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Description

1/16" Shrouded Barb, Valved Twist Lock Type Panel Mount Hose Barb Socket, 1/16" Flow, Buna-N O-ring Seal, Black Acetal Body, Termination, Internal Valve and Lock Sleeve, Stainless Steel Spring, Nickel Plated Brass Panel Nut

DRAWN BY:

NAME

SCW

DATE

07-Oct-14

PART#

10ACV-SB3-01

REV

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SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING



Industrial Specialties Mfg.
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Specifications

Body and Termination Material	Black Acetal (POM)
Seal Material Option	Buna-N O-ring
Internal Valve Material	Black Acetal (POM)
Internal Valve Spring Material	316 Stainless Steel
Lock Sleeve Material	Black Acetal (POM)
Panel Mount Nut Material	Electrodeposited Nickel Plated Brass
Operating Pressure Range	Vacuum to 100 psi (6.9 bar)
Operating Temperature Range	-40° F to 180° F (-40° C to 82° C)
Flow Capacity	1/16" Size
Tube Size	1/6" ID, 1.6mm ID
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

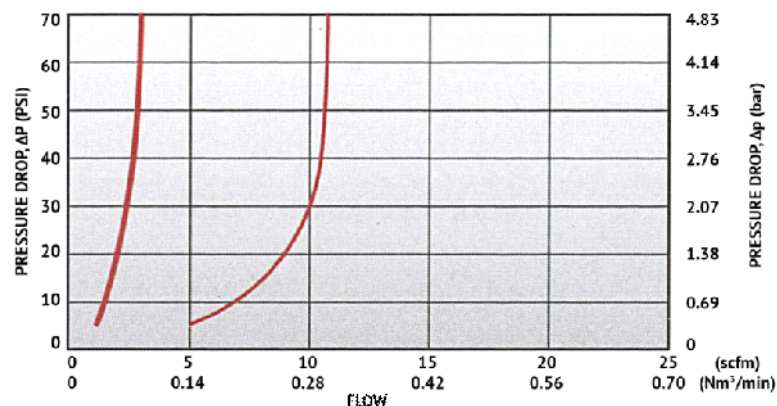
	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	0.438"	0.21"	0.03"
PLUGS	0.438"	0.21"	0.03"

PANEL NUT HEX SIZE	PANEL NUT THREAD
1/2"	7/16" - 24UNF

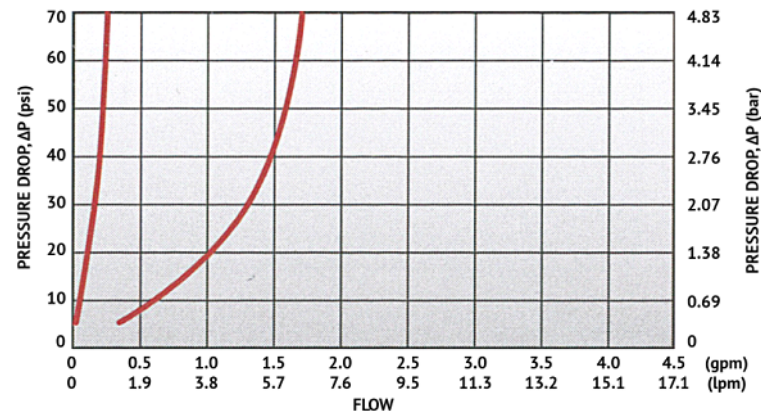
10ACV-SB3-01

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10AC and 10PP Series Air Flow



10AC and 10PP 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 10ACV-SB3-01BLK Socket Coupling

PLUGS: 10AC-PB2-01 10AC-PB2-02 10AC-PB3-01 10AC-PB3-02				
10ACV-SB3-01BLK	0.03	0.03	0.03	0.03