


PROPRIETARY AND CONFIDENTIAL	Description	DRAWN BY:	NAME SCW	DATE 20-Jan-15	PART# 20CB-S1-04	REV 1
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INDUSTRIAL SPECIALTIES MFG. AND IS MED SPECIALITES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INDUSTRIAL SPECIALTIES MFG. AND IS MED SPECIALITES IS PROHIBITED.	1/4" Male NPT Non-Valved Thumb-Latch Type Socket Coupling, 1/8" Flow, Chrome Plated Brass Body and Terminations, Stainless Steel Thumb-Latch, External Springs and Pins	SHEET 1 OF 3			 <b>Industrial Specialties Mfg.</b> IS Med Specialties	
		SCALE 3:1				
		DO NOT SCALE DRAWING				

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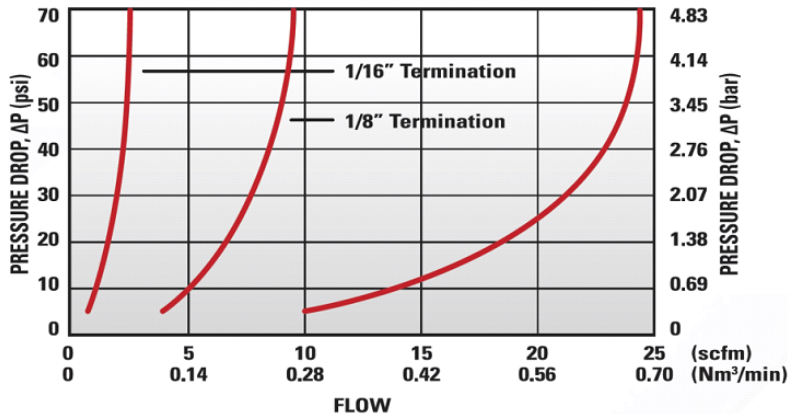
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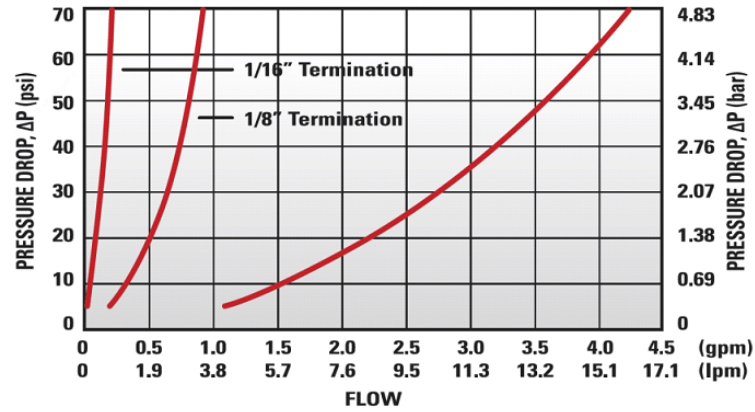
# Specifications

Body and Termination Material	Food Grade Chrome Plated Brass
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	<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>

## 20PP Series Air Flow



## 20PP 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<sub>v</sub> = Average flow rate (see chart)  
 ΔP = Pressure drop across coupling (psi)  
 S = Specific gravity of liquid

### C<sub>v</sub> Values for the 20CB-S1-04 Non-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
20CB1-S1-04	0.18	0.26	0.19	0.30	0.24	0.50	0.21

Plugs:	20CB-PB9-04	20CBV-PB1-02	20CB-PB1-02	20CBV-PB1-04	20CB-PB1-04	20CBV-PB4-04	20CB-PB4-04
20CB1-S1-04	0.40	0.20	0.50	0.25	0.51	0.26	0.50