

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" OD Tube Size,
Valved Panel Mount PTF Plug Coupling, 1/8" Flow,
Chrome Plated Brass Body and Terminations,
Nickel Plated Brass PTF Nut, Acetal Internal Valve,
Buna-N O-Ring Seals, Stainless Steel Internal Spring,
Nickel Plated Brass Panel Nut

NAME DATE
DRAWN BY: SCW 02-Mar-2015

PART# 20CBV-PB8-04

REV 1

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING



Industrial Specialties Mfg.
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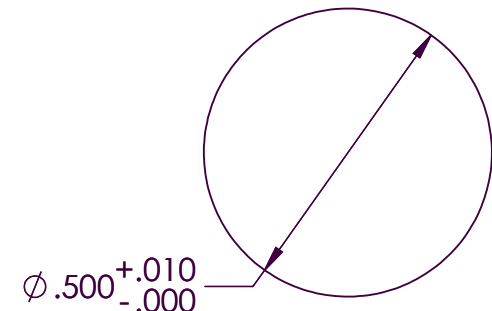
Specifications

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
PTF (Ferrules Polytube Fitting) Nut	Electrodeposited Nickel Plated Brass
Tube Size	1/4" OD, .17" ID
Metric Tube Size	6.4mm OD, 4.3mm ID
Panel Mount Nut	5/8" Electrodeposited Nickel Plated Brass
Panel Mount Nut Thread	1/2" - 24UNS
Operating Pressure Range	Vacuum to 250 psi (17.3 bar)
Operating Temperature Range	-40° F to 180° F (-40° C to 82° C)
Hose Barb Size	1/8" ID, 3.2mm ID
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>

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	Per Drawing	0.5"	0.05"
PLUGS	0.5"	0.3"	0.05"

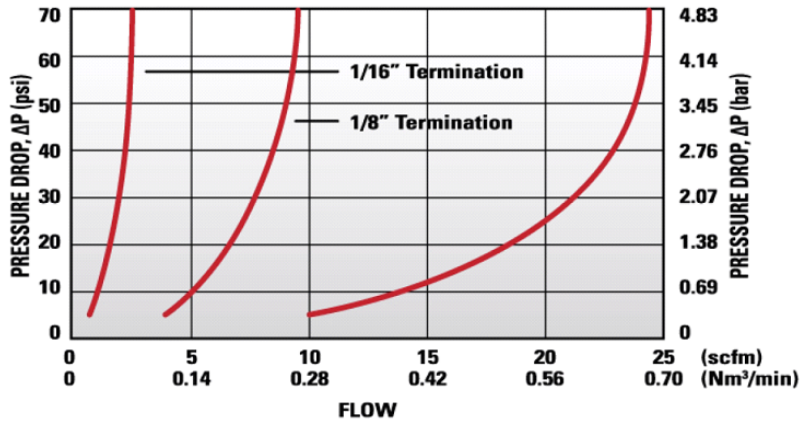
PANEL NUT HEX SIZE	PANEL NUT THREAD
5/8"	1/2" - 24UNS



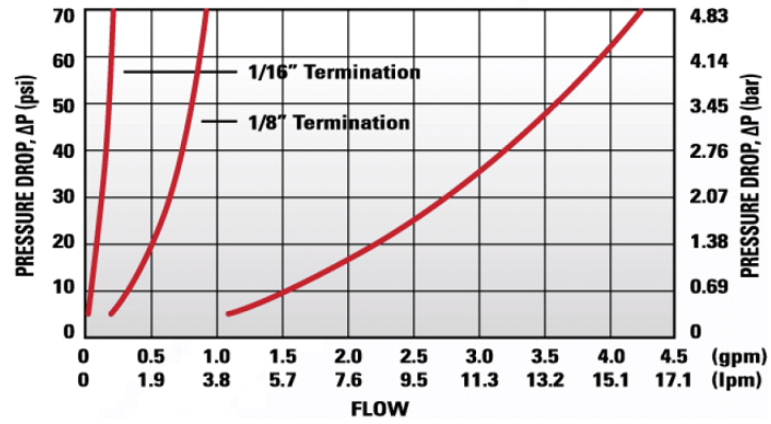
20CBV-PB8-04

SHEET 2 OF 3

20CB Series Air Flow



20CB 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)
	ΔP = Pressure drop across coupling (psi)
	S = Specific gravity of liquid

C_v Values for the 20CBV-PB8-04

Valved Panel Mount PTF Plug Coupling

Sockets:	20CBV-SB2-04	20CB-S2-04	20CBV-SB3-02	20CB-S3-02	20CBV-SB3-04	20CB-S3-04
20CBV-PB8-04	0.17	0.24	0.15	0.15	0.17	0.23

Sockets:	20CBV-SB8-04	20CB-S8-04	20CBV-SB1-02	20CB-S1-02	20CBV-SB1-04	20CB-S1-04
20CBV-PB8-04	0.17	0.18	0.20	0.19	0.23	0.24