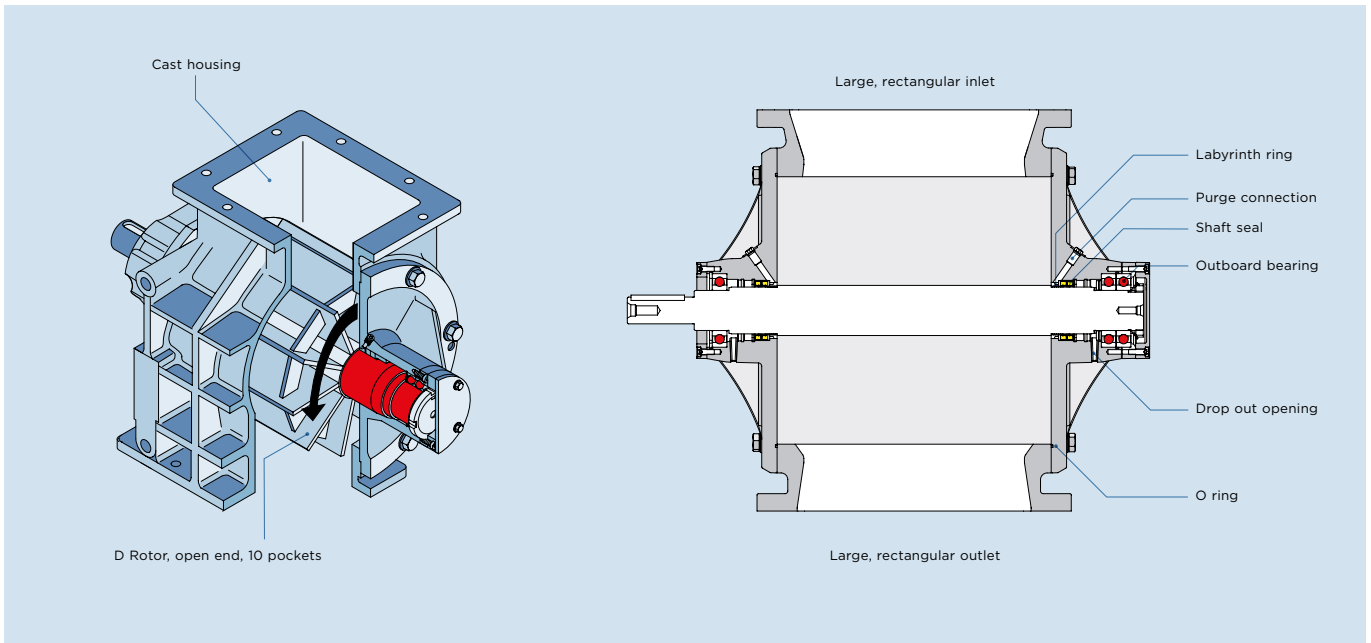


# Rotary Valve ZKD



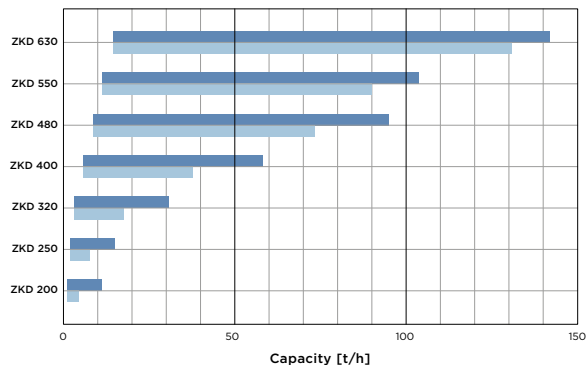
## DISCHARGING AND METERING VALVES FOR POWDERS

- \_ Solid housing with rectangular flange connections
- \_ With feeding shoe also suitable for feeding bulk materials into pneumatic conveying systems at up to 1.5 barg (21 psi)



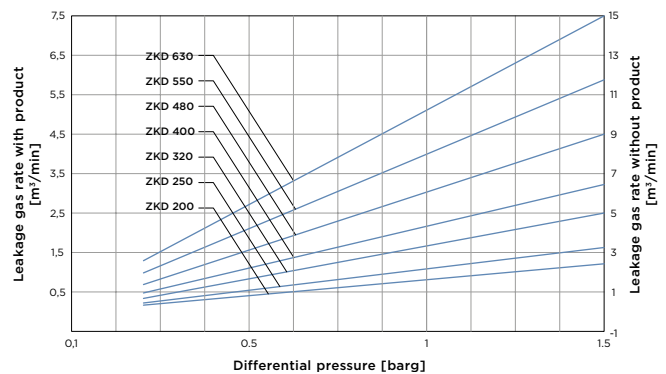
### Performance diagram

- Powder with bulk density 1000 kg/m<sup>3</sup> and 0.6 mm < d<sub>50</sub> < 1.0 mm, Δp = 0,8 barg
- Powder with bulk density 1000 kg/m<sup>3</sup> and 0.15 mm < d<sub>50</sub> < 0.3 mm, Δp = 0,8 barg



