



GasFlo Products QSL Series Valves provide quarter turn, positive shut off for critical gas/fluid systems. The lever handle design allows for visual open/closed indication and quick acting cycling. This springless diaphragm valve offers superior leak integrity for Specialty Gas, Chemical, Instrumentation, Semiconductor, Medical and general purpose applications with pressure ranges from vacuum to 3500 psig.

FEATURES

- BAR STOCK CONSTRUCTION
- QUARTER TURN LEVER HANDLE
- SPRINGLESS DESIGN
- METAL DIAPHRAGM SEALED
- POSITIVE SHUT-OFF
- QUICK ACTING OPEN TO CLOSE
- LOW INTERNAL VOLUME
- HIGH CYCLE LIFE
- LEAK TEST PORT
- ULTRASONICALLY DI CLEANED
- 100% HELIUM LEAK TESTED
- STANDARD BOTTOM MOUNT DESIGN
- AVAILABLE WITH PANEL MOUNT OPTION
- AVAILABLE WITH ELECTROPOLISHED ID SURFACE ON REQUEST
- CUSTOM MATERIALS AND CONFIGURATIONS AVAILABLE ON REQUEST

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
BRASS, NICKEL PLATED BRASS, 316L STAINLESS STEEL, MONEL® R405, OR ALUMINUM SILICON BRONZE
- **SEAT OPTIONS:**
PCTFE OR POLYIMIDE
- **WETTED DIAPHRAGM:**
316L STAINLESS STEEL
- **BONNET NUT:**
303 STAINLESS STEEL
- **STEM:**
416 STAINLESS STEEL
- **HANDLE:**
CLEAR ANODIZED ALUMINUM
CUSTOM COLORS AVAILABLE ON REQUEST
- **LABEL:**
VINYL/MYLAR

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APPLICATIONS

- GAS/FLUID CONTROL PANELS
- MANIFOLD SYSTEMS
- SAMPLING SYSTEMS
- GAS ANALYZERS
- VALVE MANIFOLD BOXES
- GENERAL SHUT-OFF

END CONNECTION OPTIONS

- 1/4" MALE AND 1/4" FEMALE PIPE THREAD
- 1/4" COMPRESSION
- 1/4" AND 3/8" TUBE SOCKET WELD
- 1/4" PIPE SOCKET WELD
- 1/4 MALE AND 1/4 FEMALE FACE SEAL
- 1/4" AND 3/8" ORBITAL TUBE WELD
- CUSTOM CONNECTIONS

