

CAST BODY, 2-WAY DIAPHRAGM VALVE

Manual or Pneumatically Actuated Cast Body 2-way Valves

Steriflow cast body 2-way valves offer an economical alternative to forged body valves when customer process requirements or specifications allow. Steriflow's manufacturing, assembling, documentation and valve traceability practices remain the same whether the valve is made from 316L cast or forged material.

SPECIFICATIONS AND FEATURES*

Available Sizes:

- » Standard Valve: 1-1/2" - 4" (DN40 - DN100)

Connection Type:

- » Standard Valve: Tri-clamp, Extended Tube End

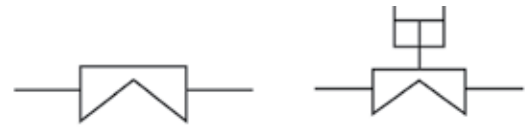
Materials:

- » Standard: Cast 316L, ASTM A351 CF3M

Surface Finish:

- » Wetted Interior:
 - 32 Ra μin (0,81 Ra μm)
 - 32 Ra μin (0,81 Ra μm) Electropolish
 - ASME BPE SF1 20 Ra μin (0,5 Ra μm)
 - ASME BPE SF5 20 Ra μin (0,5 Ra μm) Electropolish
- » Exterior:
 - Standard: As cast, Electropolished

* See page 6 & 7 for GENERAL FEATURES, GENERAL SPECIFICATIONS regarding features and specifications that apply to all valves



APPLICATIONS

Single Valve Manual on/off or Air Actuated Flow Control of Drug Process Additives, Drug Products and Clean Utilities

- » Upstream:
 - Bioreactor/Fermenter: For control of WFI, growth media, intermediate drug product, clean dry air and gas, clean steam and clean utility fluids
 - Perfused Bioreactors: Retentate or permeate fluid control
- » Downstream:
 - For control of WFI, buffers, solvent, intermediate and finished drug product, clean dry air and gas, clean steam, and clean utility fluids in the following production area
 - Separation
 - Filtration
 - Chromatography
 - Formulation
 - Fill Finish
- » Buffer and Media Prep:
 - For control of WFI, buffers, growth media, clean steam and clean utility fluids

ORDERING SCHEMATIC (CAST BODY, 2-WAY DIAPHRAGM VALVE)

MODEL	TYPE	SIZE	CONNECTION	FINISH	ACTUATION	DIAPHRAGM	ACCESSORIES
SFB							

1	TYPE
1	Cast Body 2-way

2	SIZE
7	1-1/2"
8	2"
9	2-1/2"
A	3"
B	4"

3	CONNECTION
1	OD Tube
2	Clamp
3	OD Tube x clamp
Z	Non-standard

4	FINISH
1	20Ra
2	20Ra EP
3	32Ra
4	32Ra EP
Z	Non-standard, consult factory

5	ACTUATION
1	Manual
2	Manual Vented
3	Spring to Close
4	Spring to Open
5	Double Acting
6	Eclipse, Spring to Close (1/2" - 2" standard)
7	Eclipse, Spring to Open (1/2" - 2" standard)

6	DIAPHRAGM
1	EPDM
2	TFM/EPDM
Z	Non-standard

7	ACCESSORIES
1	Switch 2 Position
2	Positioner 4-20 mA
Z	Non-standard, consult factory

Please Contact Factory regarding dimensional drawings. All queries are welcome.