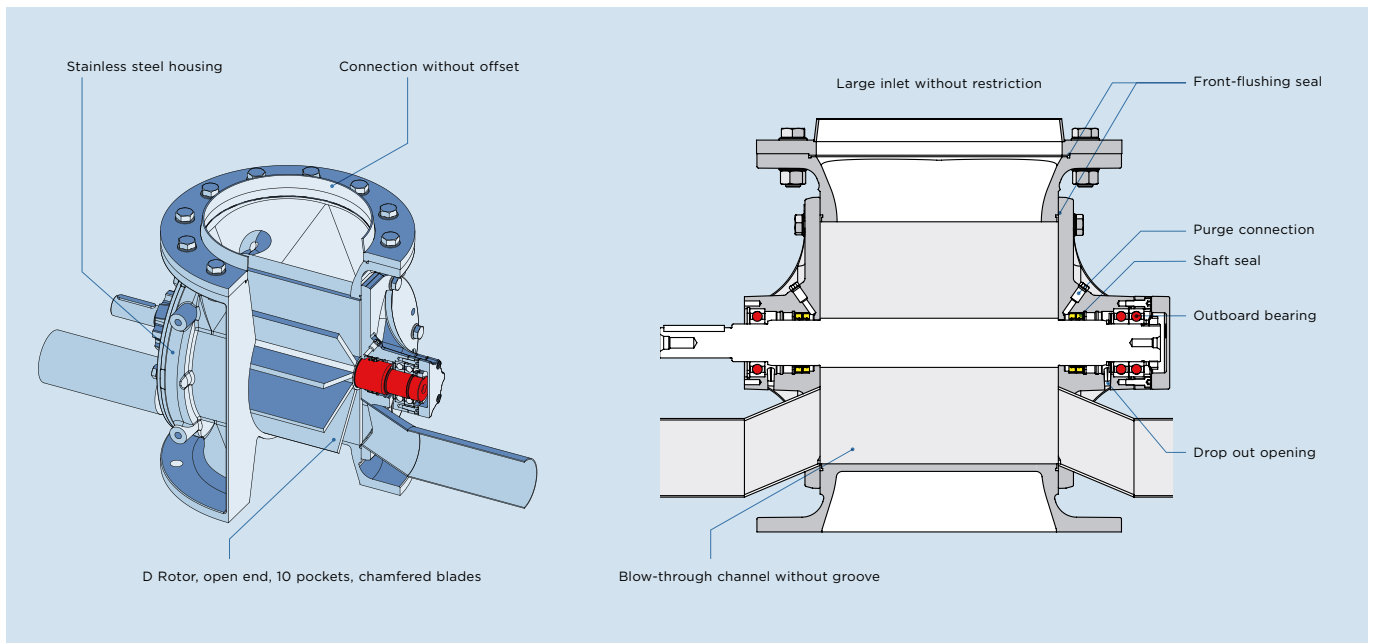


# Rotary Valve ZFD



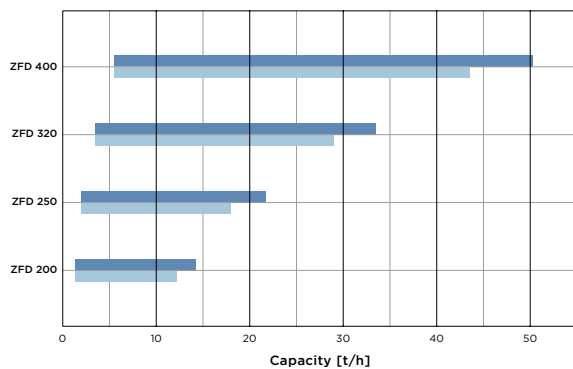
## BLOW-THROUGH VALVE IN CIP VERSION

- \_ For automatic wet cleaning without opening the valve (CIP)
- \_ Stainless steel design, engineered to EHEDG guidelines
- \_ Smooth transitions and polished surfaces Ra 0.8  $\mu\text{m}$  to minimize product deposits
- \_ Front-flushing seals at inlet/outlet and between side cover and housing (patented gap-free design, FDA-compliant)



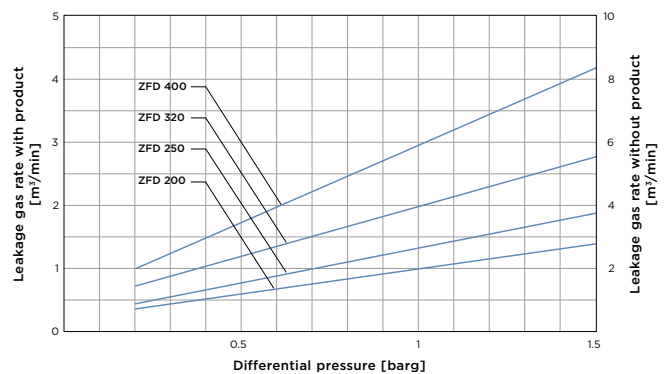
### Performance diagram

- Powder with bulk density 1000 kg/m<sup>3</sup> and 0.3 mm < d<sub>50</sub> < 0.6 mm,  $\Delta p = 0,8$  barg
- Powder with bulk density 1000 kg/m<sup>3</sup> and 0.075 mm < d<sub>50</sub> < 0.15 mm,  $\Delta p = 0,8$  barg