### Leakage gas diagram

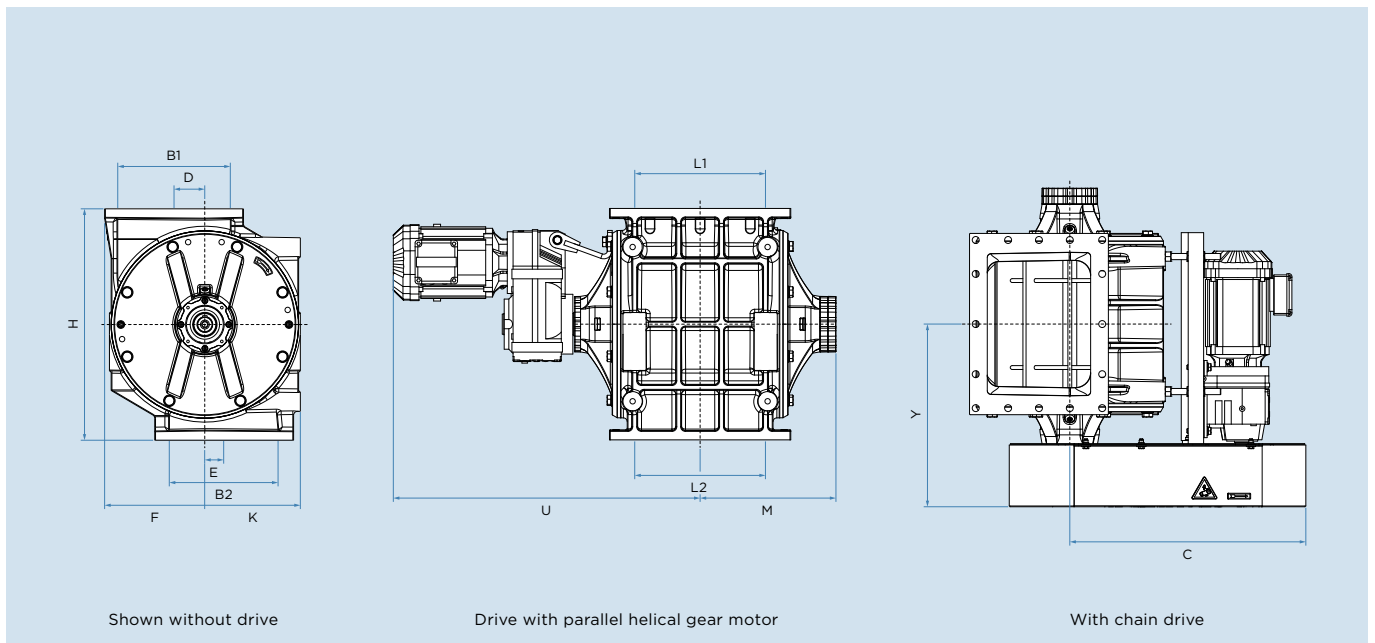
(New, standard clearance 60 °C, max. speed)



ROTARY VALVE FOR POWDERS | ZKD

**MAX. PRESSURE** 1.5 barg (21 psi) system and differential pressure  
**PRESSURE SURGE PROOF** 10 barg (145 psi), due to heavy duty design  
**ATEX (OPTIONAL)** Usable in ex-zones and as protection system (Flameproof for dust ST2)  
**INLET/OUTLET** Rectangular housing design shape corresponds to rotor shape  
**OUTBOARD BEARINGS** Separated from product by purged seal arrangement and drop out opening

- OPTIONS AND ACCESSORIES**
- \_ Quick cleaning coupling with extraction device
  - \_ Chamfered blades
  - \_ Rotor with shallow pockets
  - \_ Knife at the product inlet
  - \_ Scraper blades
  - \_ X rotor → ZKX or C rotor → ZKC
  - \_ DUROPROTECT\* wear protection, page 36
  - \_ High-temperature design (T) up to 250 °C



	Inlet/Outlet		Offset (axes)		Other dimensions							Weight** (appr. kg)	
	L1 x B1	L2 x B2	D	E	H <sup>+5</sup> <sub>-1</sub>	C*	Y*	K	F	M*	U**	AL	SS/GG
ZKD 200	186 x 150	186 x 150	25	/	340	485	350	140	147	233	510	80	120
ZKD 250	220 x 178	220 x 170	54	20	400	485	385	165	189	252	560	105	170
ZKD 320	280 x 208	280 x 200	72	40	475	530	450	205	222	300	685	160	265
ZKD 400	370 x 268	350 x 260	80	50	600	585	490	247.5	260	354	760	245	425
ZKD 480	460 x 300	450 x 300	60	20	700	730	570	300	270	415	940	415	700
ZKD 550	500 x 320	490 x 320	100	30	800	900	630	330	330	470	1000	565	965
ZKD 630	600 x 400	590 x 400	45	/	900	1000	670	405	325	508	1110	790	1415

Dimensions in mm

\* Dimensions do not apply to high temperature design; may vary according to drive.

\*\* With drive.