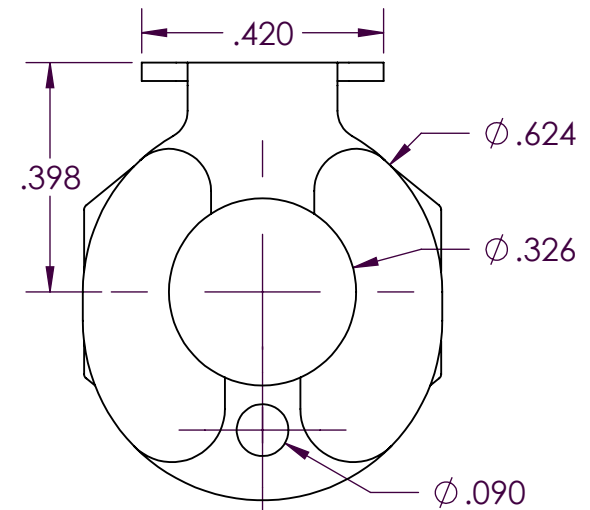
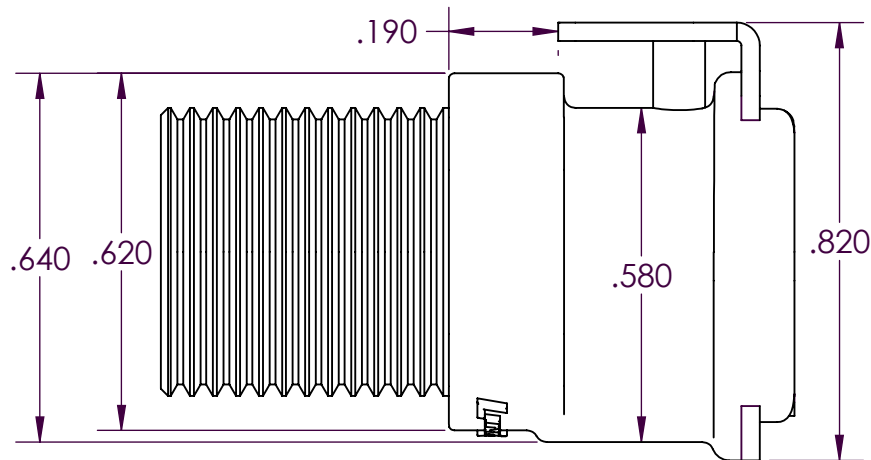


SCALE 2:1



PROPRIETARY AND CONFIDENTIAL

Description

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1/4" Male NPT Non-Valved Socket Thumb-Latch Type Coupling, 1/8" Flow, Gray Polypropylene Body and Terminations, Stainless Steel Thumb-Latch, External Springs and Pins

NAME DATE
DRAWN BY: SCW 24-Nov-14

PART# REV
20PP-S1-04 1

SHEET 1 OF 3

SCALE 3:1

DO NOT SCALE DRAWING

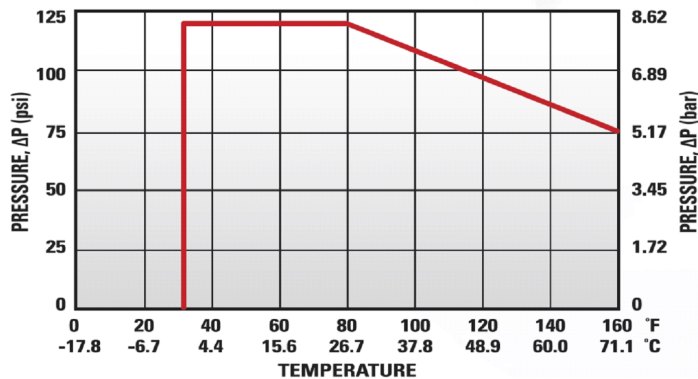


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Specifications

Body and Termination Material	Medical Grade Polypropylene
Standard Color Option	Gray
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 120 psi (8.3 bar)
Operating Temperature Range	32° F to 160° F (0° C to 71° C)
Flow Capacity	1/8" Size
Thread Size	1/4" NPT
Sterilization	Gamma; 50 kGy irradiation max
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>

20PP Series Temperature

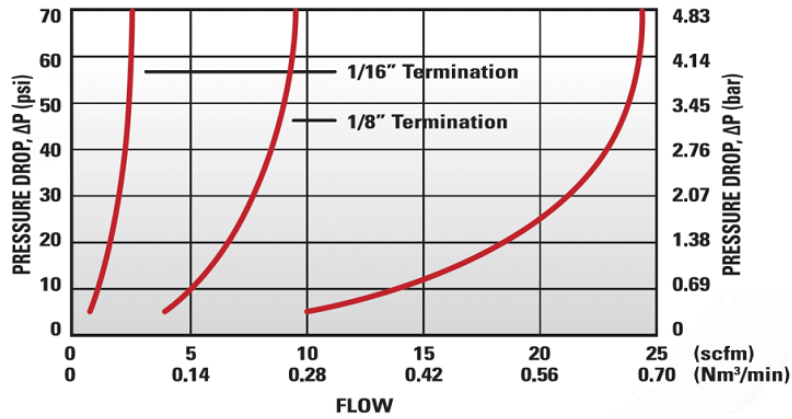


20PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

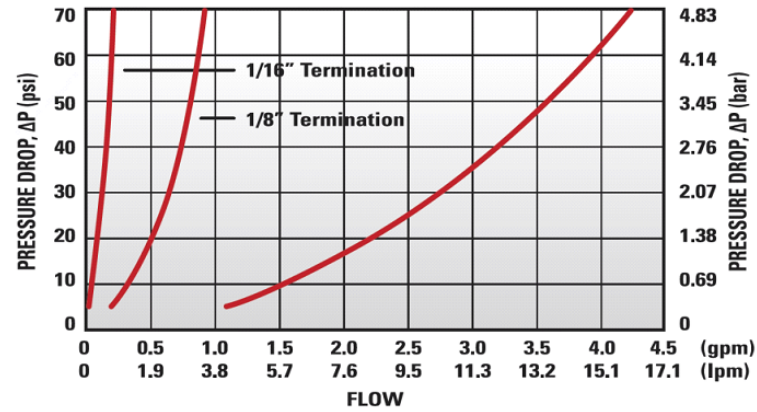
Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide (EtO)
Excellent	Excellent	Excellent	Excellent

Autoclave	E-Beam (50 kGy)	Gamma 5 Mrad (50kGy)	Dry Heat (250° F)
Do Not Use	Excellent	Excellent	Do Not Use

20PP Series Air Flow



20PP 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 20PP-S1-04 Non-Valved Male Thread Socket Coupling

Plugs:	20PPV-PE2-01	20PP-PE2-01	20PPV-PE2-02	20PP-PE2-02	20PPV-PE2-04	20PP-PE2-04
20PP-S1-04	0.03	0.03	0.18	0.26	0.24	0.50

Plugs:	20PPV-PE9-04	20PPX-PE9-04	20PPV-PE1-02	20PPX-PE1-02	20PPV-PE4-04	20PPX-PE4-04
20PP-S1-04	0.21	0.40	0.20	0.50	0.26	0.50