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Description

3/8" Hose Barb, Non-Valved Thumb-Latch Type
Hose Barb Socket Coupling, 1/4" Flow,
Natural Acetal Body and Terminations,
Gray Acetal Thumb-Latch,
Stainless Steel Latch Spring,
Nickel Plated Brass Panel Nut

DRAWN BY:

NAME

SCW

DATE

17-MAY-2016

PART#

50AC-S3-06

REV

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SCALE 5 : 2

DO NOT SCALE DRAWING



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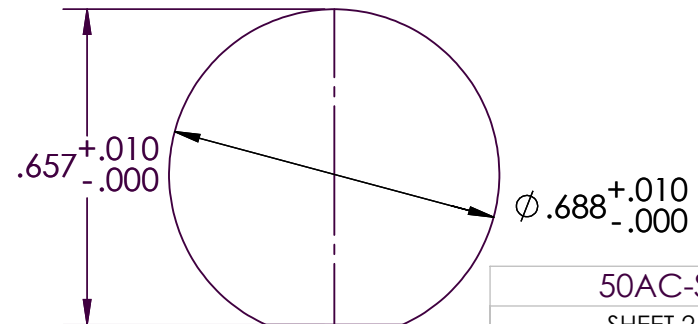
Specifications

Body and Termination Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Thumb Latch Material	Gray Acetal (POM)
Thumb Latch Spring Material	304 Stainless Steel
Panel Mount Nut	13/16" 11/16"-24UNS Electrodeposited Nickel Plated Brass
Operating Pressure Range	Vacuum to 120 psi (8.3 bar)
Operating Temperature Range	-40° F to 180° F (-40° C to 82° C)
Flow Capacity	1/4" Size
Barb Tube Size	3/8" ID, 9.5mm 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>

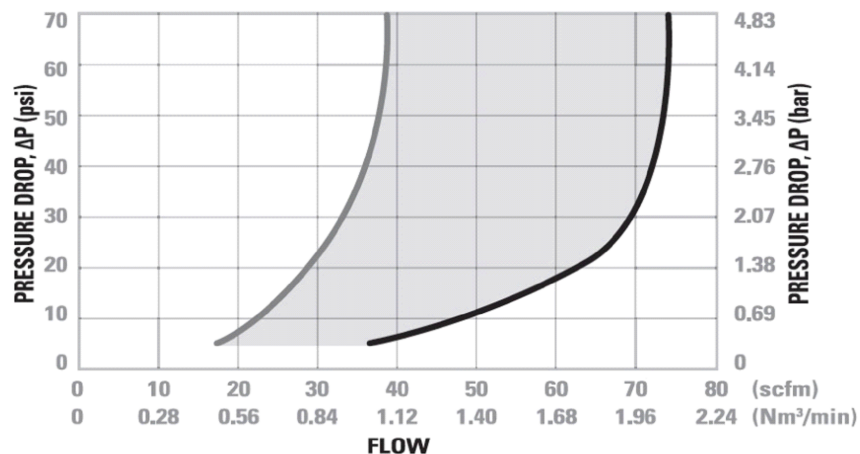
Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	See Drawing	0.5"	0.05"
PLUGS	0.688	0.3"	0.05"

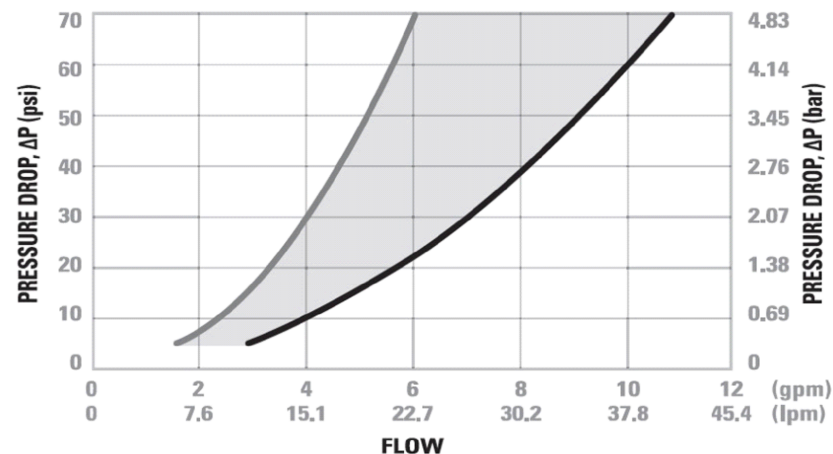
PANEL NUT HEX SIZE	PANEL NUT THREAD
13/16"	11/16" - 24UNS



50AC Series Air Flow



50AC 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 50AC-S3-06

Non-Valved Panel Mount Hose Barb Socket Coupling

Plugs:	50ACV-PB2-04	50AC-PB2-04	50ACV-PB2-06	50AC-PB2-06	50ACV-PB9-04	50AC-PB9-04
50AC-S2-06LB	0.53	0.95	0.80	1.40	0.38	0.39

Plugs:	50ACV-PB9-06	50AC-PB9-06	50ACV-PB1-04	50AC-PB1-04	50ACV-PB1-06	50AC-PB1-06
50AC-S2-06LB	0.57	1.00	0.70	1.40	0.73	1.40

50AC-S3-06

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