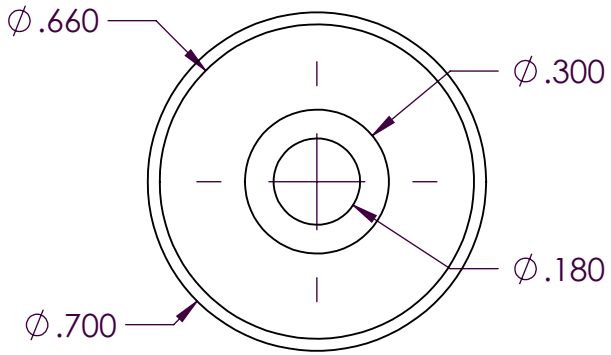
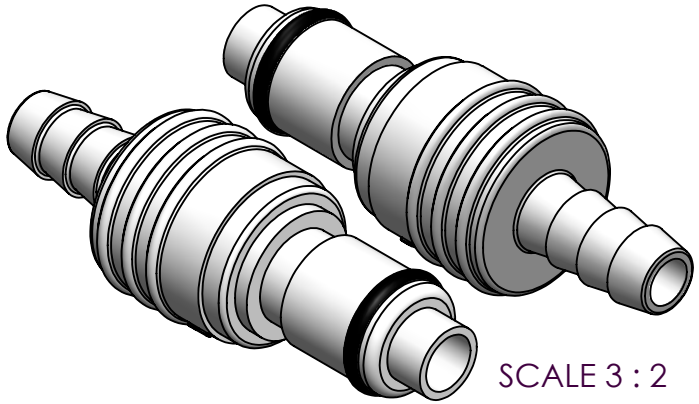
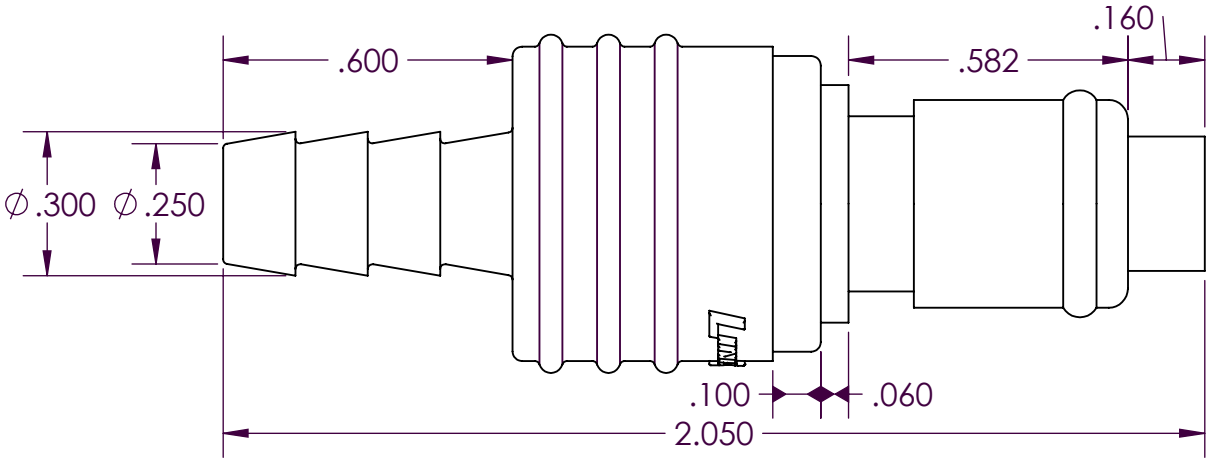
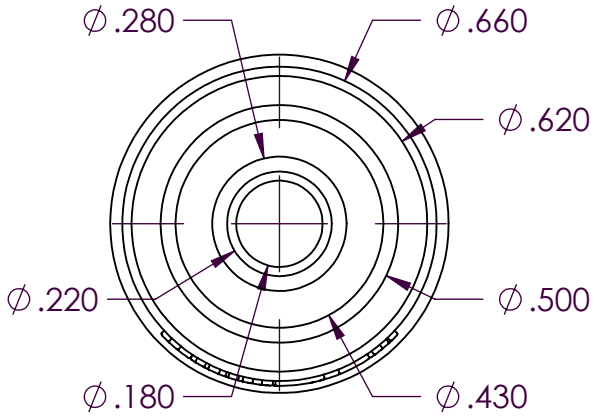


LEFT VIEW



SCALE 3 : 2





Description

1/4" Hose Barb, Valved In-Line Hose Barb Plug Coupling, 1/4" Flow,
Natural Acetal Body and Terminations,
Natural Acetal Internal Valve,
Stainless Steel Internal Valve Spring,
Buna-N O-Ring Seals

	NAME	DATE
DRAWN BY:	SCW	02-JUN-2016

SHEET 1 OF 3

SCALE 5 : 2

DO NOT SCALE DRAWING

PART# 50ACV-PB2-04

REV 1

Industrial Specialties Mfg.

