Hygienic Stainless Steel Tank Bottom Valve With Butt Weld Connection Ends

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: OEM
- Certification: GMP, ASME BPE, 3A, CE
- Model Number: CX-SDV-05
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Plywood Cases
- Delivery Time: 15-60 Days
- Payment Terms: L/C, T/T
- Supply Ability: Based On Order

Product Specification

- Steel Material: 1.4435 Or 316L Stainless Steel For Sanitary Grade
- Operation: Manual Turning Knob
- Max W.P: 10 Bar With EPDM Seal, 6 Bar With PTFE Seal
- Max. W.T: 150 Degrees Centigrade
- Connection Ends: Butt Weld
- Weld Dimension: According To EN 10357, DIN 11866, DIN 11850, ISO 2037
- Highlight: **diaphragm flow control valve**

More Images

Product Description

316L Stainless Steel Sanitary Tank Bottom Diaphragm Valves With Butt Weld Connection

Surface Treatment

We offer the following processes to choose:

1. Mechanical Polishing (MP) to improve brightness (gloss, matte)
2. Acid Cleaning for Anti-corrosion
3. Electrolysis Polish (EP) to improve surface smoothness
4. Custom Process: Bright Annealing treatment eliminate strees to improve toughness

Product Description:

The sanitary tank bottom diapharagm valves are used for medium draining and sampling in hygienic industries such as pharmacy, biotechnology, fine chemical, food, beverage, and so on. They are usually installed at the bottom of a hygienic tank or vessel, with 10 to 30 degrees angle against horizontal level, in order to have perfect self draining function without any fluid retention or leakage.

APPLICATION

Diaphragm valve,manually or pneumatically operated,and specifically designed for for using on hygiene and aseptic processes in the pharmaceutical industries. The valve is excellent for flow control as well as for open and close duties. The diaphramg valve are better in feature of flow in comparison with other valves, it is easier to clean up and better to process the substance with particles,the phenomenon of air pocket is rare during application of flow control.

OPERATING PRINCIPLES

The diaphragm provides the body seal as well as the seat seal.There are no paths to the outside environment so it suitable for aseptic processes. When the valve is closed a pressure pad which supports the diaphragm moves towards the sealing face on the body.When the pressure plate moves the diaphragm flexes and is forced down onto the seat area in the centre of the body,thus, closing off the flow path through the body.The inter relationship of body to the pressure plate prevents over compression of the diaphram.The valve can be manual operation and pneumatic operation control tops of solenoid valves.

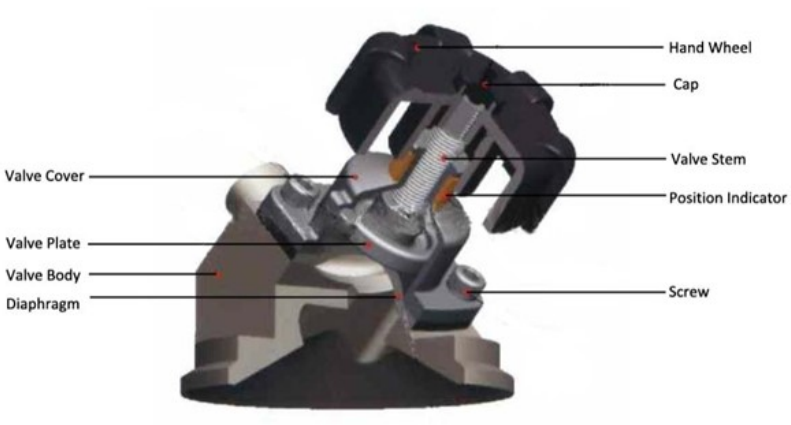
Advantages:
Manual turning knob operation saves much cost
Hygienic design and adoption of aseptic material to meet sanitary industries
Surface finely finished by EP to reach roughness Ra<0.5μm
Intelligently designed without dead leg, retention or leakage
Strong self cleaning and automatic draining ability

Benefits from Butt Weld Connection End
Butt welded to the tank bottom, to eliminate leakage and dead area
Firm and strong connection with pipes, once for all
Simple connection tehcnique, low cost
Standard butt weld end dimension to match with most of pipe sizes

Specifications:

Drive Model:	**Manual Tank Bottom Diaphragm Valve**
Size:	DN25 ~ DN100 or other size on request
Steel Material:	316L, hygienic design
Diaphragm Material:	EPDM or EPDM + PTFE
Max. Working Pressure:	6 bar for PTFE seal, 10 bar for EPDM seal
Working Temperature:	120ºC
Connection End	Butt weld
Surface Treatment:	Rg 0.4 ~ 0.6μm or electrolysis process
Clamp Standards:	EN 10357, DIN 11866, DIN 11850, ISO 2037

Configuration:



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