



Manual Diaphragm Valve 6227M (IC)



Key Features

ASME BPE Complaint design
Non-Magnetic Design
SIP 500 rated life Durability
Non raising design
Excellent drainability
Stroke Restrictor
Traceability documents

Applications

- CIP/SIP skids
- PW & WFI skids
- Water distribution & generation
- Bio reactors/Fermenters
- Chromatography skids
- Process distribution

Reference Standard

Design Standard ASME BPE
Testing Standard EN :12266-1
Surface Finish ASME BPE SF:2.4 -1
Conformity Standard EN :10204

Top Work

Hand Wheel Plastic PA6 GF 30% (Autoclavable) /
Stainless steel (Optional) - CF8/SS-304
Bonnet ASTM A351CF8 (SS-304)
Visual Indicator Open/Close

Elastomer/Polymer

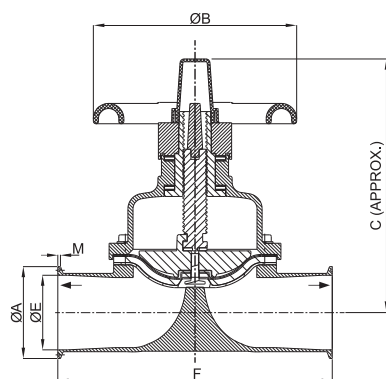
Diaphragm Compliance USP CLASS VI Biological Reactivity
Test In Vitro and In Vivo
US FDA CFR177.2600 (EPDM)
US FDA CFR177.1550 (PTFE)

Valve Construction

Valve Body ASTM A351CF3M (SS-316L)
Body Pressure Rating 16Bars
Surface Finish Internal : 0.2 to 0.4 Ra; External : 0.8Ra
End Connections Triclamp (TC) as per BS 4825 /ASME BPE

Process Parameters

Service Air/Water/Steam/Slightly aggressive fluid
Working Temperature For EPDM : (-) 10 °C to 90 °C for liquid
upto 120 °C for Steam
For PTFE : (-) 10 °C to 155 °C
Working Pressure 10 Bar



Valve Model No.		Size		Flow Kv	Pressure	Drain Angle	Weight	Dimensions					
EPDM	PTFE/EPDM	INCH	MM	M ₃ Hr	Kg/cm ²	°	Kgs	A	B	C	E	F	M
6227M167/E/TC	6227M167/TE/TC	1/2"	15	3.5	10.0	20°	0.8	25	65	76.2	9.4	112	2.85
6227M217/E/TC	6227M217/TE/TC	3/4"	20	5.0	10.0	21.5°	0.8	50.5	65	97	15.75	117	2.85
6227M267/E/TC	6227M267/TE/TC	1"	25	12.5	10.0	21.5°	0.9	50.5	65	97	22.1	127	2.85
6227M417/E/TC	6227M417/TE/TC	1 1/2"	40	36.0	10.0	25°	2	50.5	128	140.0	34.8	146	2.85
6227M517/E/TC	6227M517/TE/TC	2"	50	42.0	10.0	30°	2.4	64	128	148.0	47.5	159	2.85
6227M667/E/TC	6227M667/TE/TC	2 1/2"	65	53.0	6.0	31.5°	3.65	77.4	128	165	60.2	190	2.85
6227M817/E/TC	6227M817/TE/TC	3"	75	63.0	6.0	31.5°	10.5	90.9	200	250	68.9	270	2.85

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