

AVC1034 & AVO1034 Datasheet

ACTUATED VALVE FOR PNEUMATIC & HYDRAULIC CONTROL PANELS

Gas Liquid |
 Diaphragm Piston |
 Normally Open Normally Closed |
 Max Inlet: 1,034 bar (15,000 psi) | Max Outlet: 1,034 bar (15,000 psi) | Cv 0.8



INTRODUCING THE AVC1034 & AVO1034...

The AVC1034 (normally closed) and AVO1034 (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	1,034 bar (15,000 psi)
Outlet Ranges	Up to 1,034 bar (15,000 psi)
Design Proof Pressure	150% max. working pressure
Seat Leakage	Bubble tight
Weight	1.8kg (4lbs)

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

FEATURES AND BENEFITS

1 HIGH-FLOW CV 0.8	2 SOLENOID VALVE OPTION	3 FAIL SAFE OPERATION	4 LOW ACTUATION PRESSURE	5 OPTIONAL FILTER SIZE
High flow for most process applications.	Solenoid valves in control voltages of 12V or 24V.	Available as normally open or normally closed.	3.8 bar (55 psi) actuation pressure.	40 micron filter as standard - 30 micron 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

Unit 24, Graphite Way, Hadfield, Glossop, Derbyshire, UK, SK13 1QH

+44 (0)1457 899 307 | sales@pressure-tech.com | www.pressure-tech.com

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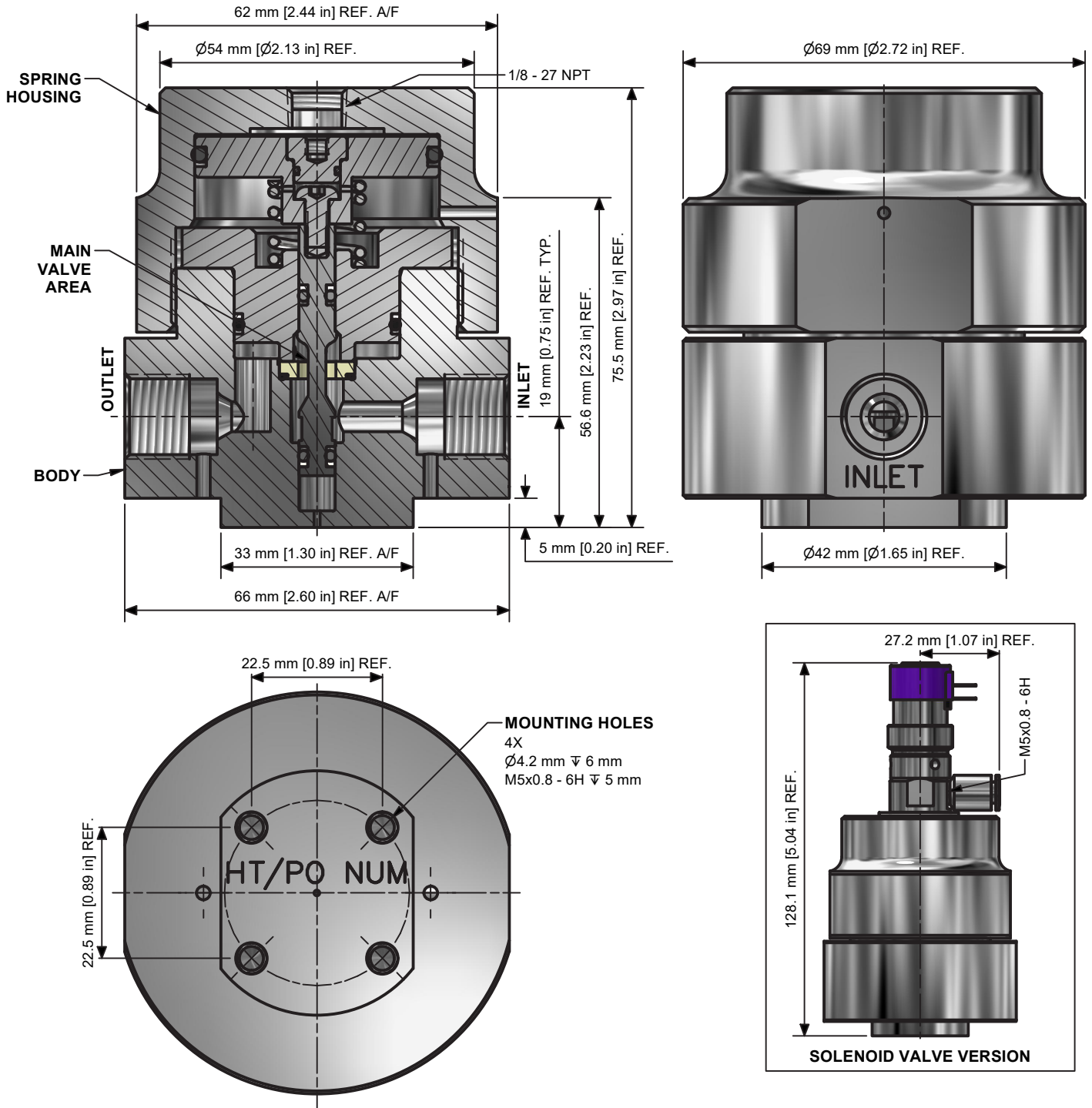
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DRAWING AND INSTALLATION DIMENSIONS

