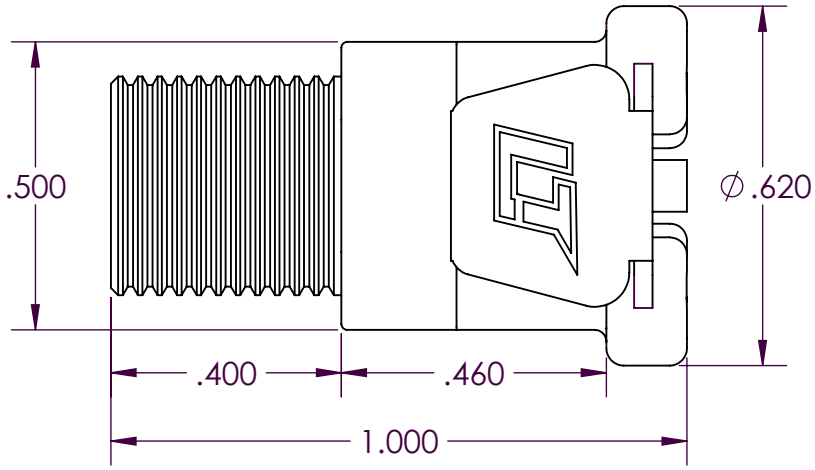
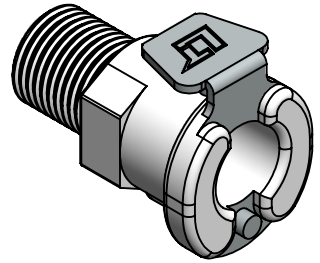
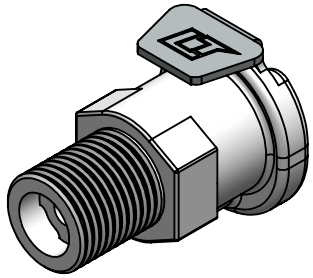
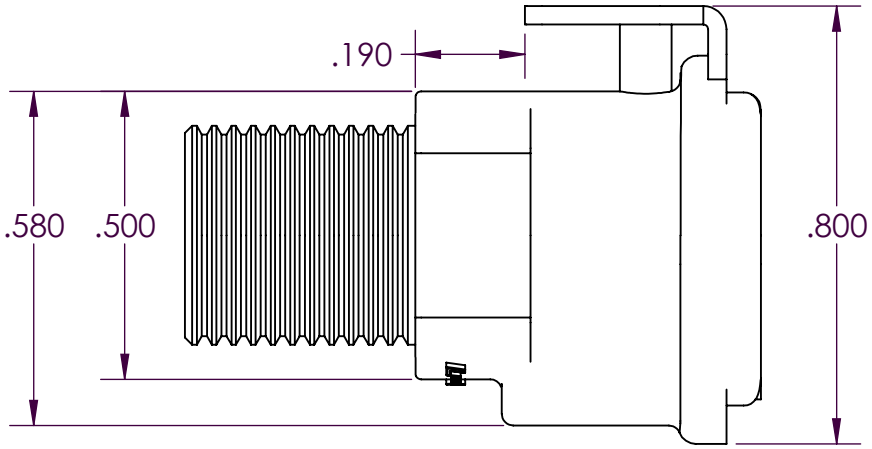
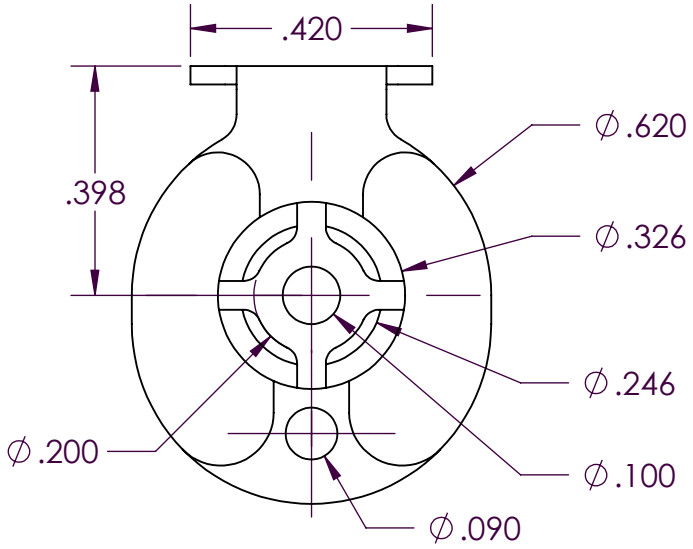




