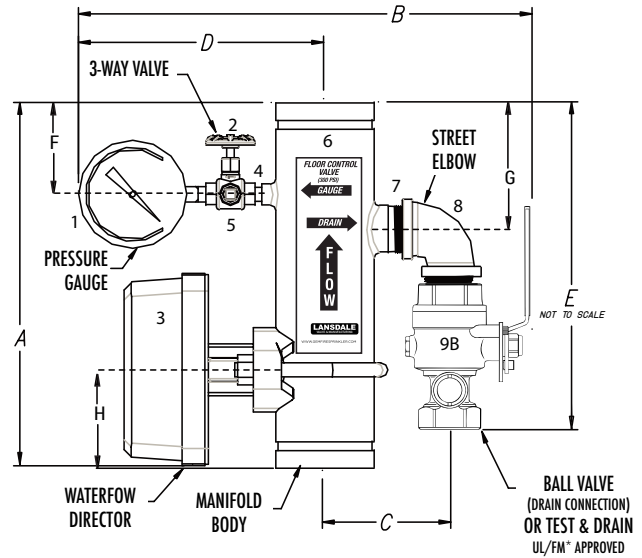


COMMERCIAL RISER ASSEMBLY

LVCRBV - with BALL VALVE

LVCRTD - with TEST & DRAIN



BODY SIZE	2"	2½"	3"	4"	5"	6"
BALL VALVE SIZE Model LVCRBV	1"	1¼"	1¼"	2"	2"	2"
TEST & DRAIN SIZE Model LVCRTD	1"	1¼"	1¼"	2"	2"	2"

NOMINAL SIZE	2"	2.5"	3"	4"	5"	6"
A	13"	13"	13"	13"	13"	13"
B (BALL VALVE)	13"	13¾"	15 ¾"	19½"	20 5/8"	20"
B (TEST & DRAIN)	13½"	14¼"	16¼"	19"	20 1/8"	20 ¾"
C	5¼"	5"	5½"	7"	7½"	8¼"
D	9¼"	9½"	9½"	10 3/8"	10 7/8"	11"
E (BALL VALVE)	5 5/8"	7 1/8"	9 7/8"	12 1/8"	13½"	13½"
E (TEST & DRAIN)	10"	10¼"	12 ¼"	14¾"	14 ½"	14 ½"
F	3½"	3½"	3½"	3½"	3½"	3½"
G	4½"	4½"	4½"	4½"	4½"	4½"
H	3½"	3½"	3½"	3½"	3½"	3½"

****NOTE:** All tolerances (with exception of the grooves) plus or minus ¼ of an inch. All welds to be ¼" fillet surface prep of body-SSPC-SP-7 finished with 2.5 mils Bengal Red TGIC/Acrylic epoxy powder coat, electro statically applied.

****NOTE:** Standard Test & Drain orifice 5.6K, Optional orifice's available upon request: 4.2K, 14.0K, 25.2K

NO.	DESCRIPTION	QTY.
1	Lansdale Air/Water 3½" Dia. 0-300 PSI with/stainless steel case UL/FM Approved	1
2	¼" 3-Way Valve	1
3	Water Flow Switch with retard UL/FM Approved	1
4	¼ x 2 Black Nipple	1
5	¼ Black CI Plug	1
6	Commercial Riser Body Sch 40 A53 steel pipe	1
7	Black Nipple_x close	1
8	Galvanized Street Elbow 90°	1
9A	Ball Valve 300 PSI, 600 WOG UL/FM Approved	1
9B	Lansdale Valve & Manufacturing or equal Test & Drain UL/FM Approved	1

PROJECT	APPROVAL STAMP
PROJECT:	<input type="checkbox"/> APPROVED
ADDRESS:	<input type="checkbox"/> APPROVED AS NOTED
ENGINEER:	<input type="checkbox"/> NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	



OPERATION, MAINTENANCE &
INSTALLATION INSTRUCTIONS
COMMERCIAL RISER ASSEMBLY

MODEL LVCRBV - with Ball valve
MODEL LVCRTD - with test & drain

COMMERCIAL RISER ASSEMBLY

*LVCRBV - with BALL VALVE**LVCRTD - with TEST & DRAIN*

INSTALLATION

The Lansdale Commercial Riser Assembly shall be installed in accordance with NFP A guidelines as well as local requirements. Vertical installation requires the flow be up through the assembly and for horizontal installation the flow must be in the direction of the “arrow” with the flow switch must be on top with the drain on the bottom.



OPERATION

The operation of the Lansdale Commercial Riser Assembly allows the system to operate under normal conditions (off position), the testing of the system (test), and draining (drain) via the Lansdale, “Test and Drain”. It allows the system pressure to be monitored by way of the gauge and has a built in flow switch to detect water flow thru the system and signal the buildings control room, fire department and local occupants of a possible fire.

MAINTENANCE

The building owner is responsible for maintaining the fire protection system in accordance with NFPA and local fire codes. The Lansdale Commercial Riser must be periodically inspected along with the inspection and testing of the entire system in accordance with NFPA 25 and local fire codes. Any signs of corrosion, leaks, or damage to any parts requires their immediate replacement. The pressure gauge should be replaced as required by NFP A, 5 years after its manufactured date, which is stamped on the back of the gauge.