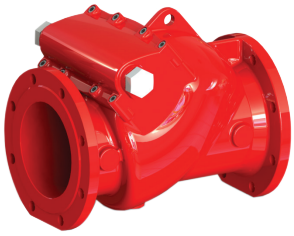
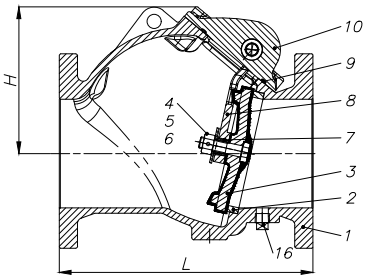
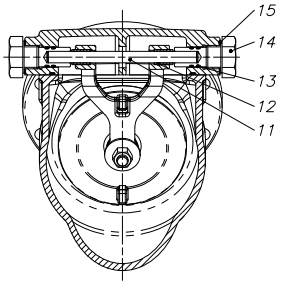
LANSDALE® VALVE
MANUFACTURING CORP.

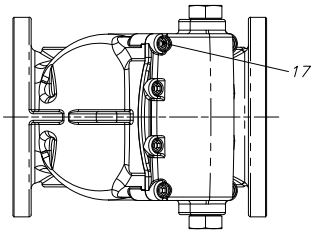
SWING CHECK VALVE, FLANGED ENDS

MODEL LVCFF-2









DESCRIPTION:

The Lansdale Flanged Check Valve (LVCFF-2) is a UL Listed and FM Approved check valve designed specifically for the fire protection industry. It allows flow in one direction and prevents any back flow within the piping, this valve must be installed in the direction of flow as indicated on the body of the valve. This valve has a removable cover plate which will allow the inspection and maintenance of the valve and the removal any debris that may interfere with the valves function without having to remove the valve from service.

FEATURES:

- Size: 2" - 12"
- Max working pressure: 350 PSI
- NSF/ANSI/CAN 61 certified as lead-free for use in drinking water systems
- Temperature range: 33° F to 170° F
- UL/ULC Listed and FM Approved; NFS 61 Certified
- Removable inspection cover
- Corrosion resistant epoxy coating

INSTALLATION:

The Lansdale Flanged Check Valve (LVCFF-2) should be installed using standard industry practice. Inspect the valve to make sure that any packing material is removed and there is no debris in the valve. Make sure the valve is placed between the mating flanges and that all of the flange surfaces are free of any damage. The valve must be installed in the correct direction of flow, as indicated on the body of the valve. When the valve is in place, exercise care as to prevent any damage to the flange faces or gasket. Once the valve is in position hand tighten all of the bolts/studs and then tighten them in a cross pattern sequence, assuring uniform compression of the gasket.

No.	NAME		MATERIAL	ASTM Spec.
1	Body		Ductile Iron	A536 GR. 65-45-12
2	Body Seat		Bronze	B62 C83600
3	Disc		Ductile Iron with EPDM Encapsulated	
4	Connecting Stem		Stainless Steel	A276 TYPE SS316
5	Locking Nut		Stainless Steel	A276 TYPE SS304
6	Washer		Stainless Steel	A276 TYPE SS304
7	Bushing		Stainless Steel	A276 TYPE SS304
8	Hinge	2"- 6"	Stainless Steel	A351 Grade CF8
		8"- 16"	Ductile Iron	A536 Grade 65-45-12
9	Gasket		Rubber	D2000 EPDM
10	Bonnet		Ductile Iron	A536 Grade 65-45-12
11	Hinge Pin		Stainless Steel	A276 TYPE SS304
12	Shaft Bushing		Bronze	B62 C95200
13	O-Ring		Rubber	D2000 NBR
14	Locating Sleeve		Stainless Steel	A276 TYPE SS304
15	Washer		Red Copper	—
16	Plug		Stainless Steel	A276 TYPE SS304
17	Screw		Carbon Steel	A307 Class B

DIMENSIONS (in.)											
Size	2	2.5	3	4	5	6	8	10	12	14	16
L	8.0	8.5	9.5	11.5	13.0	14.0	19.5	24.5	27.5	31.0	36.0
H	4.1	4.4	4.9	6.2	7.7	8.1	10.4	12.0	14.0	15.9	17.6
Plug	3/8	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1	1

Note:

1. **Design meet or exceed the requirements of AWWA C508 standard**
2. **Max. Working Pressure 350 PSI;**
3. **Flanged to ANSI B16.10 Class 125 or ASME B16.42 Class 150 FF**
4. **Fusion Bonded Coated Interior and Exterior**

PROJECT	APPROVAL STAMP
PROJECT:	☐ APPROVED
ADDRESS:	☐ APPROVED AS NOTED
ENGINEER:	☐ NOT APPROVED
SUBMITTAL DATA:	REMARKS:
NOTES 1:	
NOTES 2:	

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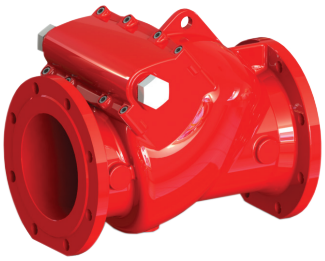
MODEL LVCFF-2



