

Rotary Valves | Sanitary Design

ROTARY VALVE EXECUTIONS AND ACCESSORIES

- _ With smooth shapes and surfaces
- _ For highest requirements regarding hygiene and cleanability



SANITARY VERSION (HYGIENIC EXECUTION)

- _ Designed according to EHEDG guidelines
- _ Material stainless steel
- _ Product wetted surfaces polished ($R_a = 0.8 \mu\text{m}$)
- _ Rotor with rounded pockets, chamfered blades and without stiffening bolts
- _ Gas purged shaft seals, FDA-conform



FLUSH END FLANGE GASKETS

- _ Flange design similar to DIN 11864
- _ Flush to product area
- _ FDA-conform
- _ Prevents product deposit and entry of fluids into sealing gap
- _ Supplied with weld-on counter flange
- _ Designed according to EHEDG guidelines



OPERATION WITHOUT LEAKAGE GAS VENTING

- _ Installation of ZXD or ZRD Rotary Valve directly under silo without leakage gas venting
- _ Ideal for fluidizable products
- _ Easy planning, low height, low cost of investment
- _ Sanitary application - no product contamination caused by product remaining in leakage gas pipe

EHEDG or USDA certified Rotary valves



EHEDG EL CLASS 1

CERTIFIED:

ZRD-CIP

ZFD-CIP

- _ Discharging and metering rotary valve (ZRD-CIP) and blowthrough valve (ZFD-CIP) designed and certified for CIP* applications
- _ Capable to be integrated in fully automatic cleaning (CIP*), no disassembling of rotary valve required
- _ Materials resistant against cleaning agents
- _ Flush end sealings at the in- and outlet of the valve and between side covers and housing (patented gap free design, FDA conform)



EHEDG ED

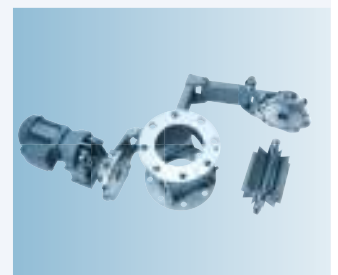
CERTIFIED:

ZRD

ZXD

ZVD

- _ Discharging and metering rotary valve (ZRD, ZVD) and blowthrough valve (ZXD) certified for dry processes and dry cleaning practices
- _ Easy disassembling and cleaning of parts
- _ Easy access to inner areas
- _ Open end rotors in hygienic execution
- _ Gas purged shaft seals, FDA-conform



USDA APPROVED AND CERTIFIED:

ZRD-USDA

ZXD-USDA

- _ Rotary valve in quick disassembling execution with extractable sealing cassette
- _ Sealing rings can be taken out of sealing cassette for easy inspection and cleaning



* CIP = Cleaning in Place