

GasFlo Products LB Series Lecture Bottle Valves provide a positive shut off for Lecture Bottle Cylinders and other small gas cylinder applications. This economical spring type, diaphragm, forged body valve offers superior leak integrity and precision machined NGT and UNF inlet threads. Cleaned for O₂ service, GFP LB Series Valves are the perfect choice for all specialty and medical gas packages.

FEATURES

- FORGED BODY CONSTRUCTION
- SPRING TYPE DESIGN
- ROUND HANDLE MANUAL ANGLE PATTERN
- METAL DIAPHRAGM SEALED
- POSITIVE SHUT-OFF
- HIGH CYCLE LIFE
- CLEANED FOR OXYGEN SERVICE
- 100% HELIUM LEAK TESTED
- CUSTOM MATERIALS AND CONFIGURATIONS AVAILABLE ON REQUEST

MATERIALS OF CONSTRUCTION

- **BODY OPTIONS:**
ALUMINUM, ALUMINUM SILICONE BRONZE, BRASS, NICKEL PLATED BRASS OR 316L STAINLESS STEEL
- **SEAT OPTIONS:**
PTFE OR POLYIMIDE
- **WETTED DIAPHRAGM:**
316L STAINLESS STEEL
- **SPRING:**
316L STAINLESS STEEL
- **LOWER STEM:**
316L STAINLESS STEEL
- **BONNET:**
BRASS, NICKEL PLATED BRASS OR 303 STAINLESS STEEL
- **UPPER STEM:**
416 STAINLESS STEEL
- **HANDLE:**
ABS PLASTIC
- **LABEL:**
VINYL/MYLAR

APPLICATIONS

- LECTURE BOTTLES
- SAMPLE CYLINDERS

END CONNECTION OPTIONS

INLET OPTIONS:

- 3/8" - 18 NGT MALE
- 5/8" - 18 UNF MALE
- CUSTOM CONNECTIONS

OUTLET OPTIONS:

- CGA 165 MALE
- CGA 170 MALE/110 FEMALE
- CGA 180 MALE/110 FEMALE
- CUSTOM CONNECTIONS



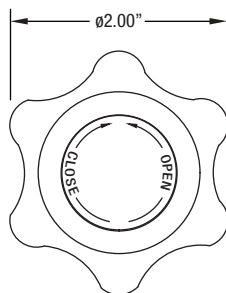
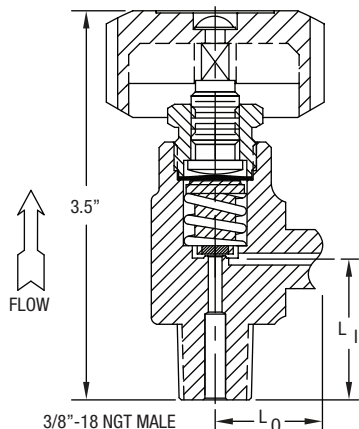
MADE IN USA

40 Green Pond Road, Rockaway, NJ 07866 Phone: 973-276-9011 Fax: 973-276-9014 www.gasflo.com

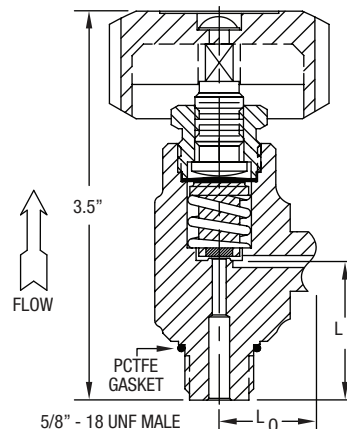
VLV-LB-2014 Rev. A

Member Compressed Gas Association

DIMENSIONAL INFORMATION



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



SPECIFICATIONS

PRESSURE RATING CGA 165: 500 PSIG
PRESSURE RATING CGA 170/110: 3000 PSIG
PRESSURE RATING CGA 180/110: 3000 PSIG
FLOW COEFFICIENT $C_v = .26$

SEAT ORIFICE SIZE: $\phi .125"$
STANDARD SEAT MATERIAL: PTFE
TEMPERATURE LIMITS PCTFE SEAT: -65°F TO 150°F
TEMPERATURE LIMITS OPTIONAL POLYIMIDE SEAT: -65°F TO 250°F

MAX. ALLOWABLE SEAT LEAKAGE: 2×10^{-8} ATM CC/SEC
MAX. INBOARD LEAKAGE: 2×10^{-8} ATM CC/SEC
WETTED DIAPHRAGM: 316L SST

ORDERING INFORMATION

TYPICAL PART NUMBER

VLV	-	LB	-	6	-	180	-	SS	-	M	-	M	-	PM
PRODUCT FAMILY VALVES												OPTIONAL FEATURES PI = POLYIMIDE SEAT		
SERIES LB														
INLET PORT SIZE 6 = 3/8"-18 NGT MALE 10 = 5/8"-18 UNF MALE												OUTLET CONNECTION M = MALE CGA 165 ($L_0 = 1.14"$) M = MALE CGA 170 WITH CGA 110 FEMALE ($L_0 = 1.18"$) M = MALE CGA 180 WITH CGA 110 FEMALE ($L_0 = 1.20"$)		
OUTLET PORT SIZE CGA 165 MALE CGA 170 MALE/110 FEMALE CGA 180 MALE/110 FEMALE												INLET CONNECTION M = MALE 3/8"-18 NGT ($L_1 = 1.28"$) M = MALE 5/8"-18 UNF ($L_1 = 1.25"$)		
MATERIAL AL = ALUMINUM ASB = ALUMINUM SILICON BRONZE BR = BRASS CH = NICKEL PLATED BRASS SS = STAINLESS STEEL 316L														

REPAIR KIT PN'S: RK-77102

CUSTOM CONFIGURATIONS ARE AVAILABLE ON REQUEST.

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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