

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" Hose Barb, Valved In-Line Hose Barb Socket Thumb-Latch Type Coupling, 1/8" Flow, Buna-N O-ring Seal, Natural Acetal Body, Internal Valve and Terminations, Stainless Steel Thumb-Latch, Springs and Pins

DRAWN BY:

NAME

DATE

SCW

22-Oct-14

PART#

20ACV-SB2-04

REV

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SCALE 2.5:1

DO NOT SCALE DRAWING

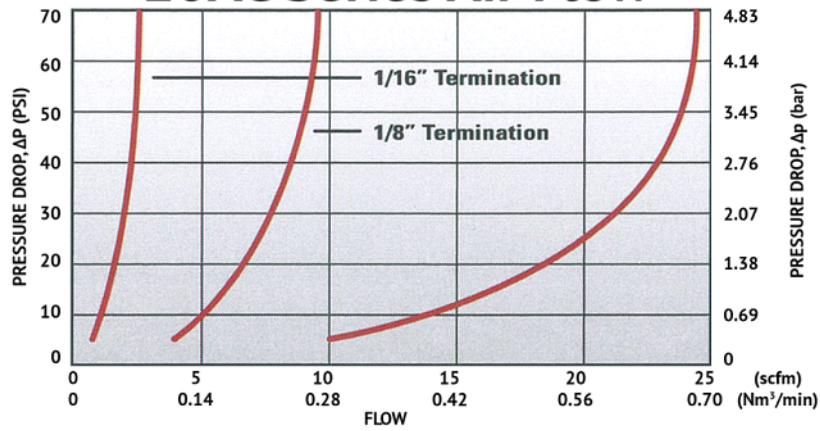


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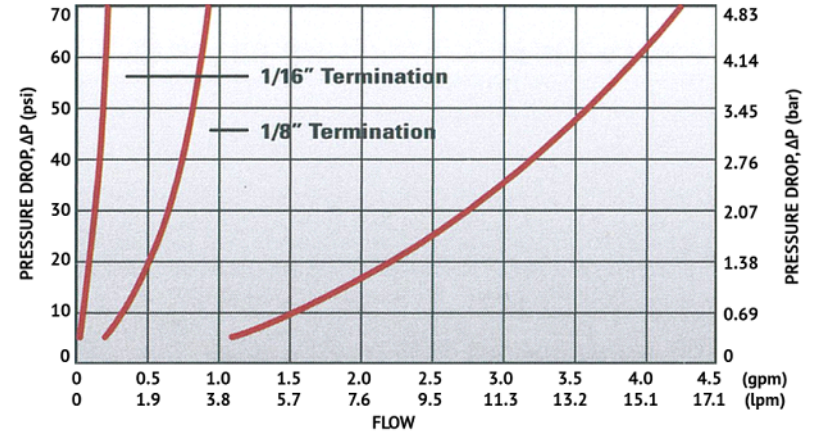
# Specifications

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-ring 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
Thumb-latch Material	301 Stainless Steel
Thumb-latch Spring Material	304 Stainless Steel
Pin Material	316 Stainless Steel
Pin Spring Material	302 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	1/8" Size
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>

## 20AC Series Air Flow



## 20AC 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)

$\Delta P$  = Pressure drop across coupling (psi)

S = Specific gravity of liquid

### $C_v$ Values for the 20ACV-SB2-04 Valved In-Line Hose Barb Socket Coupling

Plugs:	20ACV-PB2-01	20AC-PB2-01	20ACV-PB2-02	20AC-PB2-02	20ACV-PB2-03	20AC-PB2-03	20ACV-PB2-04	20AC-PB2-04
20ACV-SB2-04	0.03	0.03	0.16	0.22	0.16	0.22	0.21	0.26

Plugs:	20ACV-PB9-04	20AC-PB9-04	20ACV-PB1-02	20AC-PB1-02	20ACV-PB1-04	20AC-PB1-04	20ACV-PB4-04	20AC-PB4-04
20ACV-SB2-04	0.17	0.23	0.19	0.25	0.21	0.25	0.24	0.27

20ACV-SB2-04

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