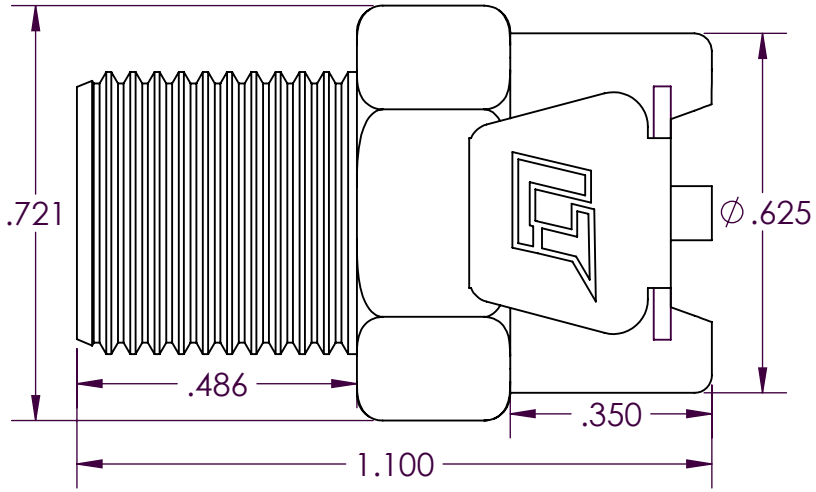
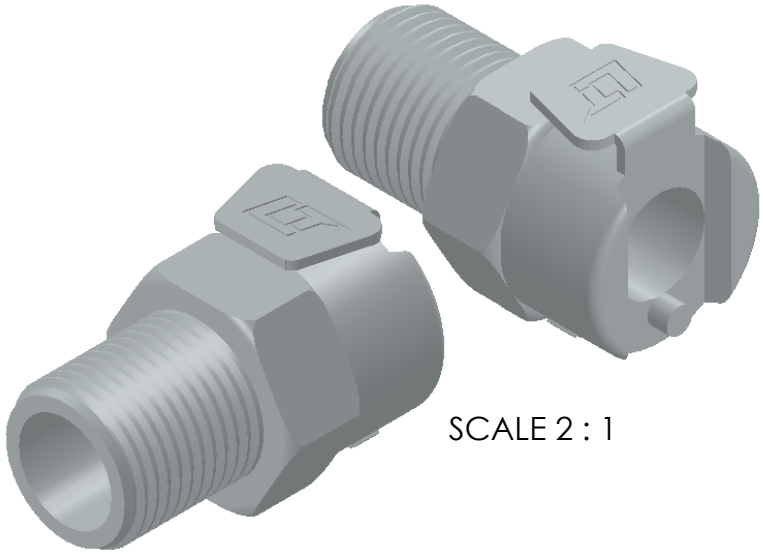
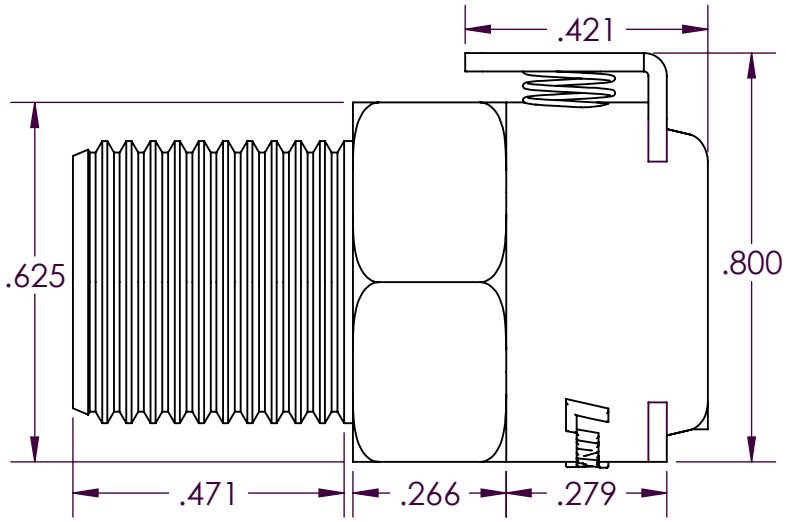
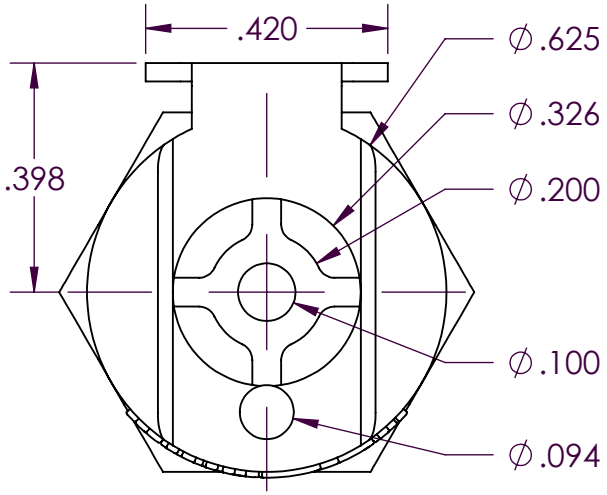




