

PROPRIETARY AND CONFIDENTIAL

Description

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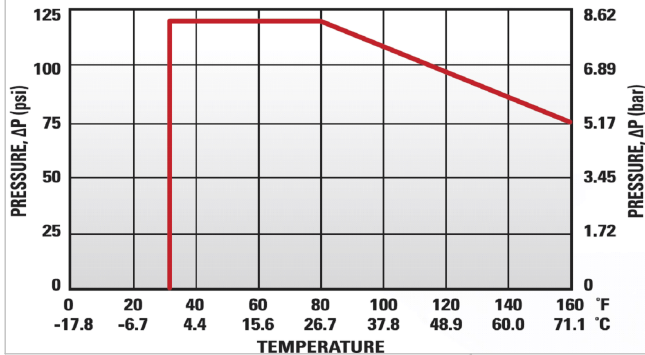
1/8" Hose Barb, Valved Panel Mount Hose Barb Thumb-Latch Type Socket Coupling, 1/8" Flow, Gray Polypropylene Body and Terminations, Stainless Steel Thumb-Latch, Springs and Pins, 5/8" 1/2"-24UNS Nickel Plated Brass Panel Nut

NAME	DATE	PART#	REV
SCW	12-Jan-15	20PPV-SE3-02	1
SHEET 1 OF 3			
SCALE 2.5:1			
DO NOT SCALE DRAWING			

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
Panel Mount Nut	5/8" 1/2"-24UNS Electrodeposited Nickel Plated Brass
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	1/8" ID, 3.2mm 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 Temperature

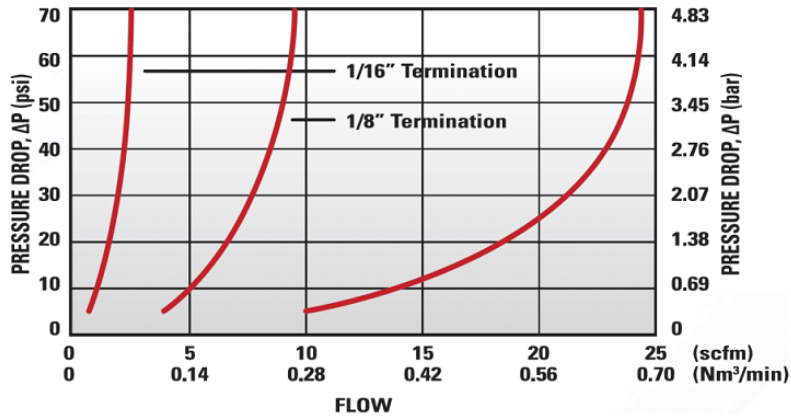


20PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

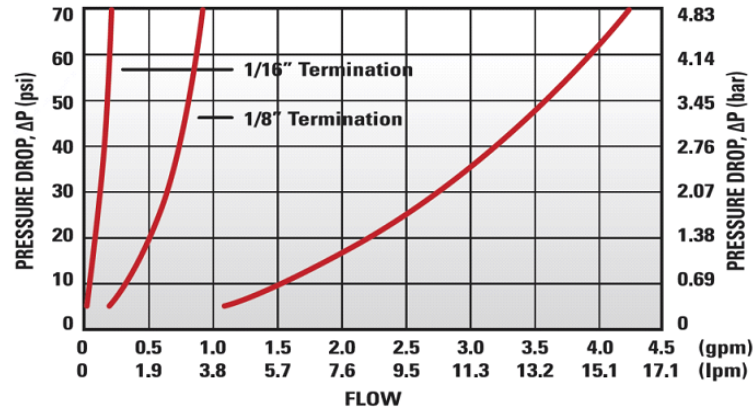
Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide (EtO)
Excellent	Excellent	Excellent	Excellent

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



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-SE3-02 Non-Valved Panel Mount Hose Barb Socket Coupling

Plugs:	20PPV- PE2-01	20PP- PE2-01	20PPV- PE2-02	20PP- PE2-02	20PPV- PE2-04	20PP- PE2-04
	20PPV-SE3-02	0.03	0.03	0.14	0.17	0.15

Plugs:	20PPV- PE9-04	20PPX- PE9-04	20PPv- PE1-02	20PPX- PE1-02	20PPV- PE4-04	20PPX- PE4-04
	20PPV-SE3-02	0.15	0.19	0.18	0.18	0.15

Panel Mount Dimensions

	PANEL OPENING	MAX PANEL THICKNESS	MIN PANEL THICKNESS
SOCKETS	Per Drawing	0.5"	0.05"
PLUGS	0.5"	0.3"	0.05"

PANEL NUT HEX SIZE	PANEL NUT THREAD
5/8"	1/2" - 24UNS



20PPV-SE3-02

SHEET 3 OF 3