

PROPRIETARY AND CONFIDENTIAL

Description

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1/4" Hose Barb, Non-Valved Panel Mount
Hose Barb Socket Thumb-Latch Type Coupling,
1/4" Flow, Almond Polypropylene Body
and Terminations,
Stainless Steel Thumb-Latch, External Springs
and Pins, Nickel Plated Brass Panel Nut

NAME DATE
DRAWN BY: SCW 24-MAR-2016

PART#
40PP-S3-04MALD

REV
1

SHEET 1 OF 3

SCALE 5 : 2

DO NOT SCALE DRAWING

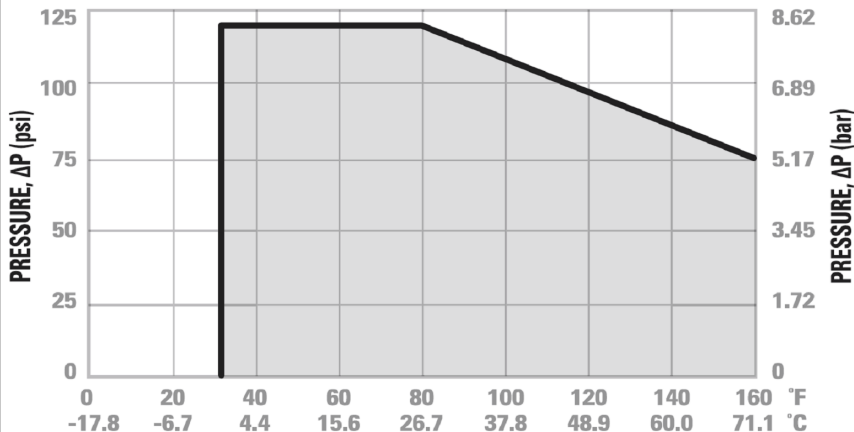


Industrial Specialties Mfg.
IS Med Specialties

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 |
| Panel Mount Nut | 13/16" 11/16"-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 | 1/4" Size |
| Barb Size | 1/4" ID, 6.4mm 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

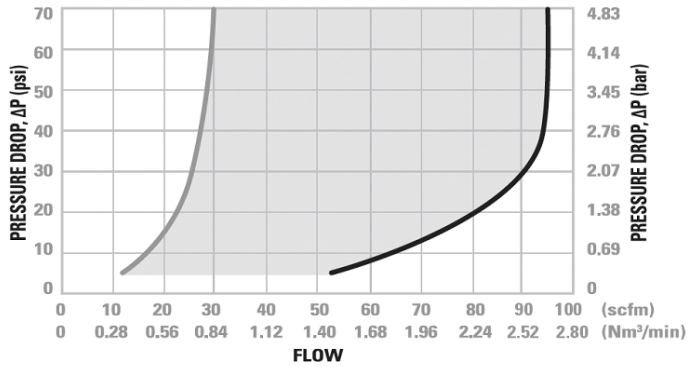


40PP Series Medical Grade Polypropylene Sterilization and Disinfectant Compatibility

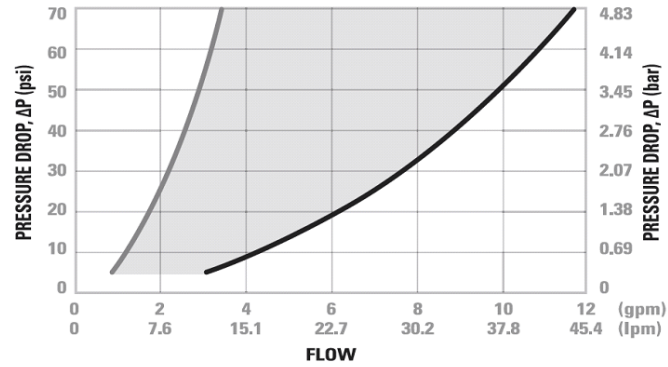
| | | | |
|-----------|-------------------|---------------|----------------------|
| Formalin | Isopropyl Alcohol | Ethyl Alcohol | Ethylene Oxide (EtO) |
| Excellent | Excellent | Excellent | Excellent |

| | | | |
|------------|-----------------|----------------------|-------------------|
| 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

Panel Mount Dimensions

| | PANEL OPENING | MAX PANEL THICKNESS | MIN PANEL THICKNESS |
|---------|---------------|---------------------|---------------------|
| SOCKETS | See Drawing | 0.5" | 0.05" |
| PLUGS | 0.688 | 0.3" | 0.05" |

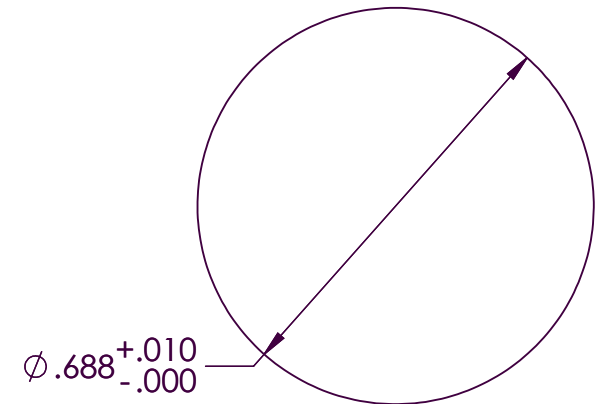
C_v Values for the 40PP-S3-04MALD

Non-Valved Panel Mount Hose Barb Socket Coupling

| Plugs: | 40PPV- | 40PP- | 40PPV- | 40PP- | 40PPV- | 40PPX- |
|----------------|--------|--------|--------|--------|--------|--------|
| | PE2-04 | PE2-04 | PE2-06 | PE2-06 | PE9-06 | PE9-06 |
| 40PP-S3-04MALD | 0.52 | 0.95 | 0.70 | 1.00 | 0.55 | 0.87 |

| Plugs: | 40PPV- | 40PPX- | 40PPV- | 40PP- | 40PPV- | 40PP- |
|----------------|--------|--------|--------|--------|--------|--------|
| | PE1-04 | PE1-04 | PE3-04 | PE3-04 | PE3-06 | PE3-06 |
| 40PP-S3-04MALD | 0.65 | 0.95 | 0.52 | 0.95 | 0.70 | 1.00 |

| PANEL NUT HEX SIZE | PANEL NUT THREAD |
|--------------------|------------------|
| 13/16" | 11/16" - 24UNS |



40PP-S3-04MALD

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