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Description

1/4" OD Tube Size,
Valved In-Line PTF Plug Coupling, 1/8" Flow,
Gray Polypropylene Body and Terminations,
Polypropylene Internal Valve, Stainless Steel Spring,
Nickel Plated Brass PTF Nut,
Peroxide-Cured EPDM O-Ring Seals

DRAWN BY:

NAME

SCW

DATE

11-Feb-2015

PART#

20PPV-PE9-04

REV

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SCALE 3:1

DO NOT SCALE DRAWING

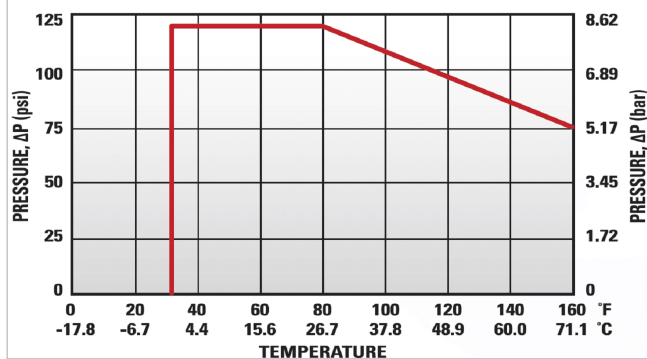


Industrial Specialties Mfg.
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Specifications

Body and Termination Material	Medical Grade Polypropylene
Standard Color Option	Gray
Seal Material Option	Peroxide-cured EPDM O-ring Seals
PTF (Ferruleless Polytube Fitting) Nut	Electrodeposited Nickel Plated Brass
Tube Size	1/4" OD, .17" ID
Metric Tube Size	6.4mm OD, 4.3mm ID
Internal Valve Material	Medical Grade Polypropylene
Internal Valve Spring Material	316 Stainless Steel
Flow Capacity	1/8" Size
Operating Pressure Range	Vacuum to 120 psi (8.3 bar)
Operating Temperature Range	32° F to 160° F (0° C to 71° C)
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

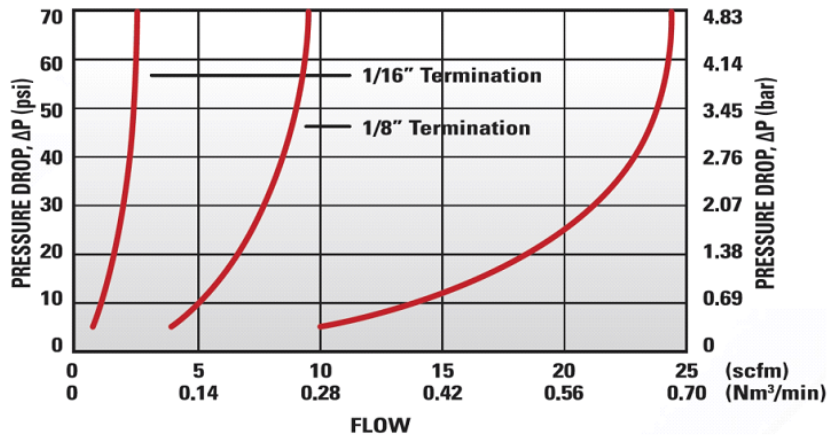
Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide (EtO)
Excellent	Excellent	Excellent	Excellent

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

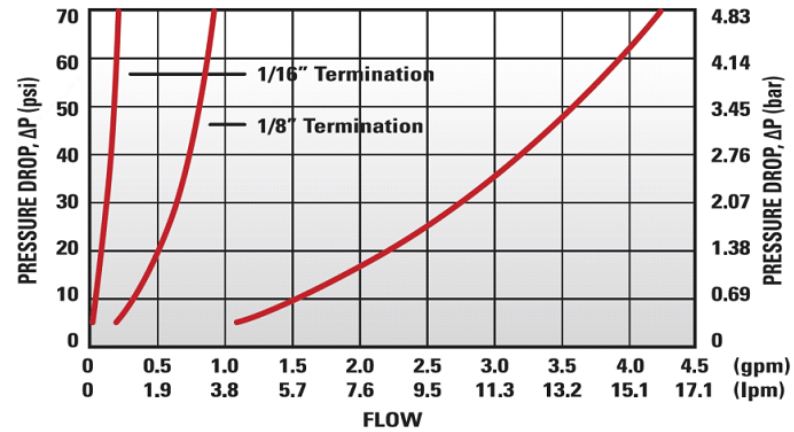
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20PP Series Air Flow



20PP Series Water Flow



These graphs are intended to give you a general idea of the performance capabilities of the product line.

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 20PPV-PE9-04

Non-Valved Male Thread Plug Coupling

Valves:	20PPV-SE2-01	20PP-SE2-01	20PPV-SE2-04	20PP-SE2-04	20PPV-SE3-02	20PP-SE3-02	20PPV-SE3-04
20PPV-PE9-04	0.03	0.03	0.17	0.24	0.15	0.15	0.17

Valves:	20PP-SE3-04	20PPV-SE8-04	20PP-SE8-04	20PPV-SE1-02	20PP-SE1-02	20PPV-SE1-04	20PP-SE1-04
20PPV-PE9-04	0.23	0.17	0.18	0.18	0.18	0.19	0.21

20PPV-PE9-04

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