

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" NPT Male Thread Valved Plug Coupling,
1/8" Flow,
Natural Acetal Body, Internal Valve and
Terminations,
Stainless Steel Spring,
Buna-N O-ring Seals

NAME DATE
DRAWN BY: SCW 07-Nov-14

PART#
20ACV-PB1-04

REV
1

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

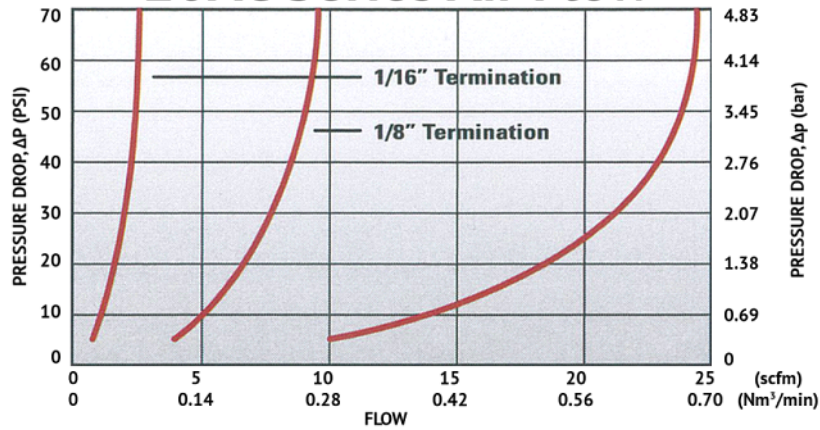


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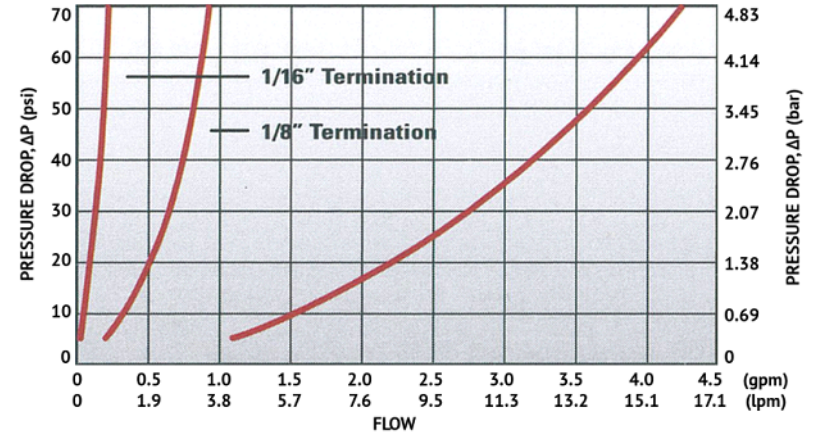
Specifications

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	1/8" Size
Thread Size	1/4" 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>

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)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid

C_v Values for the 20ACV-PB1-04 Male Thread Plug Coupling

Sockets:	20ACV-SB2-01	20AC-S2-01	20ACV-SB2-04	20AC-S2-04	20ACV-SB3-02	20AC-S3-02	20ACV-SB3-04
20ACV-PB1-04	0.03	0.03	0.21	0.24	0.15	0.18	0.21

Sockets:	20AC-S3-04	20ACV-SB8-04	20AC-S8-04	20ACV-SB1-02	20AC-S1-02	20ACV-SB1-04	20AC-S1-04
20ACV-PB1-04	0.25	0.17	0.18	0.20	0.20	0.23	0.25