SCALE 2 : 1





Description

1/4" Male NPT Valved Thumb-Latch Type Socket Coupling, 1/8" Flow, Chrome Plated Brass Body and Terminations, Acetal Internal Valve, Buna-N O-ring Seal, Stainless Steel Thumb-Latch, Springs and Pins

	NAME	DATE
DRAWN BY:	SCW	22-Jan-15

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

PART# 20CBV-SB1-04

REV 1

Industrial Specialties Mfg.

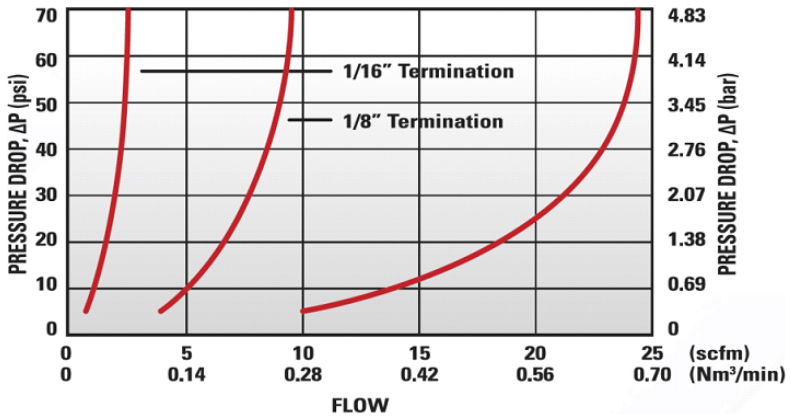
IS Med Specialties

5 4 3 2 1

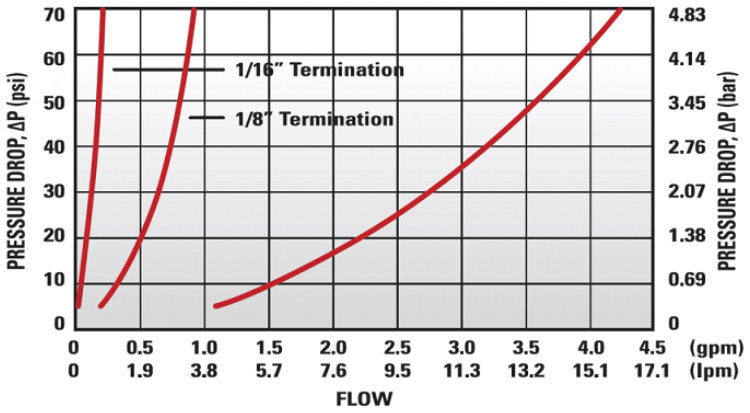
Specifications

Body and Termination Material	FDA Compliant Chrome Plated Brass
Internal Valve Material	Acetal (POM)
Internal Valve Spring	316 Stainless Steel
Seal Material Option	FDA & NSF Compliant Buna-N O-ring Seal
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 250 psi (17.3 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	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.

20PP Series Air Flow



20PP 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 20CBV-SB1-04 Valved Male Thread Socket Coupling

Plugs:	20CBV-PB2-02	20CB-PB2-02	20CBV-PB2-03	20CB-PB2-03	20CBV-PB2-04	20CB-PB2-04	20CBV-PB9-04
20CBV-SB1-04	0.17	0.25	0.18	0.25	0.23	0.30	0.19

Plugs:	20CB-PB9-04	20CBV-PB1-02	20CB-PB1-02	20CBV-PB1-04	20CB-PB1-04	20CBV-PB4-04	20CB-PB4-04
20CBV-SB1-04	0.30	0.21	0.27	0.23	0.28	0.24	0.29