ACTUATED VALVE FOR PNEUMATIC & HYDRAULIC CONTROL PANELS

Normally Normally

• Gas	• Liquid	Diaphragm	• Piston	Normally  Normally Open Normally Closed	Max Inlet: 690 bar (10,000 psi)	Max Outlet: 690 bar (10,000 psi)	Cv 0.8
			4	Solenoid Valve			

## INTRODUCING THE AVC690 & AVO690...

The AVC690 (normally closed) and AVO690 (normally open) are compact actuated valves suitable for gas and liquid applications, and designed to have a very high cycle life.

They can be used to aid high pressure cycle testing for Research and Development lab work. They are also used in pneumatic and hydraulic control panels, and can be used in a range of sectors including oil & gas, hydrogen, amongst others.

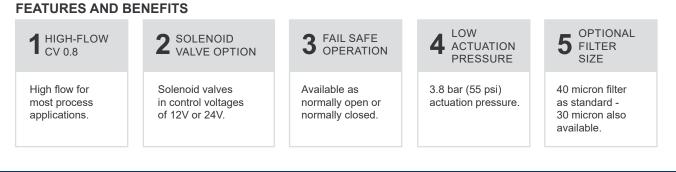
### **SPECIFICATION**

Max. Rated Inlet Pressure	690 bar (10,000 psi)		
Outlet Ranges	Up to 690 bar (10,000 psi)		
Design Proof Pressure	150% max. working pressure		
Seat Leakage	Bubble tight		
Weight	1kg (2.2lbs)		

### STANDARD MATERIALS OF CONSTRUCTION

PART	MATERIALS	
Body and Bonnet	ASTM A479 316/316L Stainless Steel (UNS S31600/S31603) HT Brass CZ114/CW721R (UNS C67500)	
Main Valve	ASTM A479 316/316L Stainless Steel	
Loading Spring	ASTM A240 301 Stainless Steel (UNS S30100)	
Seat	PEEK™ (450G)	
Piston	ASTM A479 316/316L Stainless Steel	
O-Rings	FPM/FKM	
Filter	40 Microns*	

Note: Valve rating may be limited by connection type, Cv and/or seat material. Contact the office for specific pressure or temperature requirements. \* 30 micron filter also available



Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements



#### PRESSURE TECH LTD

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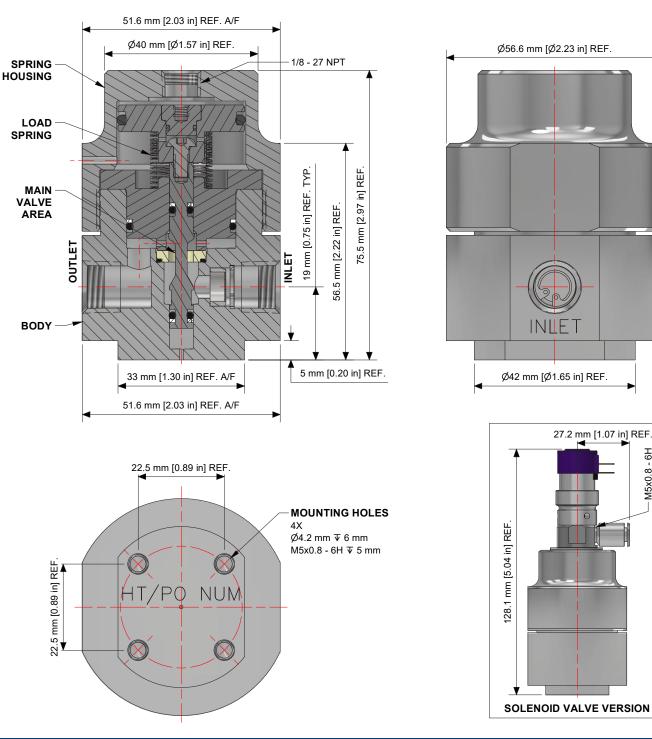


ACTUATED VALVE FOR PNEUMATIC & HYDRAULIC CONTROL PANELS

• Gas • Liquid Diaphragm • Piston • Normally • Normally • Normally Closed Max Inlet: 690 bar (10,000 psi) Max Outlet: 690 bar (10,000 psi) Cv	Cv 0.8

# DRAWING AND INSTALLATION DIMENSIONS

Please contact the office for further information.



