solids.

They are usually installed in hoppers, silos, at the inlet of pneumatic conveyors, as well as in milling, mixing and bagging installations of powdered or granulated products and are successfully applied to a wide variety of sectors: pharmaceutical, food, cosmetics, and chemical.

Three models are supplied: D-2.5, D-10, and D-20, with capacities of up to 145 m<sup>3</sup>/h; all of them can be adapted, upon request, to work in ATEX-classified areas.

### TECHNICAL FEATURES

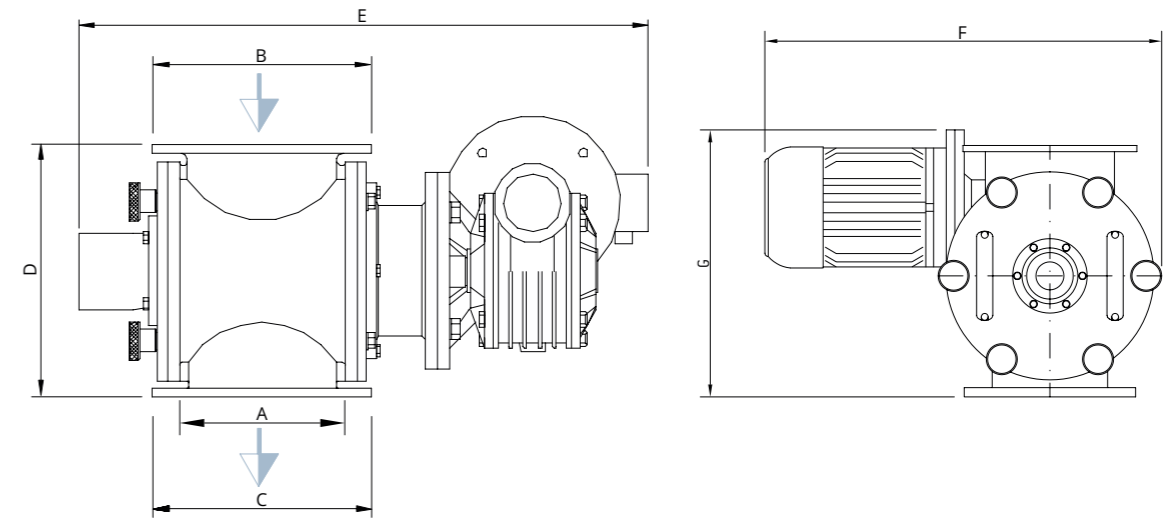
- » Their operating principle is based on an internal rotor with 8 rotating vanes that form the dosing cells.
- » Outer body with two inlet and outlet ports, provided with DIN flanges.
- » The valve body, rotor and shafts are machined and ground to allow a high-precision metal-to-metal internal seal.
- » Its construction is prepared for quick disassembly in order to facilitate cleaning and preventive maintenance.
- » Possibility to vary the flow rate of the product to be dosed by incorporating a mechanical or electronic variable speed drive.
- » These valves are available in both industrial and sanitary versions and are constructed in either carbon steel or stainless steel, depending on the product and process.



DOSIVAL D-10 rotary valve in AISI-316 steel, in a detachable design with two guides to facilitate cleaning.



### Technical data



Model	Dimensions mm						
	A	B	C	D	E	F	G
D-2.5	125	200	Ø 200	230	520	410	258
D-10	202	280	250 x 180	405	796	639	430
D-20	300	445	290 x 290	500	1,025	850	540

Model D-2.5	Maximum flow rate L/Min.					
	26	32	40	60	70	90
Power kW	0.37	0.37	0.37	0.55	0.75	0.75
Output speed rpm	14	17.5	22	31	37	47

Model D-10	Maximum flow rate L/Min.					
	205	260	320	450	515	690
Power kW	0.55-1.1	0.75-1.1	0.75-1.5	1.5-2.2	1.5-3	2.2-3
Output speed rpm	14	17.5	22	30	35	47

Model D-20	Maximum flow rate L/Min.					
	300	370	460	640	740	1.000
Power kW	0.75	1.1	1.5	1.5	2.2	3
Output speed rpm	15	18.5	23	32	37	50



D-2.5 rotary valve prepared for installation in the discharge of a ribbon blender.