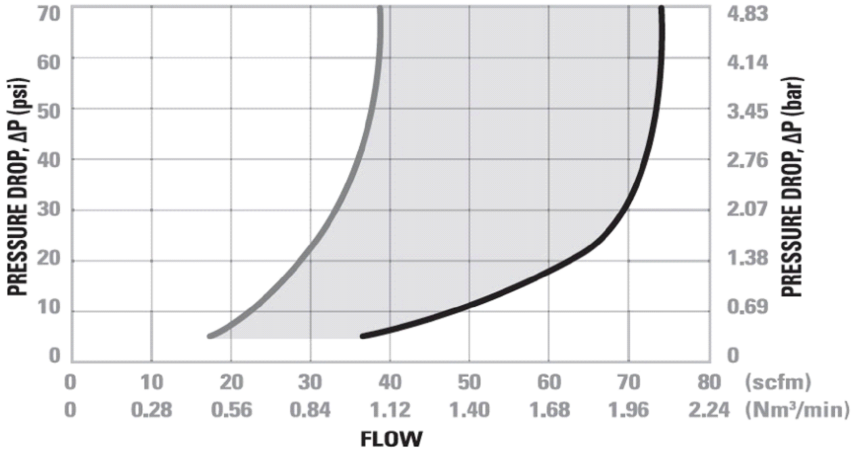
IS Med Specialties

5 4 3 2 1

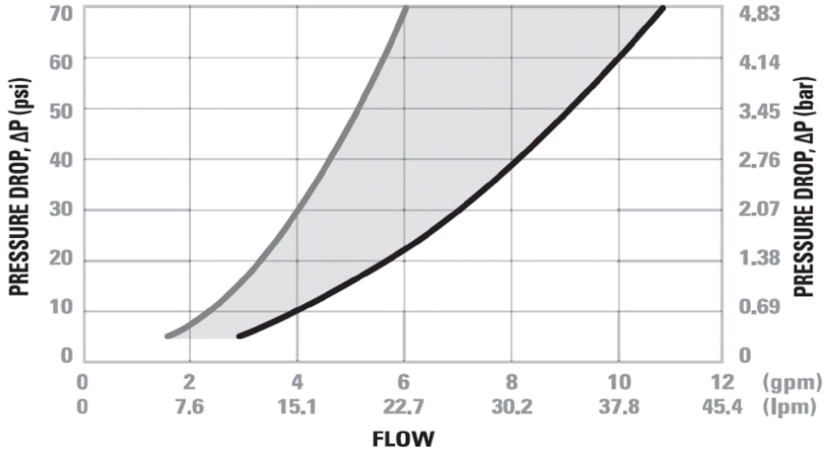
Specifications

Body and Termination Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Seal Material Option	Buna-N O-ring - FDA and NSF Compliant for Food Contact O-rings lubricated with Dow Corning 200 food grade silicone oil.
Internal Valve Material	Natural Acetal (POM) - FDA and NSF Compliant for Food Contact
Internal Valve Spring Material	316 Stainless Steel
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 Size	1/4" ID Tube Size (6.4mm ID)
Compatibility Statement	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. 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.

50AC Series Air Flow



50AC Series Water Flow



Specific coupling combination flow rates can be determined by using this formula:	$Q = C_v \times SQRT(\Delta P/S)$ 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 50ACV-PB2-04 Valved In-Line Hose Barb Plug Coupling

Sockets:	50ACV-SB2-04	50AC-S2-04	50ACV-SB2-06	50ACV-S2-06	50ACV-SB3-04	50AC-SB3-04
50ACV-PB2-04	0.42	0.58	0.45	0.78	0.31	0.38

Sockets:		50AC-S3-06	50ACV-SB1-04	50AC-S1-04	50ACV-SB1-06	50AC-S1-06
50ACV-PB2-04	0.45	0.60	0.43	0.79	0.45	0.75