

ProConnex® Pneumatic Actuator Assemblies

Data Sheet

ProConnex Pneumatically Operated Piston Actuator Assembly

ProConnex Pneumatically Operated Piston Actuator Assemblies, powered by Artesyn technology, offer performance in a compact and versatile design. The actuator housings are manufactured in Polyphenylene Sulphide [PPS], providing exceptional heat, chemical and flame resistance. Various sizes and actuation options are available enabling closure of all combinations of line pressure, tube/hose sizes, and durometers.

All ProConnex Actuator Assemblies are low-maintenance and suitable for wash-down/decontamination procedures. When first operating ProConnex Actuator Assemblies, it is common practice to energize the actuator repeatedly. Cycling the actuator from open to closed positions allows the valve and tube/hose to find the optimum closure position, giving guaranteed closure and repeatability. For Normally Closed Actuators, remember to always energize the actuator so that the valve is in the open position and the plunger is fully retracted when changing the tubing/hose.

Applications

Upstream

- Media and Buffer Preparation
- Cell Clarification Harvest
- Perfusion
- Filtration
- Mixing

Downstream

- Filtration
- Chromatography
- Buffer Exchange
- Virus Inactivation
- Concentration
- Fractionation
- Transfer
- Finish Filling
- Mixing

ProConnex Actuator Assembly with Type 8697



ProConnex Actuator Assembly with Type 8693



ProConnex Standard Actuator Assembly

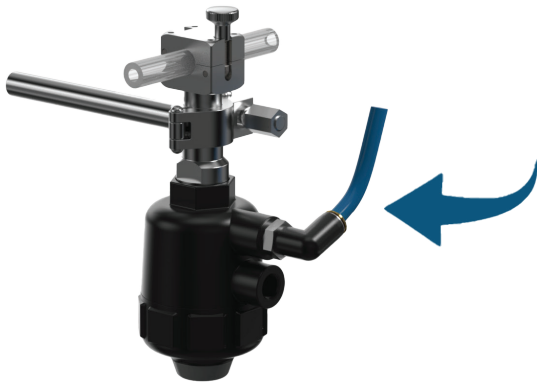


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Connecting Air Supply to NO/NC Actuators

Normally Closed

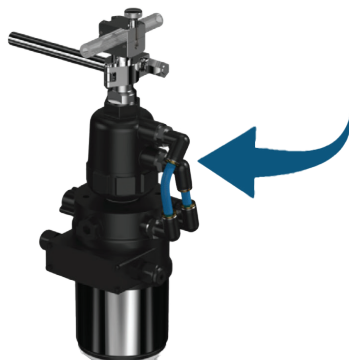
Standard



Type 8697

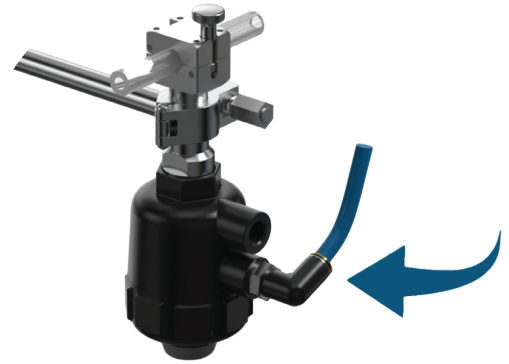


Type 8693



Normally Open

Standard



Type 8697



Technical Specifications



	Proportional Control NC/NO Type 8693	Mechanical Switch NC/NO Type 8697
Part Number	306942	248833
Function	Process Controller	Position Indicator
Closure States	On/Proportional/Off	On/Off
Input	Electrical Signal -> Air	
Position Feedback	Position (All positions)	Position (On/Off)
Actuator Operating Pressure	3 - 7 bar / 45 - 100 psi	
Max Pressure	7 bar / 100 psi	
Air Port	G 1/8 in for all sizes	
Temperature Environment	0C to +55C	
Electrical Connection	Cable Gland	
End Position Feedback Type	Analogue Feedback 0/4 - 20 mA via Bus	2x Micro Switch (24 V DC)
Protection Type	IP65/67 acc. to EN 60529	IP65/67

Ordering Information

Actuator Type	Tubing Size (ID x OD)	Actuator Size	Weight	Part #
Type 8693 NC	1/4 in (6.4 mm) x 7/16 in (11.1 mm)	50 mm	1.5 kg	PVS0250X0437198693
	1/4 in (6.4 mm) x 1/2 in (12.7 mm)	50 mm	1.5 kg	PVS0250X0500198693
	1/4 in (6.4 mm) x 3/8 in (9.5 mm)	50 mm	4.5 kg	PVS0250X0375198693
	3/8 in (9.5 mm) x 5/8 in (15.9 mm)	50 mm	1.5 kg	PVS0375X0625198693
	1/2 in (12.7 mm) x 3/4 in (19.1 mm)	50 mm	1.6 kg	PVS0500X0750198693
	1/2 in (12.7 mm) x 7/8 in (22.2 mm)	50 mm	1.6 kg	PVS0500X0875198693
	3/4 in (19.1 mm) x 1 in (25.4 mm)	63 mm	2.6 kg	PVS0750X1000198693
	3/4 in (19.1 mm) x 1 1/8 in (28.6 mm)	63 mm	2.6 kg	PVS0750X1125198693
	1 in (25.4 mm) x 1 3/8 in (34.9 mm)	80 mm	3.7 kg	PVS1000X1375198693
Type 8693 NO	1/4 in (6.4 mm) x 7/16 in (11.1 mm)	50 mm	1.5 kg	PVS0250X0437188693
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