

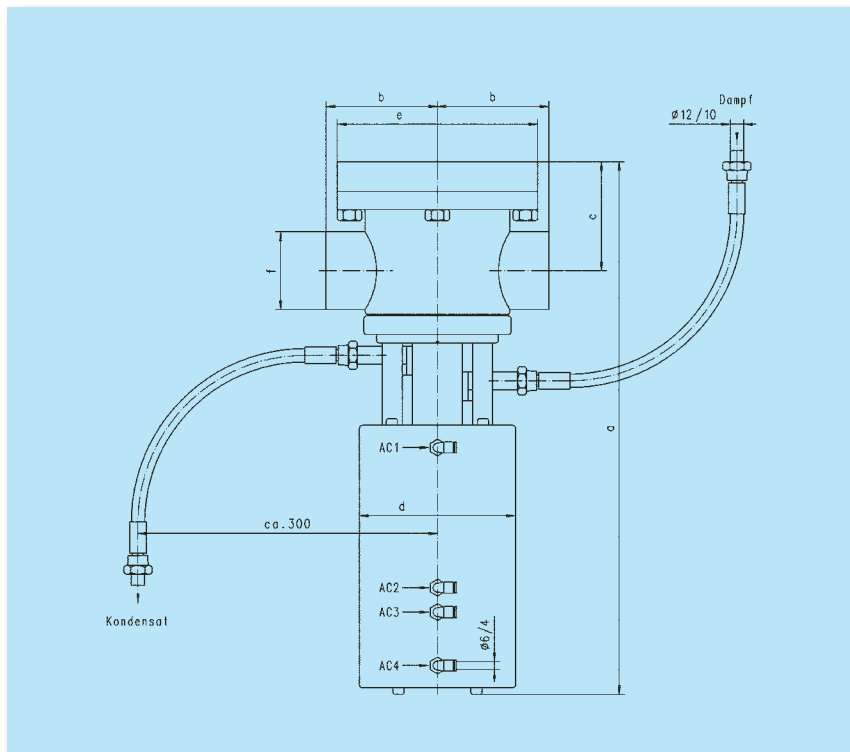
Aseptic Double Seat Tank Bottom Valve N35



maximum technical safety

- the valve for the highest demands
- for aseptic production plants
- secure product separation through constant steam pressure in the exclusion area
- valve seats can be raised individually
- for chemical or thermal sterilisation
- hygienic design
- easily CIP cleanable
- 3A Sanitary Standard
- entirely made of stainless steel
- solid construction
- secure, reliable function
- long service life
- ISO 9001: 2000
- made in Switzerland

Technical Data



| DN/OD | a | b | c | d | e | f | stroke | weight | Kv L | Kv T |
|-------|-----|-----|-----|-----|-----|------------|--------|--------|-----------------------|-----------------------|
| 50 | 478 | 95 | 108 | 140 | 180 | 52/49 | 12 | 28 kg | 48 m ³ /h | 48 m ³ /h |
| 65 | 478 | 95 | 100 | 140 | 180 | 70/66 | 16 | 29 kg | 67 m ³ /h | 83 m ³ /h |
| 80 | 601 | 120 | 123 | 190 | 230 | 85/81 | 20 | 52 kg | 131 m ³ /h | 131 m ³ /h |
| 100 | 601 | 120 | 114 | 190 | 230 | 104/100 | 25 | 53 kg | 153 m ³ /h | 184 m ³ /h |
| 2" | 478 | 95 | 109 | 140 | 180 | 50.8/47.5 | 12 | 28 kg | 45 m ³ /h | 45 m ³ /h |
| 2½" | 478 | 95 | 103 | 140 | 180 | 63.5/60.2 | 16 | 29 kg | 67 m ³ /h | 72 m ³ /h |
| 3" | 601 | 120 | 128 | 190 | 230 | 76.1/72.8 | 20 | 52 kg | 105 m ³ /h | 105 m ³ /h |
| 4" | 601 | 120 | 115 | 190 | 230 | 101.6/97.4 | 25 | 53 kg | 153 m ³ /h | 179 m ³ /h |

Also available for your special needs, like products with solid parts, etc.

Optional features

- Control top with feedback and solenoid valves
- Feedback unit with proximity switches
- Bellow monitoring system

Applications for the N35 series

MTS aseptic double seat tank bottom valves of the N35 series are manufactured with nominal widths of 50, 65, 80 and 100. As outlet valve, welded directly into the bottom of a tank, they are used primarily in the dairy, beverage and food industry, but also in the cosmetic, pharmaceutical and chemical industry.

Connections

DIN 11850 1 + 2
Inch / ISO

Product pressure

max. 6 bar
recommended lower
than steam pressure

Steam pressure

max. 4 bar saturated steam, 152 °C,
recommended 2 to 3 bar
134 to 144 °C

Steam consumption

Sterilisation approx. 4 kg/h
Seat cleaning approx. 35 kg/h

Compressed air

min. 6 bar, max. 8 bar
dry and oil free

Materials

product-wetted
1.4404 / 1.4435 / 1.4571
Ra ≤ 0.8 µm

Actuator

1.4301, bright metal

Seals

EPDM-FDA

Service lives

Bellow
200,000 strokes or 3 years

Product seals

4,000 strokes or 6 months

Actuator seals

200,000 strokes or 3 years

Air connections

AC1, cleaning upper valve seat
AC2, standby position
AC3 + AC2, open valve
AC4, cleaning lower valve seat

Operating temperature

max. 150°C