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Description

1/4" In-Line Hose Barb, Valved Thumb-Latch Type Socket Coupling, 1/4" Flow, Chrome Plated Brass Body and Terminations, Acetal Internal Valve, Stainless Steel Thumb-Latch, Springs and Pin, Buna-N O-Ring Seal

DRAWN BY:

NAME

SCW

DATE

11-APR-2016

PART#

40CBV-SB2-04

REV

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SCALE 5 : 2

DO NOT SCALE DRAWING

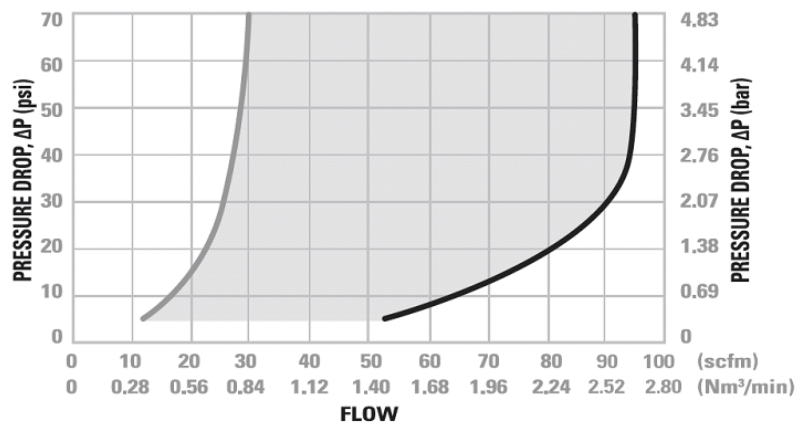


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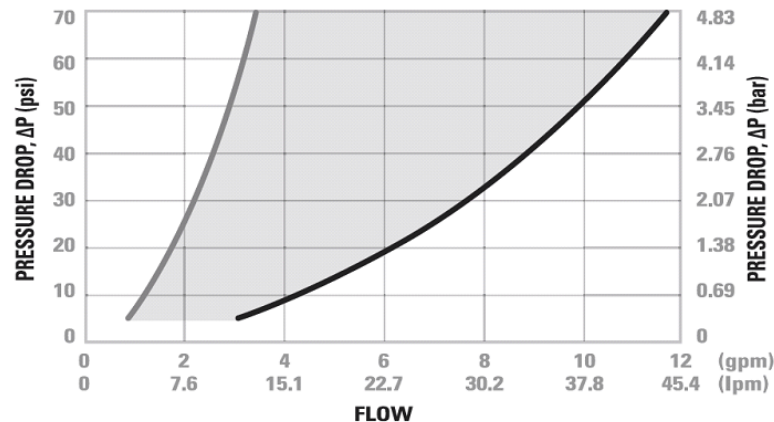
Specifications

Body and Termination Material	NSF Food Contact Compliant Chrome Plated Brass
Internal Valve Material	Acetal (POM)
Internal Valve Spring	316 Stainless Steel
Seal Material Option	FDA and NSF Compliant Buna-N O-ring Seal
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	1/4" Size
Barb Size	1/4" ID, 6.4mm 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>

40CB Series Air Flow



40CB Series Water Flow



Valved Socket & Plug



Valved & Non-Valved Coupling Set



Non-Valved Socket & Plug



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 40CBV-SB2-04

Valved Male Thread Socket Coupling

Plugs:	40CBV-PB2-04	40CB-PB2-04	40CBV-PB2-06	40CB-PB2-06	40CBV-PB9-04	40CB-PB9-04
40CBV-SB2-04	0.42	0.58	0.45	0.78	0.31	0.38

Plugs:	40CBV-PB9-06	40CB-PB9-06	40CBV-PB1-04	40CB-PB1-04	40CBV-PB1-06	40CB-PB1-06
40CBV-SB2-04	0.45	0.60	0.43	0.79	0.45	0.75

40CBV-SB2-04

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