

PROPRIETARY AND CONFIDENTIAL

Description

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1/16" Shrouded Hose Barb,
Valved In-Line Hose Barb Socket
Thumb-Latch Type Coupling,
1/8" Flow,
Gray Polypropylene Body and Terminations,
Stainless Steel Thumb-Latch, Springs and Pins

NAME	DATE
SCW	08-Dec-14

PART#	REV
20PPV-SE2-01	1

SHEET 1 OF 3

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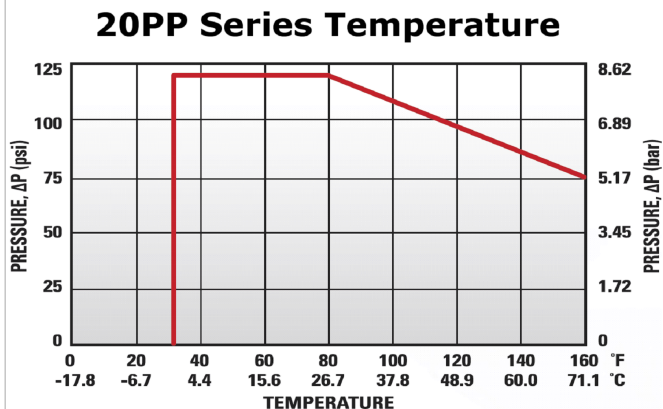
DO NOT SCALE DRAWING



Industrial Specialties Mfg.
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Specifications

Body and Termination Material	Medical Grade Polypropylene
Internal Valve Material	Medical Grade Polypropylene
Seal Material Option	Peroxide-cured EPDM O-ring Seal
Standard Color Option	Gray
Internal Valve Spring Material	316 Stainless Steel
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
Tube Size	1/16" ID, 1.6mm ID
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>

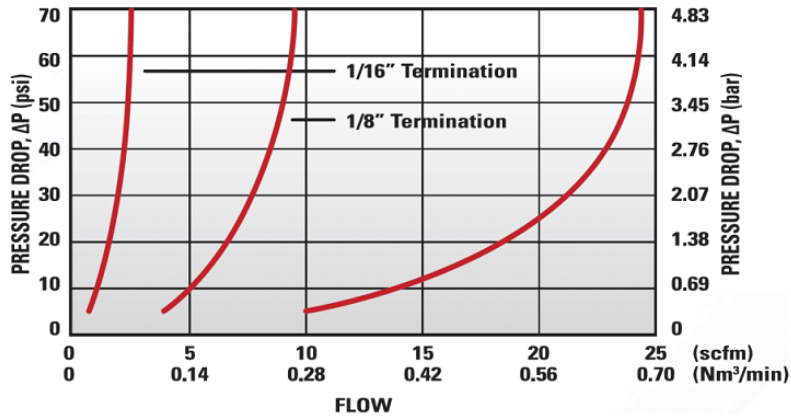


20PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

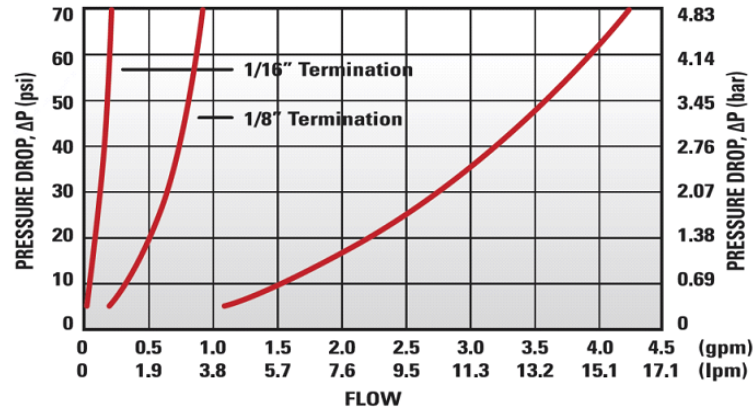
Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide (EtO)
Excellent	Excellent	Excellent	Excellent

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



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

<p>Specific coupling combination flow rates can be determined by using this formula:</p>	$Q = C_v \times \text{SQRT}(\Delta P / S)$ <p>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</p>
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C_v Values for the 20PPV-SE2-01 Valved In-Line Hose Barb Socket Coupling

Plugs:	20PPV-PE2-01	20PP-PE2-01	20PPV-PE2-02	20PP-PE2-02	20PPV-PE2-04	20PP-PE2-04
20PPV-SE2-01	0.02	0.02	0.03	0.03	0.03	0.03

Plugs:	20PPV-PE9-04	20PPX-PE9-04	20PPV-PE1-02	20PPX-PE1-02	20PPV-PE4-04	20PPX-PE4-04
20PPV-SE2-01	0.03	0.03	0.03	0.03	0.03	0.03