

Diaphragm Seated Stainless Steel Metal Body (OD Based) Valves With Plastic Piston Actuator For Food & Pharma As Per ASME BPE - 2009.

SPECIFICATIONS

Type 6827M Valves are External Air Pilot Operated Valves, which are used in Pharmaceutical & Food Industry. Operating diaphragm, isolates body & actuator from incoming fluid. Undermentioned valve & body configurations are available.

- 1) BS6827MXX6 : Spigot weldable end to ASME BPE - 2009.
- 2) BS6827MXX7 : Tri-Clamp Body to ASME BPE - 2009.

TECHNICAL DATA

Pressure range : Refer to the specifications table.
 Temperature : (-)10°C to 140°C. (PTFE diaphragm)
 (-)10°C to 120°C (EPDM diaphragm).
 Ambient. Temp. : (-)10°C to 50°C.
 Body Mtl. : ASTM A351CF3M (SS316L).
 End Connections : Available in-spigot (6)Tri-Clamp(7).
 Diaphragm : EPDM Standard, Optional : PTFE backed by EPM.
 Finish : Body Inside RA (µM) 0.4 and Outside RA (µM) 0.8 (Electropolished).

ACTUATOR : 30% Glass Filled Polyamide.
 Pilot Pressure : 3.5 to 5.5 bar Air or Non-corrosive gas.
 Solenoid : Valve has built in Namur Mounting interface, Any standard Namur Solenoid Valve can be fitted.

ACTUATOR MODELS

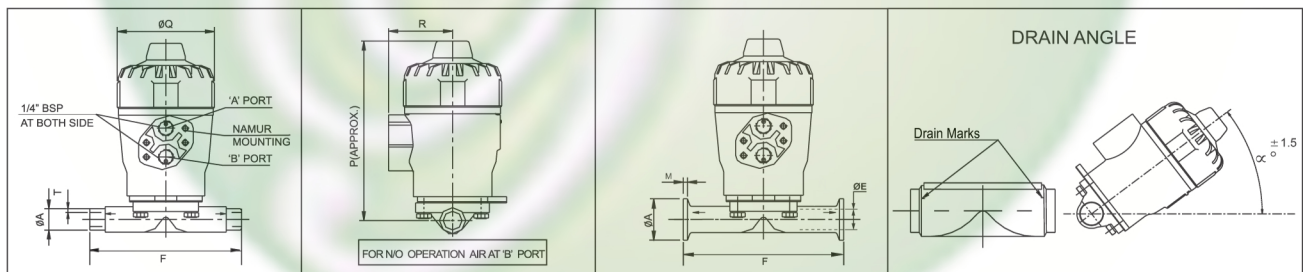
K-XX-S/NC- Spring Return, Normally Closed.
 K-XX-S/NO- Spring Return, Normally Open.
 K-XX-D- Double Acting Without Springs.



OPTIONAL FEATURES & ACCESSORIES

Valves are supplied in normally 'closed' conditions, with Single Acting, Spring Return Actuator. Optional: Normally 'Open' Construction, Double Acting Actuator, Valve travel Indicator with Limit switches and LED, Proximity Switch Sensors, Stroke Limiting Mechanism, Manual Override (in lieu of some accessories), Namur 3-way and 4-way Solenoid Valves.

Note: (1) Valve Actuator Open or Close indicator incorporated as standard. (2) While asking for offer, please clarify following details : Size, End connection, Temp. In °C, Pressure (bar), Name of the flowing medium, Air Pressure available (3.5 bar and above).



SPECIFICATION TABLE

TYPE	Catalogue Number		Plastic Actuator	ØA (mm)	ØE (mm)	T (mm)	F (mm)	P (mm)	Q (mm)	R (mm)	M (mm)	α °	Approx Kv.	Max. Working Press.		Max. Pilot Press. to Actuator
	Normally closed Valve (6827MXXX)	Normally open Valve (6828MXXX)												at one end		
														EPDM	PTFE	
SPIGOT	BS6827M666	BS6828M666	K-123	63.5	-	1.65	190	300	161	87	-	31.5°	72	7	3	5.5
TRICLAMP	BS6827M667	BS6828M667	K-123	77.4	60.2	-	193.8	300	161	87	2.85	31.5°	72	7	3	5.5

Note:

Technical specifications, details & dimensions are subject to change without prior notice. Dimensions in the table are approximate subject to final confirmation by AVCON. For 3" (80mm) Valves Pl. refer Cat. 6827GXXX.

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