



LGV-Series Globe Valves

For IPS, DPS & DIN Plastic Pipe



LGV-SB SERIES (SPIGOT X BELL)			
MODEL	INLET	OUTLET	SHROUD
LGV-200SB	2" IPS	2" IPS	3" IPS
LGV-250SB	2.5" IPS	2.5" IPS	4" IPS
LGV-300SB	3" IPS	3" IPS	4" IPS
LGV-3490	3" IPS	4" IPS	4" IPS
LGV-263SB	2" IPS	63MM DIN	3" IPS
LGV-390SB	90MM DIN	90MM DIN	4" IPS
LGV-9011SB	90MM DIN	110MM DIN	4" IPS



LGV-BB SERIES (BELL X BELL)			
MODEL	INLET	OUTLET	SHROUD
LGV-200BB	2" IPS	2" IPS	3" IPS
LGV-250BB	2.5" IPS	2.5" IPS	4" IPS
LGV-300BB	3" IPS	3" IPS	4" IPS
LGV-400BB	4" IPS	4" IPS	4" IPS
LGV-66BB	63MM DIN	63MM DIN	3" IPS
LGV-99BB	90MM DIN	90MM DIN	4" IPS
LGV-1111BB	110MM DIN	110MM DIN	4" IPS

Leemco has a large variety of Globe Valve Accessories...
Please refer to our IPS and DIN Price Lists for available Models and Sizes.

Quality Construction and Innovative Design...



LGV-SB Valve installed into a tee

LGV-SB Series Valves...

The Spigot x Bell version is designed for the spigot end to insert into a Leemco gasket tee as shown in picture. The valve links restrain to the ears on the gasket tee for a secure connection. The valve gasket bell end has self-restrained clamps that fasten to plastic pipe. All connections are mechanically held and there is no need for thrust blocks. Installation is quick and reliable which saves valuable time and labor.



LGV-SB Valve installed into a L90 Adapter

Changes in mainline depths are easily made by using L90 and L180 spigot x bell adapters. They also provide true 360 degree rotation for easy valve alignment. Compared to conventional threaded gate or ball valves, Leemco LGV-Series valves do not use threaded PVC or galvanized nipples. Stackable 6" and 12" extensions can be used to elevate the valve to a desired height.

LGV-BB Series Valves...

The Bell x Bell version provides in-line isolation where the location is not near a mainline ductile iron fitting. Both bell ends have the proprietary Leemco self-restrained clamps that securely fasten the pipe to the valve.



Quality Valve Mechanism...

Entire valve mechanism is made of 100% stainless steel and is completely top serviceable. Low rising stainless steel stem has machined fine threads and a lifetime lubricated O-ring seal, to enable finger actuation against high pressures. Resilient BUNA-N rubber valve disc is made of high grade EPDM rubber for drip tight shut-off.

Deep Bell, Self-Restrained Valve Outlet...

The deep bell, self-restrained, gasket outlet has blunt cast serrations which are specifically designed not to damage the plastic pipe surface. The Leemco gasket is made of high grade EPDM rubber and has the unique "U-CUP" Design. Gasket ribbed segments assure compression against side walls to seal under low and high pressures.

Top Valve Shroud and Tapped Side Outlet...

Slotted skirt atop the valve is designed for IPS sleeve to protect cross top from dirt and debris. The 1" Tapped side outlet can be used for a quick coupling valve connection.

Durable Ductile Iron Body...

Valve body and outlet clamp are made of durable ductile iron and have a fused epoxy finish inside and out to withstand corrosive soils and acidic water created by chemical injector and sulfur burner systems.



LGV-BB Series Valve

LGV Valve Accessories... (Refer to our IPS and DIN Price Lists for available Models & Sizes)



L90 & DL90 Adapters

- L90-31SB... 3" IPS Spigot x 2" Bell Outlet
- L90-32SB... 3" IPS Spigot x 2.5" Bell Outlet
- L90-33SB... 3" IPS Spigot x 3" Bell Outlet
- DL90-32SB... 75MM DIN Spigot x 75MM Bell Outlet
- DL90-33SB... 90MM DIN Spigot x 90MM Bell Outlet



L90 & DL90 Adapters

- L90-31SB... 3" IPS Spigot x 2" Bell Outlet
- L90-32SB... 3" IPS Spigot x 2.5" Bell Outlet
- L90-33SB... 3" IPS Spigot x 3" Bell Outlet
- DL90-32SB... 75MM DIN Spigot x 75MM Bell Outlet
- DL90-33SB... 90MM DIN Spigot x 90MM Bell Outlet



Extensions

- LX3-6... 6" High
- LX3-12... 12" High



LMN-Series Outlet Adapters

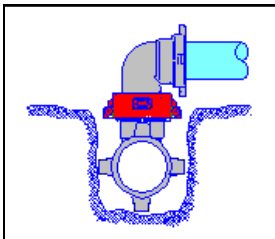
Designed to thread into a control valve while the spigot end inserts into the LGV valve outlet. LMN adapters come in a variety of models and sizes. Please refer to Price List.