Dimensions shown for standard configurations only - please contact the office for other options.



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FLOW CURVE

Please contact the office for further information.

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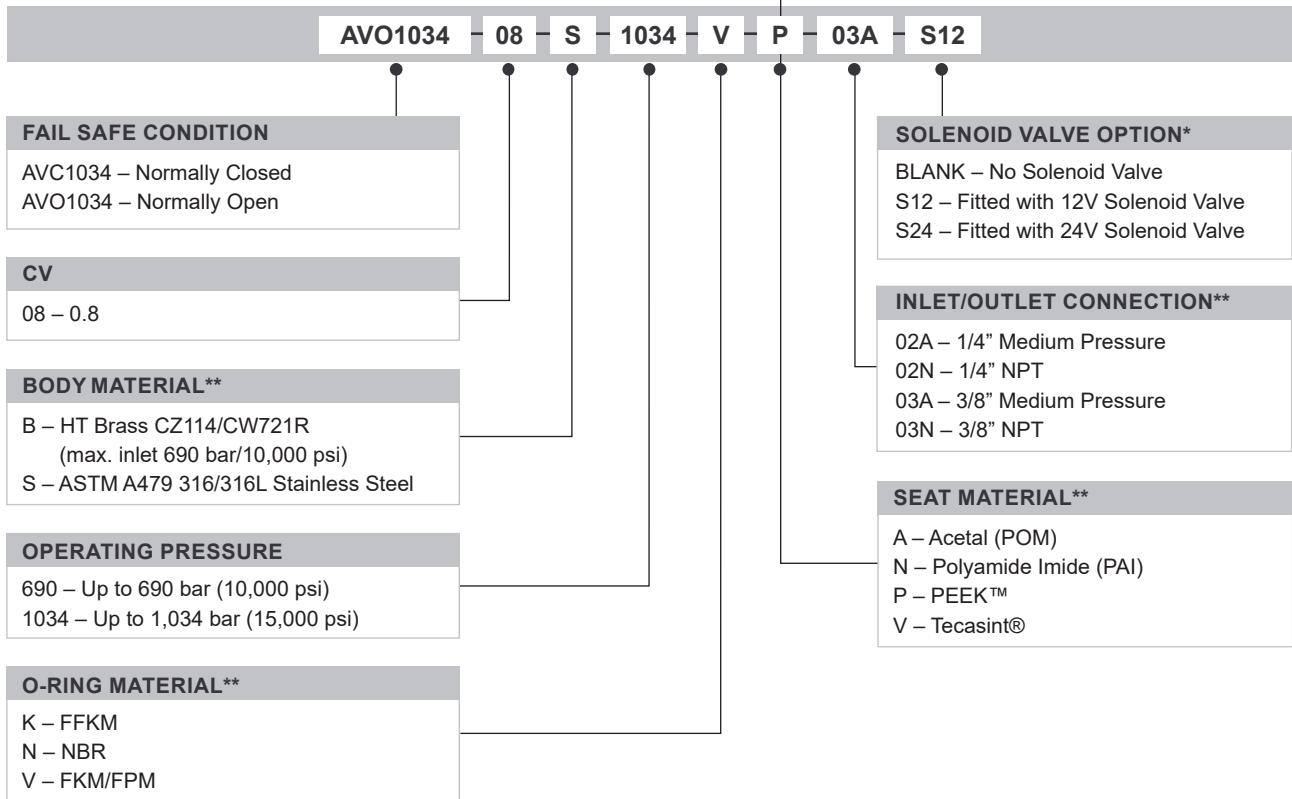
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ORDERING INFORMATION

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



TRADEMARKS: PEEK™ 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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