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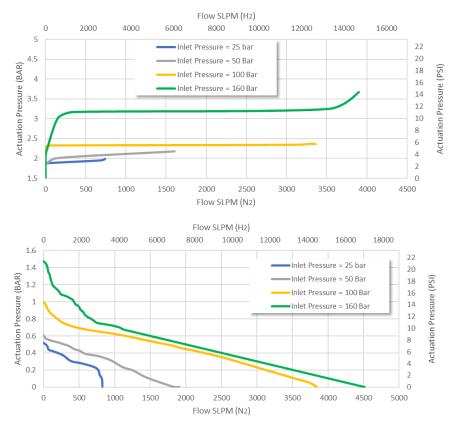


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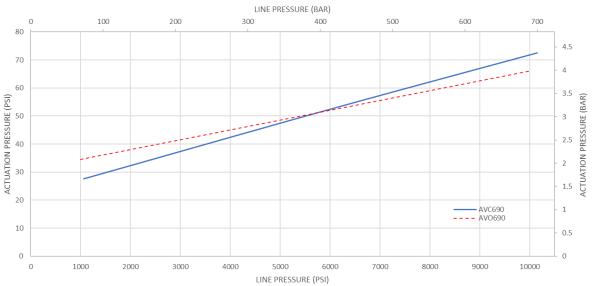
ACTUATED VALVE FOR PNEUMATIC & HYDRAULIC CONTROL PANELS

● Gas ● Liquid ● Diaphragm	Piston Normally Normally Normally Open Closed	Max Inlet: 690 bar (10,000 psi)	Max Outlet: 690 bar (10,000 psi)	Cv 0.8
		l		

### **FLOW CURVE**







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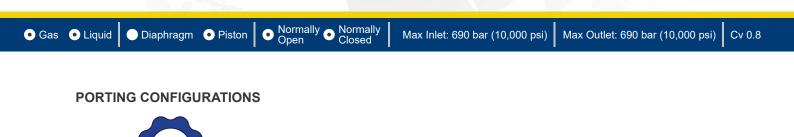
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ACTUATED VALVE FOR PNEUMATIC & HYDRAULIC CONTROL PANELS

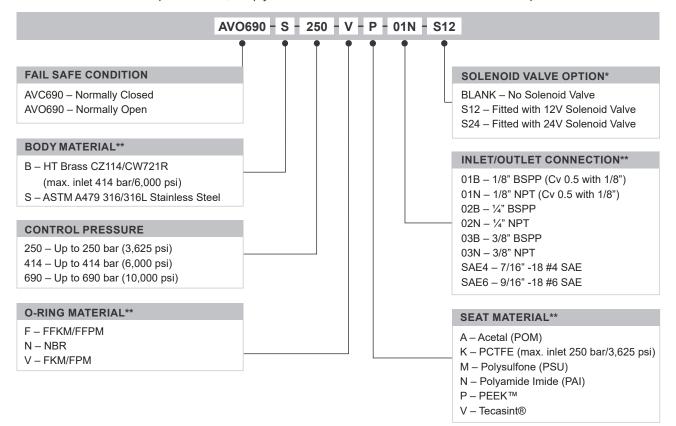




OUT

### **ORDERING INFORMATION**

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



**TRADEMARKS:** PEEK<sup>™</sup> is a trademark of Victrex PLC

\* 3/2 solenoid valve as standard (2/2 available on request) \*\* Other connections/materials may be available

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