

Pneumatic Tank Bottom Diaphragm Valve

This pneumatic tank bottom diaphragm valve is designed for sterile and aseptic processes. Its diaphragm isolates the process fluid from the valve actuator, which prevents contamination.



ADDITIONAL IMAGES



Product Overview

Aseptic Tank Bottom Solution

The Pneumatic Tank Bottom Diaphragm Valve is engineered specifically for discharging media from tanks without leaving residue in the chamber. Designed for sterile and aseptic processes, this valve ensures process isolation from the actuator to prevent contamination. Its robust construction makes it an ideal choice for critical applications in the pharmaceutical, biotechnology, and food and beverage industries.

Technical Specifications

Operating Temperature

150 °C

Max Temp (Stainless Actuator)

130 °C

Max Temp (Plastic Actuator)

Size Range

1" - 4" (DN25 - DN100)

Connection Options

Weld, Clamp, Flange, Thread

Materials & Construction

Body Material

- Forged: 1.4404 / 316L / 1.4435 NB2
- Cast: 1.4404 / 316L

Diaphragm Materials

EPDM + PTFE, EPDM, Silicon, FPM (Viton)

Compliance & Certification

Certifications

3A-54-02 / 1580 • PED 97/23 EC • FDA 177.2600

Performance Data

Pressure Ratings (Unidirectional)

| Configuration | Rubber (bar) | PTFE (bar) |
|-------------------------------|--------------|------------|
| Normally Closed (Standard) | 6 | 4.5 |
| Normally Closed (Option) | 8 | 6 |
| Normally Open / Double Acting | 8 | 6 |