

PROPRIETARY AND CONFIDENTIAL

Description

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

NAME DATE  
DRAWN BY: SCW 21-Oct-14

PART#  
20AC-S2-04

REV  
1

SHEET 1 OF 3

SCALE 2.5:1

DO NOT SCALE DRAWING

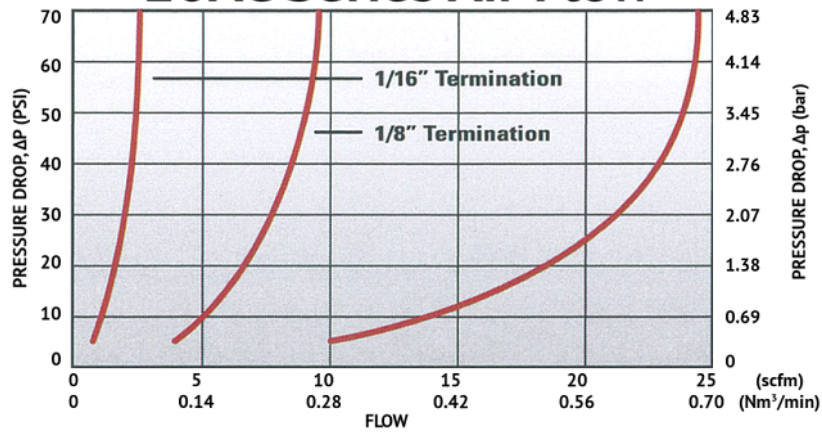


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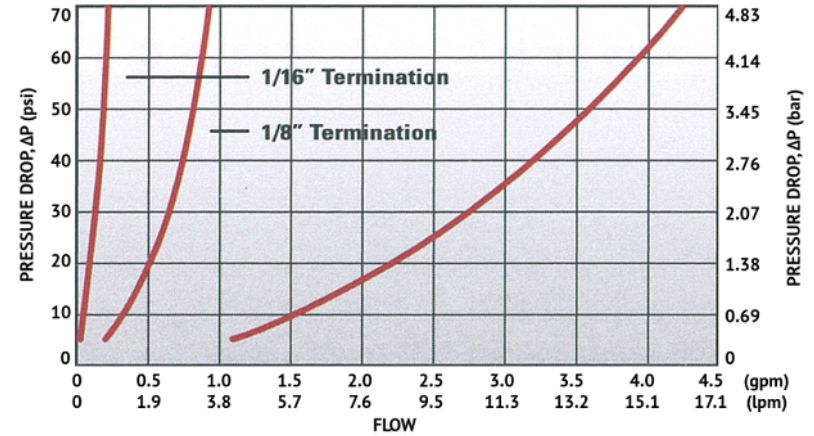
# Specifications

|                               |   |
|-------------------------------|---|
| Body and Termination Material | Natural Acetal (POM) - FDA and NSF Compliant for Food Contact   |
| 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 20AC-S2-04 Non-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 |
| 20AC-S2-04 | 0.03         | 0.03        | 0.18         | 0.24        | 0.19         | 0.26        | 0.23         | 0.45        |

|            |              |             |              |             |              |             |              |             |
|------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| 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-S2-04 | 0.24         | 0.33        | 0.20         | 0.45        | 0.24         | 0.38        | 0.27         | 0.45        |