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- Removable inspection cover
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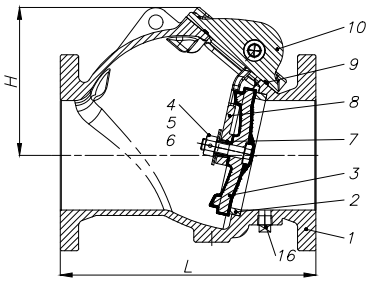

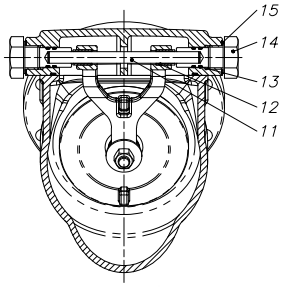

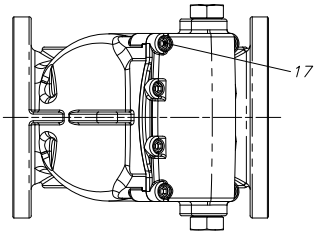

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1	Body		Ductile Iron	A536 GR. 65-45-12
2	Body Seat		Bronze	B62 C83600
3	Disc		Ductile Iron with EPDM Encapsulated	
4	Connecting Stem		Stainless Steel	A276 TYPE SS316
5	Locking Nut		Stainless Steel	A276 TYPE SS304
6	Washer		Stainless Steel	A276 TYPE SS304
7	Bushing		Stainless Steel	A276 TYPE SS304
8	Hinge	2"- 6"	Stainless Steel	A351 Grade CF8
		8"- 16"	Ductile Iron	A536 Grade 65-45-12
9	Gasket		Rubber	D2000 EPDM
10	Bonnet		Ductile Iron	A536 Grade 65-45-12
11	Hinge Pin		Stainless Steel	A276 TYPE SS304
12	Shaft Bushing		Bronze	B62 C95200
13	O-Ring		Rubber	D2000 NBR
14	Locating Sleeve		Stainless Steel	A276 TYPE SS304
15	Washer		Red Copper	
16	Plug		Stainless Steel	A276 TYPE SS304
17	Screw		Carbon Steel	A307 Class B

DIMENSIONS (In.)											
Size (In.)	2	2.5	3	4	5	6	8	10	12	14	16
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www.LansdaleValve.com

Revision: 5/2024

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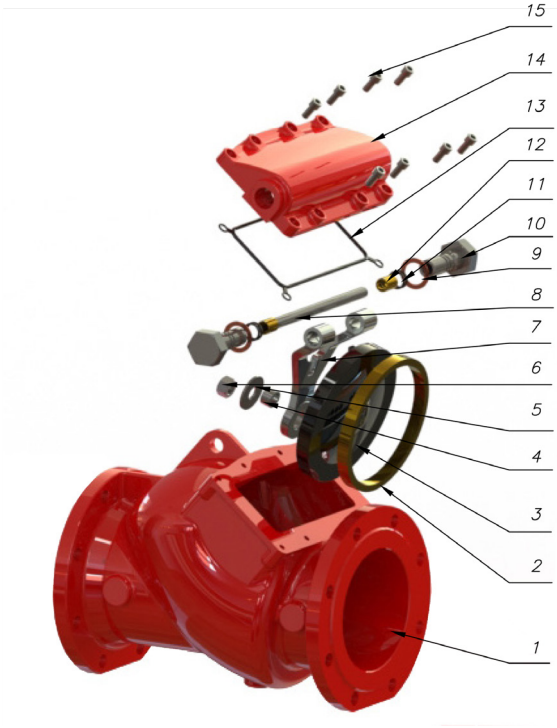

No.	NAME	MATERIAL	ASTM Spec.
1	Body	Ductile Iron	A536 GR. 65-45-12
2	Body Seat	Bronze	B62 C83600
3	Disc	DI with EPDM Encapsulated	
4	Bushing	Stainless Steel	A276 TYPE 304
5	Washer	Stainless Steel	A276 TYPE 304
6	Nut	Stainless Steel	A276 TYPE 304
7	Hinge 2”-6”	Stainless Steel	A351 TYPE CF8
	Hinge 8”-12”	Stainless Steel	DI A536 GR. 65-45-12
8	Hinge Pin	Stainless Steel	A276 TYPE 304
9	Washer	Copper	
10	Plug	Stainless Steel	A276 TYPE 304
11	O-Ring	Rubber	NBR/EPDM
12	Bushing	Bronze	B148 C95200
13	Gasket	Rubber	D2000 EPDM
14	Bonnet	Ductile Iron	A536 GR. 65-45-12
15	Bolt	Carbon Steel	150 898-1

Note: Valve must be installed with the arrow coincident with the flow; in vertical installations arrow and flow must be upwards only; in horizontal installations the inspection cover must be in uppermost position. Valve should be installed a minimum of 5 pipe diameters from any appurtenances in the piping system.

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