

PROPRIETARY AND CONFIDENTIAL

Description

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3/8" Hose Barb, Valved In-Line Hose Barb Plug Coupling, 1/4" Flow, Natural Acetal Body and Terminations, Natural Acetal Internal Valve, Stainless Steel Internal Valve Spring, Buna-N O-Ring Seals

NAME DATE
DRAWN BY: SCW 02-JUN-2016

PART# 50ACV-PB2-06

REV 1

SHEET 1 OF 3

SCALE 5 : 2

DO NOT SCALE DRAWING

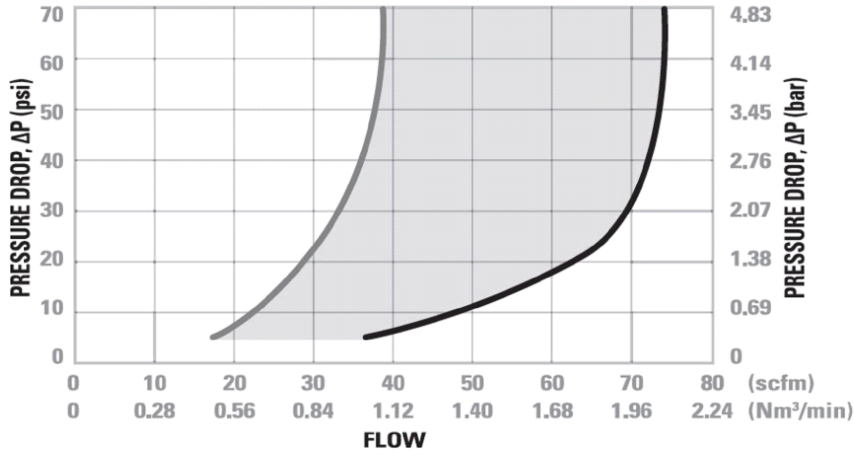


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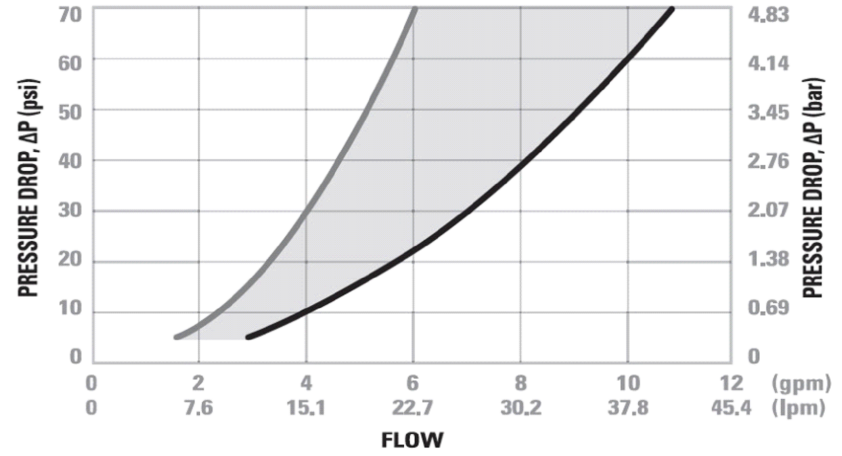
Specifications

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
Barb Size	3/8" ID Tube Size (9.5mm ID)
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>

50AC Series Air Flow



50AC Series Water Flow



Specific coupling combination flow rates can be determined by using this formula:

$$Q = C_v \times \text{SQRT}(\Delta P / S)$$

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

C_v Values for the 50ACV-PB2-06

Valved In-Line Hose Barb Plug Coupling

Sockets:	50ACV-SB2-04	50AC-S2-04	50ACV-SB2-06	50AC-S2-06	50ACV-SB3-04	50AC-SB3-04
50ACV-PB2-06	0.43	0.63	0.50	0.89	0.33	0.39

Sockets:	50AC-S3-06	50ACV-SB1-04	50AC-S1-04	50ACV-SB1-06	50AC-S1-06	
50ACV-PB2-06	0.62	0.50	0.45	0.95	0.50	0.92