

PROPRIETARY AND CONFIDENTIAL

Description

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1/8" Hose Barb,  
Valved In-Line Hose Barb Plug Coupling, 1/8" Flow,  
Chrome Plated Brass Body and Terminations,  
Acetal Internal Valve,  
Buna-N O-Ring Seals,  
Stainless Steel Internal Spring

NAME	DATE
DRAWN BY: SCW	23-Feb-2015

PART#	REV
20CBV-PB2-02	1

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

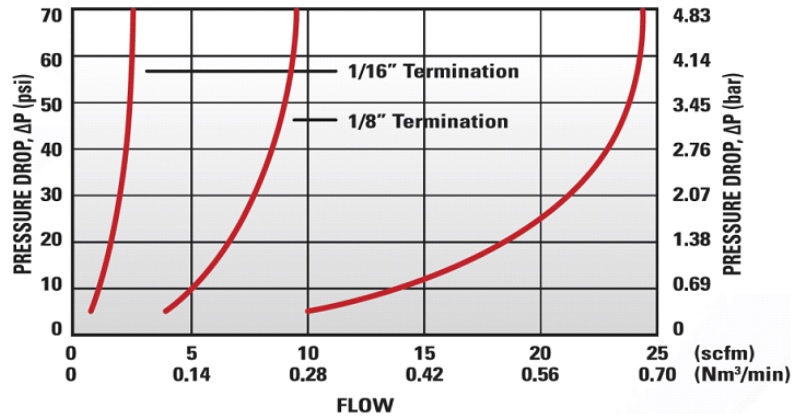


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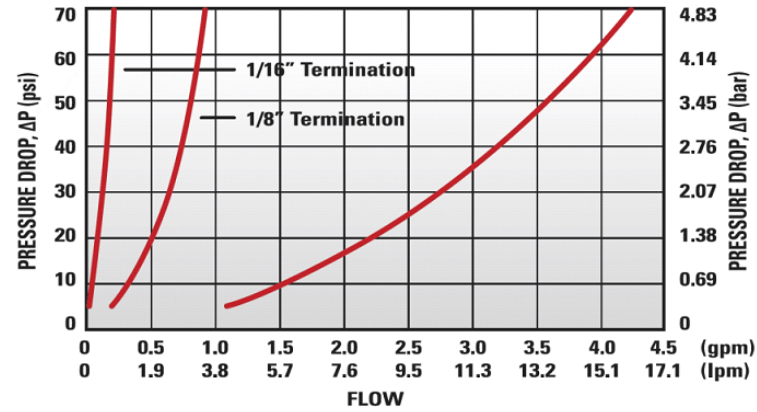
# Specifications

Body and Termination Material	Food Grade Chrome Plated Brass
Internal Valve Material	Acetal (POM)
Internal Valve Spring	316 Stainless Steel
Seal Material Option	FDA & NSF Compliant Buna-N O-ring Seals
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
Barb Size	1/8", 3.2mm
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 20CBV-PB2-02

#### Valved In-Line Hose Barb Plug Coupling

Sockets:	20CBV-SB2-04	20CB-S2-04	20CBV-SB3-02	20CB-S3-02	20CBV-SB3-04	20CB-S3-04
20CBV-PB2-02	0.16	0.18	0.14	0.14	0.16	0.18

Sockets:	20CBV-SB8-04	20CB-S8-04	20CBV-SB1-02	20CB-S1-02	20CBV-SB1-04	20CB-S1-04
20CBV-PB2-02	0.16	0.16	0.16	0.16	0.17	0.18