

PROPRIETARY AND CONFIDENTIAL

Description

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3/8" Hose Barb, Non-Valved In-Line Hose Barb Thumb-Latch Type Socket Coupling, 1/4" Flow, Gray Polypropylene Body and Terminations, Stainless Steel Thumb-Latch, External Springs and Pins

| | |
|---------------|-------------|
| NAME | DATE |
| DRAWN BY: SCW | 22-MAR-2016 |

PART#

40PP-S2-06MALD

REV
1

SHEET 1 OF 3

SCALE 5 : 2

DO NOT SCALE DRAWING

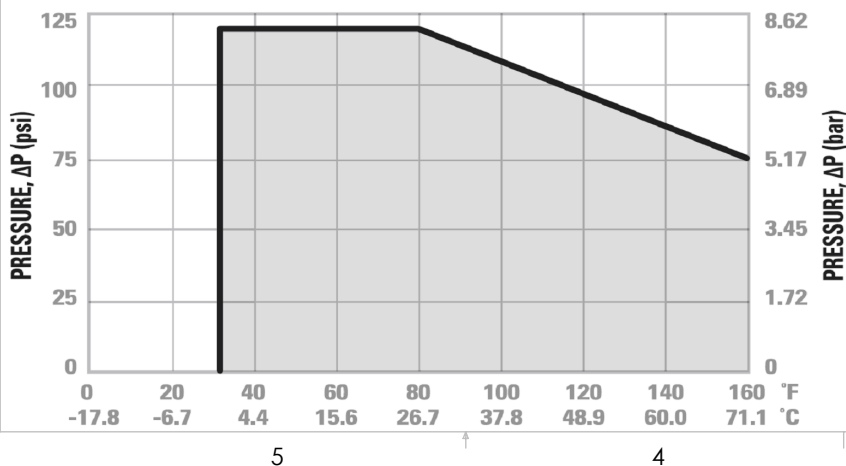


Industrial Specialties Mfg.
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Specifications

| | |
|-------------------------------|---|
| Body and Termination Material | Medical Grade Polypropylene |
| Standard Color Option | Almond |
| 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 | 1/4" Size |
| Barb Size | 3/8" ID, 9.5mm 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> |

40PP Series Temperature

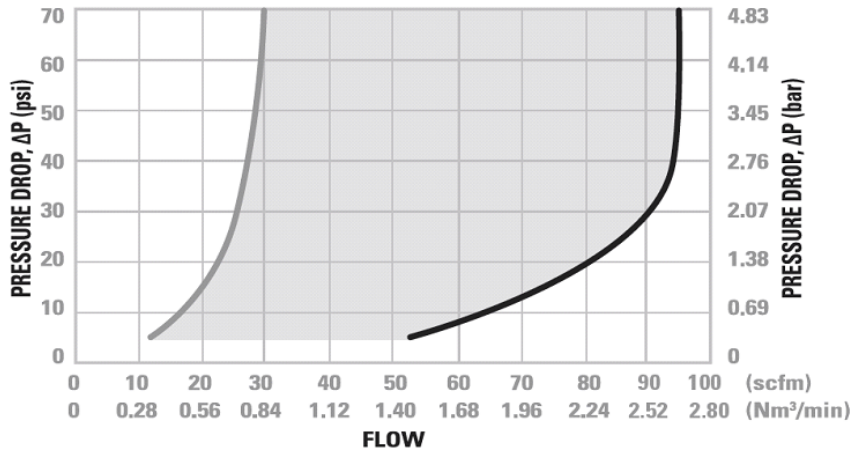


40PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

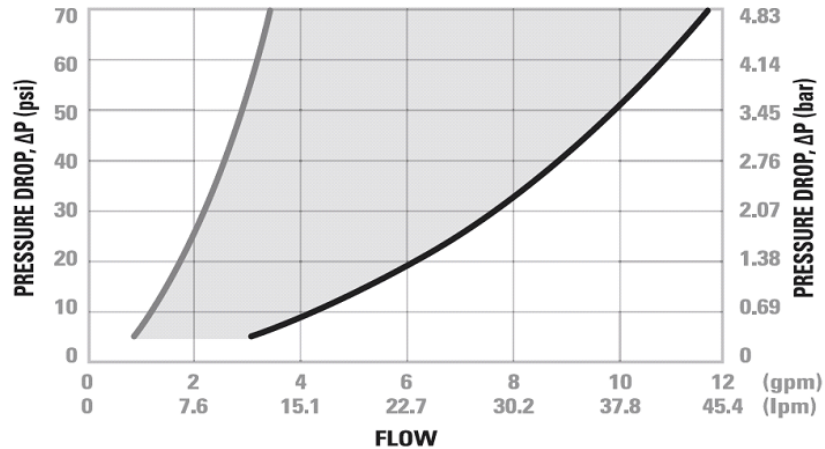
| | | | |
|-----------|-------------------|---------------|----------------------|
| Formalin | Isopropyl Alcohol | Ethyl Alcohol | Ethylene Oxide (EtO) |
| Excellent | Excellent | Excellent | Excellent |

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

40PP Series Air Flow



40PP 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 40PP-S2-06MALD

Non-Valved In-Line Hose Barb Socket Coupling

| Plugs: | 40PPV- PE2-04 | 40PP- PE2-04 | 40PPV- PE2-06 | 40PP- PE2-06 | 40PPV- PE9-06 | 40PPX- PE9-06 |
|--------|------------------|-----------------|------------------|-----------------|------------------|------------------|
| | 40PP-S2-06MALD | 0.53 | 0.95 | 0.80 | 1.40 | 0.57 |

| Plugs: | 40PPV- PE1-04 | 40PPX- PE1-04 | 40PPV- PE3-04 | 40PP- PE3-04 | 40PPV- PE3-06 | 40PP- PE3-06 |
|--------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| | 40PP-S2-06MALD | 0.70 | 1.40 | 0.53 | 0.95 | 0.80 |