

NEW

Cone valve K5 and K6 for bulk materials

Pneumatically operated cone valve for closing of pressure vessels. Sealing is carried out by means of a conical seal which is pressed against a seat ring by means of a pneumatic rotary drive. The overpressure in the pressure vessel also backs up the sealing process. The abrasion on the sealing surfaces is automatically counterbalanced to a certain degree by means of the closing device. Both the conical seal and the seat ring can be replaced individually.

The cone valve has a much longer service life than a butterfly valve when used with abrasive products.

Areas of application:

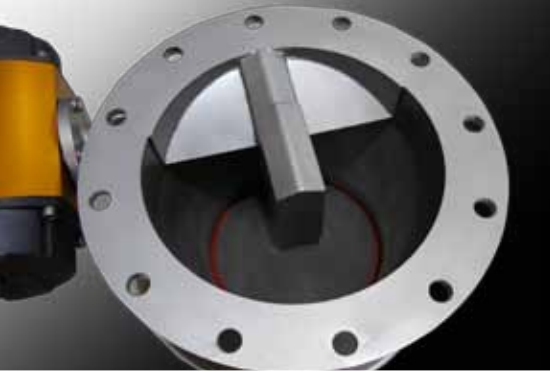
- Inlet closure for pneumatic pressure vessel conveyor
- Shut-off valve
- Particularly suitable for abrasive bulk materials, e.g. cement, fly ash, sand, aluminium oxide etc.
- Replacement of conventional butterfly valve for a longer service life

Advantages:

- Optimised product flow thanks to steep angle of the cone
- Compact design
- Closes against full product flow (depending on product)
- High throughput (depending on product):
 - DN 200: 15 – 50 m³/h
 - DN 300: 40 – 120 m³/h
 - DN 400: 70 – 210 m³/h
- Minor wear
- Adjustable opening
- Compact dimensions
- Self-cleaning sealing surface
- Installation possible at a later date

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Specifications

Standard design:

- Housing in ductile iron (cone valve K5)
- Very robust design
- Application range up to maximum 10 bar(g) vessel pressure
- In- and outlet flange DN 200, DN 300 and DN 400 PN10
- Pneumatically operated double-acting quarter turn actuator as drive
- Control pressure min. 5 bar
- Shaft sealing by means of V-ring
- For fluids in group 2 according to PED 97/23/EC

- Wear of sealing surfaces is automatically counterbalanced by the closing device
- Sealing made of abrasion-resistant elastomer
- Product temperature max. 100 °C
- Replaceable sealing
- Replaceable seat ring
- Position monitoring by means of limit switch
- Sealing effect is backed up by vessel pressure

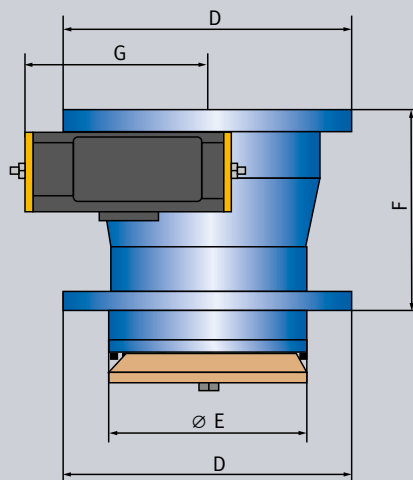
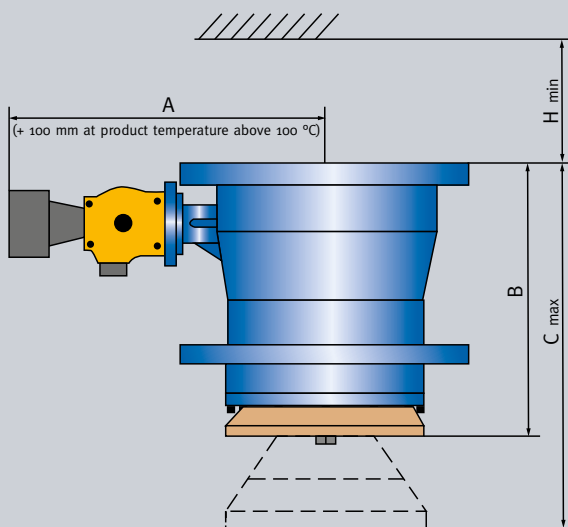
Special design:

- Product temperature max. 200 °C
- Design in stainless steel (cone valve K6)
- ATEX for zone 20 inside, 22 outside
- For fluids in group 1 according to PED 97/23/EC
- Customised outlet connetions
- Inlet protection

Dimensions K5/K6:

Type	A	B	C _{max}	D	E	F	G	H _{min} *
DN 200	411	395	486	DN200 PN10	204	290	203	130
DN 300	485	418	568	DN300 PN10	307	300	279	130
DN 400	525	456	648	DN400 PN10	400	300	321	170

* Minimal space required for assembly/disassembly



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