### Leakage gas diagram

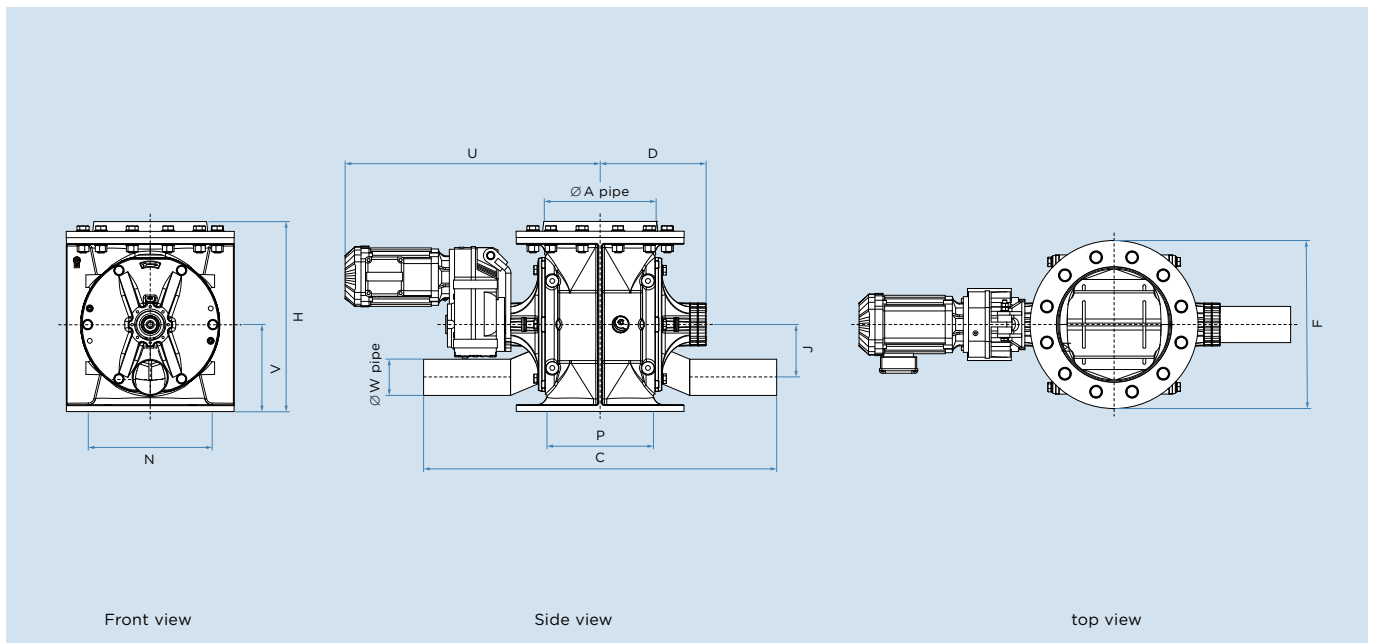
(New, standard clearance 60 °C, max. speed)



ROTARY VALVE FOR POWDERS | ZFD

- 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)  
**LARGE INLET/OUTLET** Greatest possible connection cross section for highest capacities  
**OUTBOARD BEARINGS** Separated from product by purged seal arrangement and drop out opening purged seal arrangement

- OPTIONS AND ACCESSORIES**  
 \_ Quick cleaning coupling with extraction device  
 \_ Conveying line adaptors in acc. with DIN 11864



	Inlet*		Blow-through channel		Mounting pattern				Other dimensions						Weight*** (appr. kg)
	A (DIN)	A (ASME)	$\varnothing A$ pipe	$\varnothing W$ pipe	J	N	P	Quantity x $\varnothing$	H <sub>1</sub> <sup>**</sup>	C	D	F	U**	V <sub>1</sub> <sup>**</sup>	
ZFD 200	DN 200	8"	219.1	70 x 2.0	118.0	272.5	112.9	4 x $\varnothing$ 22	386	937	234	341	622.0	170	125
ZFD 250	DN 250	10"	273.0	85 x 2.0	126.5	247.5	247.5	4 x $\varnothing$ 22	446	964	253	412	695.0	200	175
ZFD 320	DN 300	12"	323.9	100 x 2.0	152.0	243.8	348.1	4 x $\varnothing$ 22	546	1015	305	483	758.5	250	265
ZFD 400	DN 350	14"	355.6	125 x 2.0	171.0	263.9	376.8	4 x $\varnothing$ 22	653	1320	352	533	818.0	300	445

Dimensions in mm

\* Drilled according to DIN PN 10 or the corresponding ASME standard.

\*\* Dimensions may vary according to drive.

\*\*\* With drive.