

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" Male NPT Non-Valved Socket Thumb-Latch Type Coupling, 1/8" Flow, Natural Acetal Body and Terminations, Stainless Steel Thumb-Latch, External Springs and Pins

NAME	DATE
SCW	20-Oct-14

PART# 20AC-S1-04

REV 1

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

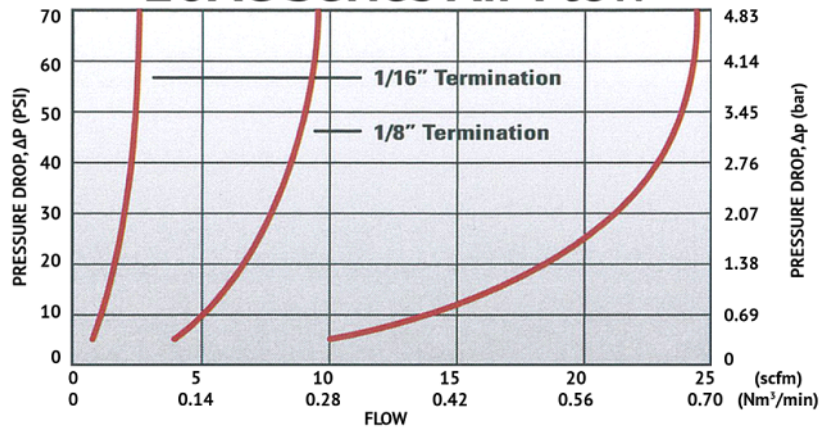


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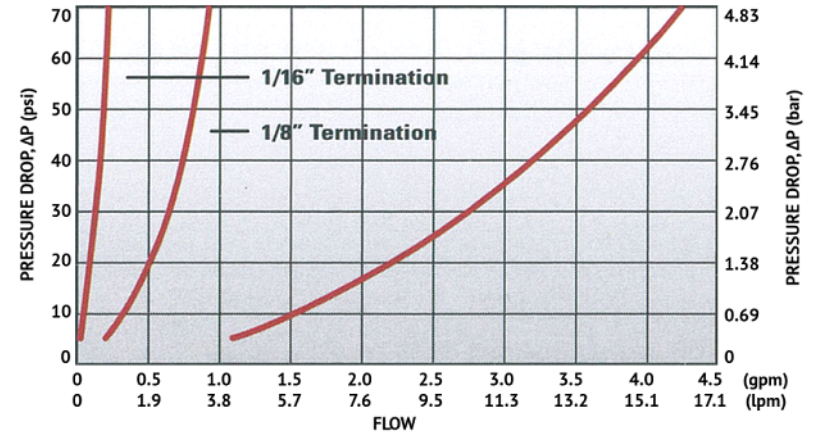
Specifications

Body and Termination Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Thumb-latch Material	301 Stainless Steel
Thumb-latch Spring Material	304 Stainless Steel
Pin Material	316 Stainless Steel
Pin Spring Material	302 Stainless Steel
Thread Size	1/4" NPT
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)

ΔP = Pressure drop across coupling (psi)

S = Specific gravity of liquid

C_v Values for the 20AC-S1-04 Non-Valved 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
20AC-S1-04	0.03	0.03	0.18	0.26	0.19	0.30	0.24	0.50

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
20AC-S1-04	0.21	0.40	0.20	0.50	0.25	0.51	0.26	0.50