



LV-Series Angle Valves For IPS, DPS & DIN Plastic Pipe



LV-200

9" Height
2" Spigot Inlet
2" IPS Outlet
3" Valve Shroud
.8 PSI loss @ 50 GPM



LV-212 & LV-263

12" Height
2" Spigot Inlet
2" IPS or 63MM Outlet
1" Tapped Side Outlet
3" Valve Shroud
1.1 PSI loss @ 50 GPM



LV-218

18" Height
2" Spigot Inlet
2" IPS or 63MM Outlet
1" Tapped Side Outlet
3" Valve Shroud
1.1 PSI loss @ 50 GPM



LV-220

9" Height
2" IPS Self-Restrained Inlet
2" FPT Outlet
3" Valve Shroud
.8 PSI loss @ 50 GPM



LV-250

12" Height
2" Spigot Inlet
2.5" IPS Outlet
1" Tapped Side Outlet
4" Valve Shroud
1.3 PSI loss @ 80 GPM



LV-300 & LV-290

12" Height
2" Spigot Inlet
3" IPS or 90MM Outlet
1" Tapped Side Outlet
4" Valve Shroud
1.2 PSI loss @ 120 GPM

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

Quality Construction and Innovative Design...



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 help protect against corrosive soils and acidic water created by chemical injector and sulfur burner systems.

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. Tap is not available on the LV-200 and LV-220 models.

True 360-degree Rotation...

Bayonet-style (twist-lock-swivel) valve attachment allows a true 360 degree rotation. Compared to conventional threaded gate or ball valves, Leemco Lateral Valves insert into a Leemco lateral tee or lateral saddle outlet without the use of threaded PVC or galvanized nipples.

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 a unique "U-CUP" Design. Gasket ribbed segments assure compression against side walls to seal under low and high pressures.



Replace older valves quick and easy...

The LV-220 valve is ideal for replacing older non-working threaded gate or ball valves. Simply insert the bottom gasket inlet over any 2" beveled IPS PVC nipple or pipe and rotate the valve 360 degrees to the desired position. Tighten the bolts on the bottom self-restrained clamps and install a 2" PVC TOE nipple into the FPT outlet. This valve is also ideal for new construction projects.

Please refer to our Lateral Valve Installation Guide for step by step installation instructions @ www.leemco.com

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



Lateral Valve spigot inlet inserts into the lateral tee or lateral saddle outlet. Valve can rotate 360 degrees to desired position. If the valve alignment remains in the original installed position, two LV-Clips are needed to secure the valve in place. LV-Clips are sold separately. Please refer to our Lateral Valve Installation Guide for more information.



Lateral Tee

LT-Series... 2" - 12" IPS Sizes
DLT-Series... 90 - 315MM DIN Sizes



Lateral Single SS Strap Saddle

RSLs-Series... 3" - 12" IPS Sizes
RSLs-Series... 90 - 315MM DIN Sizes
(single stainless steel strap)



Lateral Double SS Strap Saddle

RDLS-Series... 3" - 12" IPS Sizes
RDLS-Series... 90 - 315MM DIN Sizes
(double stainless steel strap)



Lateral Single Ductile Strap Saddle

LTS-Series... 3" - 12" IPS Sizes
DLS-Series... 90 - 315MM DIN Sizes
(Single ductile strap - 1 bolt hinged)



Lateral Double Ductile Strap Saddle

LTDS-Series... 4" - 12" IPS Sizes
(double ductile strap - 2 bolt hinged)



Extensions

LX-6... 6" Height
LX-12... 12" Height
LX-24... 24" Height



Inlet Adapters

LMA-200... 2" MPT x Bell
FMA-200... 2" FPT x Bell
DLMA-6... 63MM x Bell

Inlet Adapters

LMA-200 is ideal for retrofit projects where existing service tees or saddles can be utilized and converted to a lateral outlet. FMA-200 is designed for applications where the mainline is deep and requires a long length of threaded galvanized pipe. Please refer to Price List.



LR90-Series Outlet Adapters

Designed to insert into the lateral valve outlet. LR90 adapters come in a variety of models and sizes. Please refer to Price List.



LMN-Series Outlet Adapters

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

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



LVC Cover

LVC-200... For LV-200, 220, 212 & 218 Models
 LVC-300... For LV-250 & 300 Models
 LVO-200... 2" Cover O-Ring
 LVO-300... 3" Cover O-ring



LV-Clip

If the valve alignment remains in the original installed position, two LV-Clips are needed to secure the valve in place. LV-Clips slide between the lugs of the lateral outlet to prevent the valve from dislodging. LV-Clips are sold separately. Please refer to our Lateral Valve Installation Guide for more information.



LV-Companion Clamp

C-200C... 2" outlet clamp for LV-200, 212 & 218 Models
 C-250C... 2.5" outlet clamp for LV-250 Models
 C-300C... 3" outlet clamp for LV-300 Models
 HC-200... 2" double clamp for LV-220 inlet or HDPE outlet
 HC-300... 3" double clamp for HDPE outlet

C-Series Clamp

HC-Series Clamp

FLOW LOSS CHART

MODEL		GPM →	20	30	40	50	60	80	100	120	140	160	180	200	250	300
LV-200 & LV-220	PSI Loss		0.1	0.3	0.5	0.8	1.2	2.1	3.3	4.8	6.5	8.5				
LV-212 & LV-218	PSI Loss		0.3	0.4	0.7	1.1	1.5	2.5	3.8	5.4	7.1	9.1	11.4			
LV-250	PSI Loss		0.1	0.2	0.4	0.6	0.8	1.3	2.0	2.7	3.6	4.7	5.8	7.0		
LV-300	PSI Loss		0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.2	1.6	2.0	2.5	3.0	6.4	10.8

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, DPS & DIN Pipe Standards**

Specification:

Lateral to mainline connection shall be made with ductile iron, resilient seated angle 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 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. Swivel style 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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