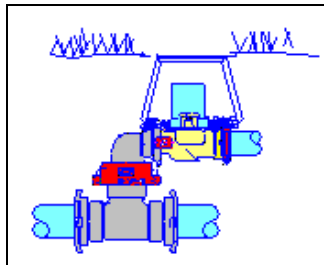
RF-43SB Outlet Adapter

3" Spigot x 4" Self-Restrained Bell Outlet is designed for insertion into LGV-300 Series Valves to increase the valve outlet to 4" IPS. The adapter is mechanically held in place by the LGV valve clamp.

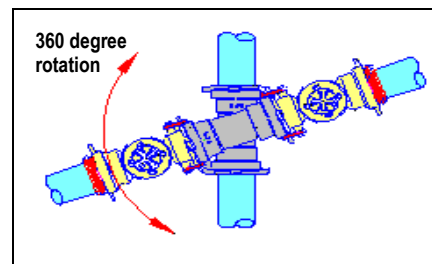
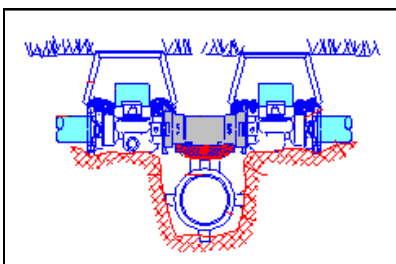
Applications... (Please refer to our website for many more details)



L90 Adapter installed into Leemco tee. L90 can rotate 360 degrees to desired



L90 Adapter installed into Leemco tee, LGV-SB Valve installed into L90. Valve can rotate 360 degrees to desired position.



L180 Adapter Tee installed into Leemco tee, (2) LGV-SB Valves installed into L180 Adapter Tee. Valves can rotate 360 degrees to desired position.

LGV Valve Parts... (Refer to our IPS and DIN Price Lists for available Models & Sizes)



LVC Cover

LVC-200... For LGV-200 Models
 LVC-300... For LGV-250 & LGV-300 Models
 LVO-200... 2" Cover O-Ring
 LVO-300... 3" Cover O-Ring



LGV-Companion Clamp

C-360-3... 3" Clamp and hardware
 for L90 & L180 Adapters



LV-Companion Outlet Clamp

C-200C... 2" outlet clamp for LGV-200 Models
 C-250C... 2.5" outlet clamp for LGV-250 Models
 C-300C... 3" outlet clamp for LGV-300 Models
 HC-200... 2" double clamp for HDPE outlet
 HC-300... 3" double clamp for HDPE outlet



LGV-Link

SB-LK1... For LGV-200 & LGV-250 Models
 SB-LK2... For LGV-300 Models

FLOW LOSS CHART																
SIZES		GPM →	20	30	40	50	60	80	100	120	140	160	180	200	250	300
2" or 63MM	PSI Loss		0.7	0.8	1.4	2.1	3.0	5.1	7.7	10.7	14.3	18.3	22.7			
2.5"	PSI Loss					1.1	1.5	2.5	3.8	5.4	7.2	9.2	11.4	13.9		
3" or 90MM	PSI Loss						0.7	1.1	2.0	2.7	3.5	4.4	5.5	6.6	9.7	14.7

VALVE BODY: **Class 350 Ductile Iron per ASTM A-536, Grade 65-45-12, AWWA C153**
VALVE MECHANISM: **304 Stainless Steel**
PRESSURE RATING: **350 PSI**
EPOXY COATING: **ANSI/AWWA C116/A21.16-09, NSF 61 & CSA Z245.20-98, 10-12 MIL**
HARDWARE: **304 Stainless Steel, Optional 316 Stainless Steel**
GASKETS: **High grade EPDM rubber ANSI/AWWA C111/A21.11, Rib-Enforced design**
INSTALLATION: **Per IPS & DIN Pipe Standards**

Specification:

Lateral to mainline connection shall be made with ductile iron, resilient seated globe valve. Valve body and restraint clamps shall be constructed of ductile iron per ASTM A-536, Grade 65-45-12. Epoxy coating on all interior and exterior surfaces shall be fusion bonded epoxy, 10-12 mil thickness. Valve mechanism and hardware shall be made of 100% 304-series stainless steel. The valve stem shall be fine threaded stainless steel, O-Ring sealed for ease of operation. Valve connection to the mainline fitting shall be spigot x bell, mechanically attached and swivel about the base 360 degrees to allow positioning of valve outlet to any desired direction. Valve outlet shall be deep bell, gasket and equipped with integrally cast joint restraint clamps to securely fasten pipe to the valve. Restraint shall have blunt cast serrations. Machined threaded restraints will not be allowed. Riser extensions shall be stackable. Valve shall have a shroud around the valve stem to accept IPS PVC sleeve. All lateral to mainline transitions shall be as manufactured by Leemco, Inc., U.S.A.



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