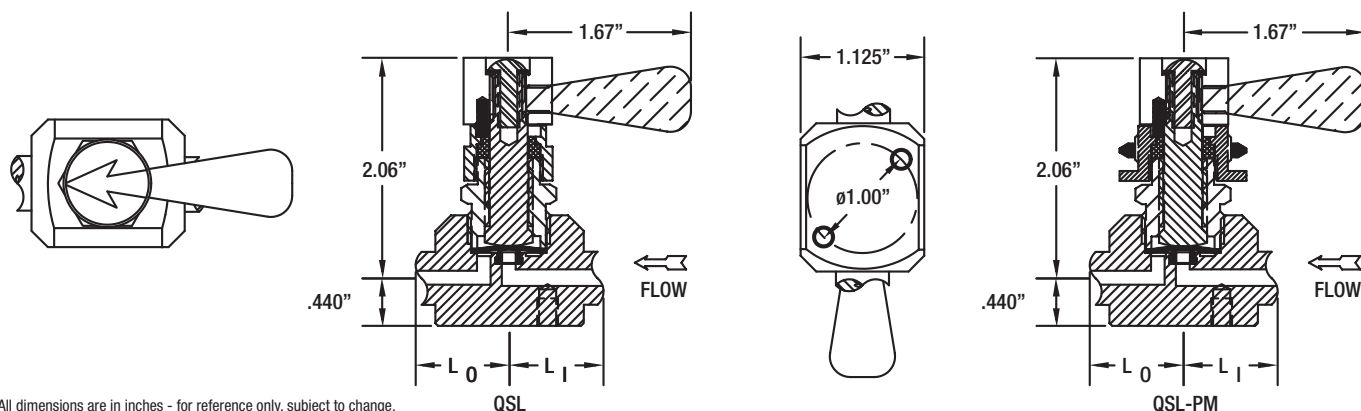
**MADE IN
USA**

19 Industrial Road, Fairfield, NJ 07004 Phone: 973-276-9011 Fax: 973-276-9014 www.gasflo.com

VLV-QSL-2005

Member Compressed Gas Association

DIMENSIONAL INFORMATION



All dimensions are in inches - for reference only, subject to change.

SPECIFICATIONS

PRESSURE RATING: 3500 PSIG

FLOW COEFFICIENT $C_v = .13$

SEAT ORIFICE SIZE: $\emptyset .125"$

STANDARD SEAT MATERIAL: PCTFE

TEMPERATURE LIMITS: -65°F TO 150°F

MAX. ALLOWABLE SEAT LEAKAGE: 2×10^{-8} ATM CC/SEC He

MAX. INBOARD LEAKAGE: 2×10^{-8} ATM CC/SEC He

WETTED DIAPHRAGM: 316L SST

STANDARD BOTTOM MOUNT: $2 \times \#10-32$ TAPPED HOLES

OPTIONAL PANEL MOUNT: PANEL HOLE SIZE: $57/64"$

ORDERING INFORMATION

TYPICAL PART NUMBER

VLV	-	QSL	-	4	4	SS	-	TS	TS	-	PM
PRODUCT FAMILY		SERIES		INLET PORT SIZE		OUTLET PORT SIZE		MATERIAL		OPTIONAL FEATURES	
VALVES		QSL		4 = 1/4" 6 = 3/8"		4 = 1/4" 6 = 3/8"		ASB = ALUMINUM SILICON BRONZE BR = BRASS CH = NICKEL PLATED BRASS MO = MONEL® SS = STAINLESS STEEL 316L		<ul style="list-style-type: none"> - CP = CONSTANT PURGE - PI = POLYIMIDE SEAT - PM = PANEL MOUNT 	
										OUTLET CONNECTION	
										C = COMPRESSION ($L_0 = .91"$) F = FEMALE NPT ($L_0 = 1.01"$) FFS = FEMALE FACE SEAL ($L_0 = 1.48"$) M = MALE NPT ($L_0 = 1.36"$) MFS = MALE FACE SEAL ($L_0 = 1.15"$) P = PIPE SOCKET WELD ($L_0 = 1.01"$) SW = TUBE SOCKET WELD ($L_0 = 1.18"$) TS = ORBITAL TUBE WELD ($L_0 = .88"$)	
										INLET CONNECTION	
										C = COMPRESSION ($L_1 = .91"$) F = FEMALE ($L_1 = 1.01"$) FFS = FEMALE FACE SEAL ($L_1 = 1.48"$) M = MALE NPT ($L_1 = 1.36"$) MFS = MALE FACE SEAL ($L_1 = 1.15"$) P = PIPE SOCKET WELD ($L_1 = 1.01"$) SW = TUBE SOCKET WELD ($L_1 = 1.18"$) TS = ORBITAL TUBE WELD ($L_1 = .88"$)	

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3 PORT, 4 PORT AND CUSTOM CONFIGURATIONS ARE AVAILABLE ON REQUEST. ALSO AVAILABLE WITH PNEUMATIC OPERATOR, SEE LPSL SERIES.

Minimum order quantities may be required. Some inlet/outlet combinations may not be available.

VALVE, FITTING OR OTHER COMPONENT FUNCTION, PROPER INSTALLATION, MATERIALS COMPATIBILITY, ADEQUATE RATINGS, OPERATION AND MAINTENANCE ARE THE RESPONSIBILITY OF THE SYSTEM DESIGNER AND USER.



PRODUCT FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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