



OPERATION, MAINTENANCE &  
INSTALLATION INSTRUCTIONS

**LANSDALE GROOVED SWING CHECK VALVE**

**MODEL LVCVGG**

LANSDALE VALVE & MANUFACTURING  
1040 Broadway  
Westville NJ 08093

# GROOVED SWING CHECK VALVE INSTALLATION INSTRUCTIONS

## MODEL LVCVGG

### FEATURES

- Grooved end connections
- Compact, lightweight design
- Non-slamming, spring loaded clapper to minimize water hammer
- Approved for horizontal and vertical installation
- Body design provides low friction loss



**Note:** Lansdale Check Valves may be damaged by excessively turbulent water flow. They should be installed a reasonable distance from pipe transitions, such as pumps, elbows, expanders, reducers, or similar devices. Typical piping practices suggest a minimum distance of five times the pipe diameter for general use.

### DESCRIPTION

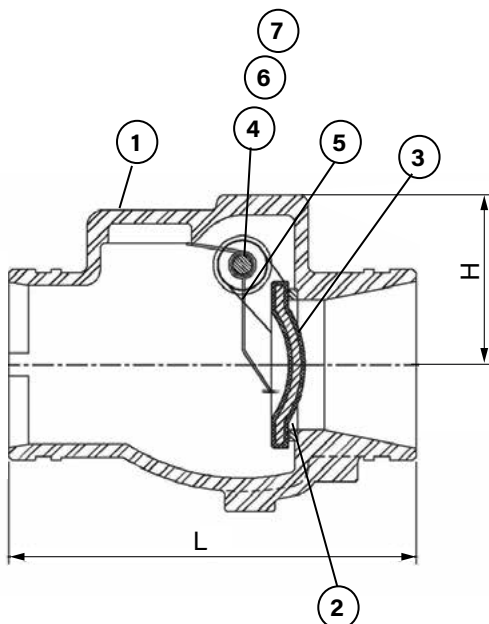
Lansdale Swing Check Valves are check valves approved for use in fire protection systems. Typical applications include connections between public water supplies and private fire systems, at the discharge from fire pumps, at gravity tank connections and at fire department pumper connections. Check Valves are provided with ½" NPT supply side and discharge side connections. Grooved end connections provide fast and easy installation using listed grooved couplings. Rigid style grooved couplings can be used for positive clamping to resist flexural and torsional loads.

### INSTALLATION

The Lansdale Check Valve shall be installed in accordance with NFPA 13, "Standard for the Installation of Sprinkler Systems," as well as the requirements of any AHJ. When installed vertically, the direction of flow shall be up through the valve (install with flow arrow pointed up). For horizontal installations, the hinge pin must be located to the top and in the direction of flow. Do not apply lubricants, sealants, or other chemicals to the clapper seal or seat.

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### MATERIAL SPECIFICATION

PART NUMBER	PART	MATERIAL	ASTM SPECIFICATION
1	Body	Ductile Iron	A536 Grade 65-45-12
2	Body Seat Ring	Bronze	B62 C83600
3	Disc	Ductile Iron	A536 Grade 65-45-12
4	Hinge Pin	Stainless Steel	A276 Grade 304
5	Spring	Stainless Steel	A276 Grade 302
6	Hinge Pin Plug	Malleable Iron	A47 Grade 22010
7	Plug Sealing	Rubber	D2000 EPDM

### DIMENSIONS

SIZE (IN)	1-1/4	1-1/2	2	2.5	3	4	5	6	8	10	12
L	6.3	6.3	7.5	8.0	8.38	9.65	10.5	11.5	14.0	17.0	19.5
H	2.5	2.5	2.5	3.0	3.5	4.0	4.5	5.5	6.5	8.0	8.5

## MAINTENANCE

The owner is responsible for maintaining the fire protection system in proper operating condition. Any system maintenance or testing that involves placing a system out of service may eliminate the fire protection that is provided by the fire protection system. Notify any required authorities having jurisdiction and implement appropriate precautions prior to proceeding.

The Lansdale Check Valve shall be given a thorough inspection and test as per the local AHJ and NFPA 13 and 25. Inspect the interior of the valve and all components for corrosion, damage, and wear at least every five (5) years. Replace any components found to be corroded, damaged, or worn. Increase the frequency of inspections when the valve is exposed to corrosive conditions or chemicals that could impact the valve materials.