

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" NPT Male Thread Valved Plug Coupling,
1/4" Flow,
Natural Acetal Body, Internal Valve
and Terminations,
Stainless Steel Spring, Buna-N O-Ring Seal

NAME DATE
DRAWN BY: SCW 10-MAR-2016

PART#
40ACV-PB1-04

REV
1

SHEET 1 OF 3

SCALE 3 : 1

DO NOT SCALE DRAWING

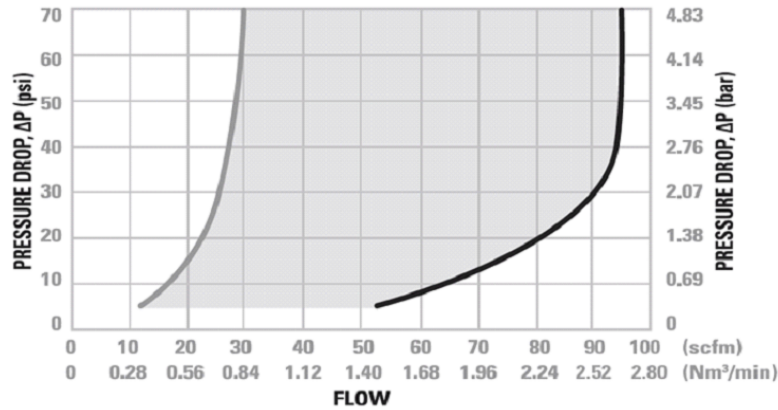


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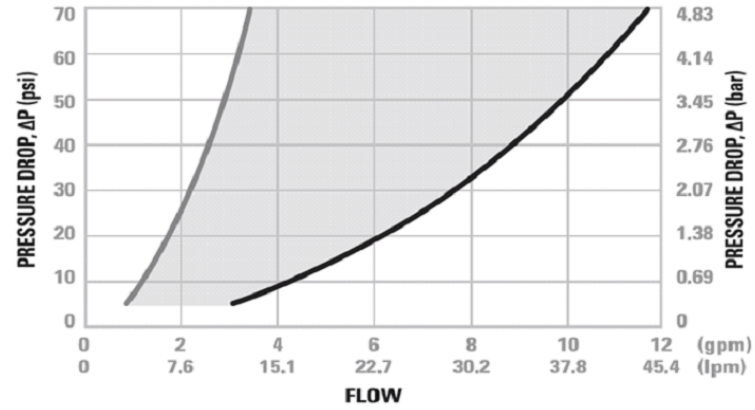
Specifications

Body and Termination Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Seal Material Option	Buna-N O-ring - FDA and NSF Compliant for Food Contact O-rings lubricated with Dow Corning 200 food grade silicone oil.
Internal Valve Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Internal Valve Spring Material	316 Stainless Steel
Operating Pressure Range	Vacuum to 120 psi (8.3 bar)
Operating Temperature Range	-40° F to 180° F (-40° C to 82° C)
Flow Capacity	1/4" Size
Thread Size	1/4" Male NPT
Compatibility Statement	<p>It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products.</p> <p>Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.</p>

40AC Series Air Flow



40AC Series Water Flow



These graphs are intended to give you a general idea of the performance capabilities of the product line.

<p>Specific coupling combination flow rates can be determined by using this formula:</p>	$Q = C_v \times \text{SQRT}(\Delta P/S)$ <p>SQRT = Square root Q = Flow rate in gallons per minute C_v = Average flow rate (see chart) ΔP = Pressure drop across coupling (psi) S = Specific gravity of liquid</p>
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C_v Values for the 40ACV-PB1-04

Valved Male Thread Plug Coupling

Sockets:	40ACV-SB2-04	40AC-S2-04	40ACV-SB2-06	40ACV-S2-06	40ACV-SB3-04	40ACV-SB3-04
40ACV-PB1-04	0.43	0.65	0.45	0.70	0.43	0.65

Sockets:	40ACV-SB3-06	40AC-S3-06	40ACV-SB1-04	40AC-S1-04	40ACV-SB1-06	40ACV-S1-06
40ACV-PB1-04	0.45	0.70	0.45	0.75	0.45	0.75