

PROPRIETARY AND CONFIDENTIAL

Description

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3/8" Male NPT Thread, Valved Male Thread Plug Coupling, 3/8" Flow, Food Grade Udel® Polysulfone Body, Terminations and Internal Valve, Stainless Steel Internal Valve Spring, EPDM O-Ring Seals

NAME DATE
DRAWN BY: SCW 13-SEP-2016

PART# REV
60PSV-PE1-06 1

SHEET 1 OF 4

SCALE 2 : 1

DO NOT SCALE DRAWING

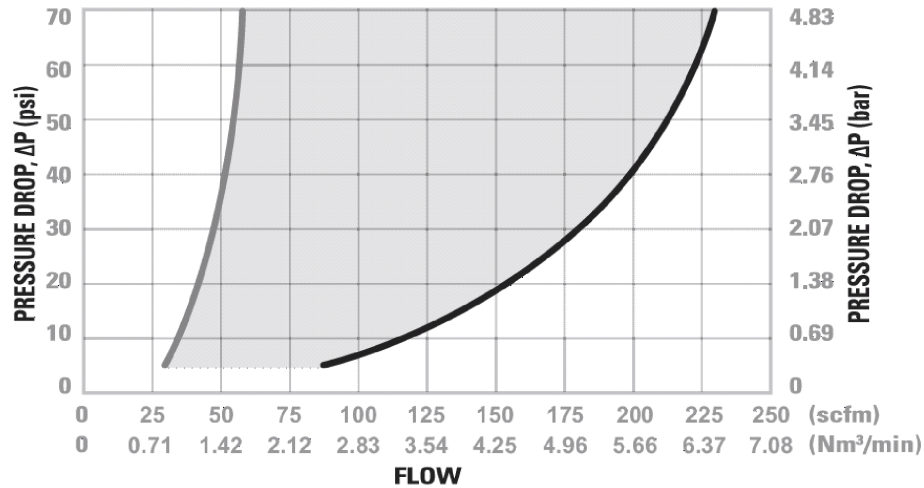


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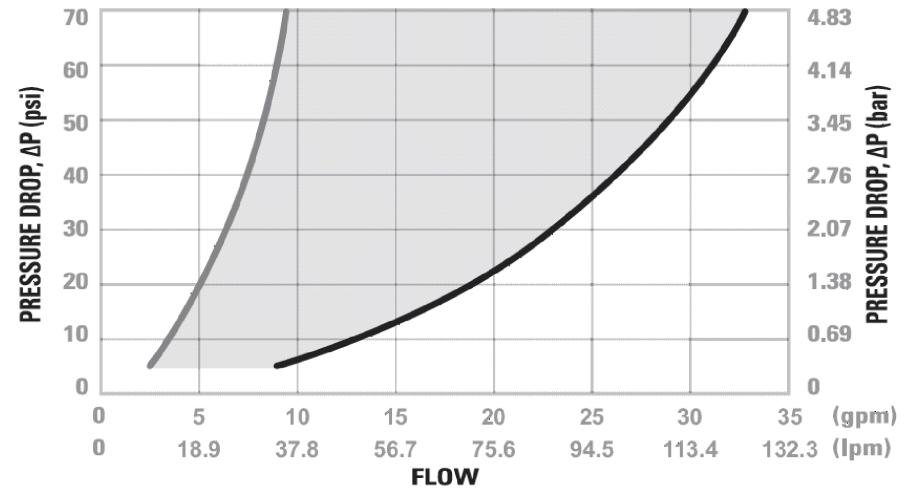
Specifications

Body and Termination Material	Food Grade Udel® Polysulfone
Seal Material Option	Peroxide-cured EPDM O-ring Seals
Internal Valve Material	Food Grade Udel® Polysulfone
Internal Valve Spring Material	316 Stainless Steel
Operating Pressure Range	Vacuum to 125 psi (8.6 bar)
Operating Temperature Range	-40° F to 280° F (-40° C to 138° C)
Flow Capacity	3/8" Size
Thread Size	3/8" NPT (American National Standard Taper Pipe Thread)
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>

60PP Series Air Flow



60PP 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 60PSV-PE1-06

Valved Male Thread Plug Coupling

60PSV-PE1-06	60PSV-SE1-06	60PSV-SE1-08	60PSV-SE2-06	60PSV-SE2-08	60PSV-SE2-12	60PSV-SE3-06	60PSV-SE3-08	60PSV-S2-12
1.58	1.54	1.26	1.60	-	1.26	1.60	-	-

60PSV-PE1-06

SHEET 3 OF 4

Sterilization and Disinfectant Compatibility

Material	Formalin	Isopropyl Alcohol (IPA)	Ethyl Alcohol	Ethylene Oxide (EtO)	Autoclave	E-Beam (50 kilorays)	GAMMA 5 (50 kilograys)	Dry Heat (250° F)
Polysulfone	Y	Y	Y	Y	Y	Y	Y	Y

Key: Y = Excellent, Recommended, N = Not Recommended

Sterilization Methods:

Disinfectants: Sterilized coupled or uncoupled at 70°F (20°C)

Ethylene Oxide, EtO: Sterilized coupled or uncoupled, up to 5 repetitions, 4 hours maximum, 100% EtO at 110°F (43°C)

Autoclave: Sterilize uncoupled only, 30 minutes Max, 10 repetitions maximum, 250°F (121°C) maximum

Electron Beam (E-Beam): Sterilize coupled or uncoupled, 50 kilograys maximum cumulative exposure

GAMMA: Sterilize coupled or uncoupled, 50 kilograys maximum cumulative exposure

Dry Heat: Sterilize uncoupled only, 250°F (121°C) 12 hours maximum

60PS Series Temperature

