coperion
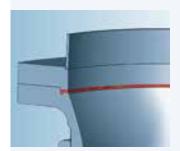
confidence through partnership

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 (Ra = 0.8 µm)
_ 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-, ZFD- 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

TYPE ED

TYPE EL - CLASS I

**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