SCALE 1.5 : 1







Description

1/8" Male NPT Valved Socket
Thumb-Latch Type Coupling,
1/8" Flow, Buna-N O-ring Seal,
Natural Acetal Body and Terminations,
Stainless Steel Thumb-Latch, External Springs
and Pins

	NAME	DATE
DRAWN BY:	SCW	16-Oct-14

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

PART# 20ACV-SB1-02

REV 1

Industrial Specialties Mfg.
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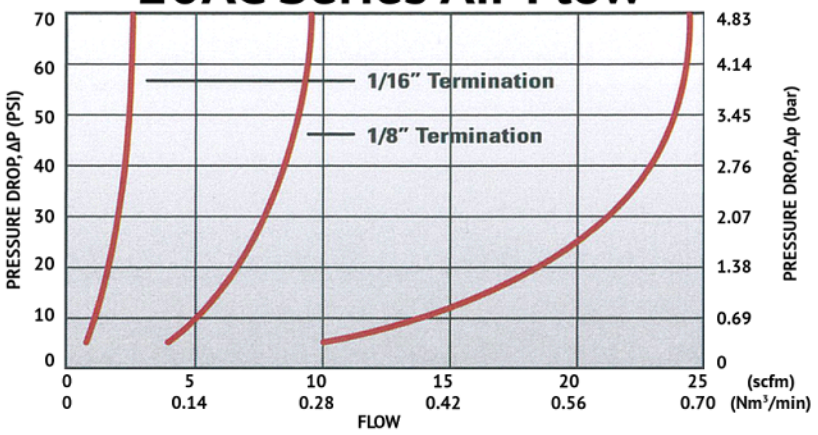
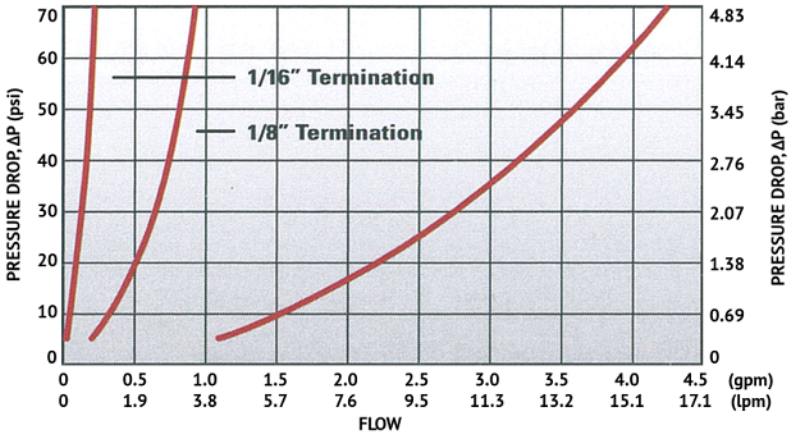
Specifications

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
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
Thread Size	1/8" 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	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. 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.

20AC Series Air Flow



20AC Series Water Flow



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

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

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-SB1-02 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
20ACV-SB1-02	0.03	0.03	0.16	0.24	0.17	0.25	0.20	0.28

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-SB1-02	0.18	0.27	0.20	0.26	0.20	0.29	0.24	0.26