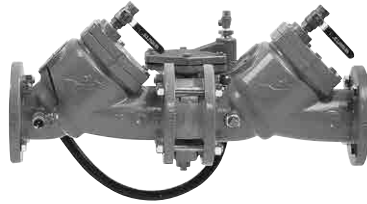


Series LF909

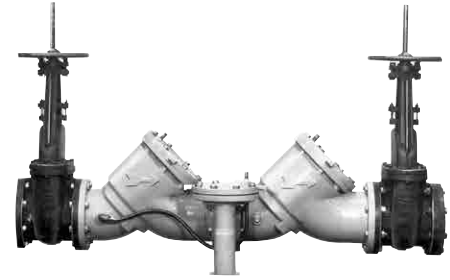
Reduced Pressure Zone Assemblies

Sizes: 2½" – 10" (65 – 250mm)

FOR USE ON
SERVICES WITH A
MASTER METER



LF909



LF909SY

Features

- Replaceable seats
- Stainless steel internal parts
- No special tools required for servicing
- Captured spring check assemblies
- Fused epoxy coated & lined checks
- Industrial strength sensing hose
- Field reversible relief valve
- Air-in/water-out relief valve design provides maximum capacity during emergency conditions

Pressure-Temperature

Temperature Range: 33°F – 110°F
(0.5°C – 43°C) continuous
140°F (60°C) intermittent
Maximum Working Pressure: 175psi
(12.1 bar)

Approvals



Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

LF909

LEAD FREE

Series LF909 Reduced Pressure Zone Assemblies are designed to provide cross-connection control protection of the potable water supply in accordance with national plumbing codes. This series can be utilized in a variety of installations, including health hazard cross-connections in plumbing systems or for containment at the service line entrance. With its exclusive relief valve design incorporating the "air-in/water-out" principle, it provides substantially improved relief valve discharge performance during the emergency conditions of combined backsiphonage and backpressure with both checks fouled. The LF909 features Lead Free* construction to comply with Lead Free* installation requirements.

Materials

- Check Valve Bodies: FDA epoxy coated cast iron
- Seats: Stainless steel
- Trim: Stainless steel
- Relief Valve Body: 2½"-3" Lead Free* cast copper silicon alloy
4"-10" FDA epoxy coated cast iron
- Test Cocks: Lead Free* copper silicon alloy

Models

Suffix:

LF – without shutoff valves

NRS – non-rising stem resilient seated gate valves

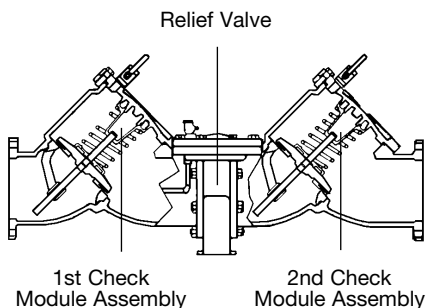
OSY - UL/FM outside stem & yoke resilient seated gate valves

QT-FDA – FDA epoxy coated quarter-turn ball valves

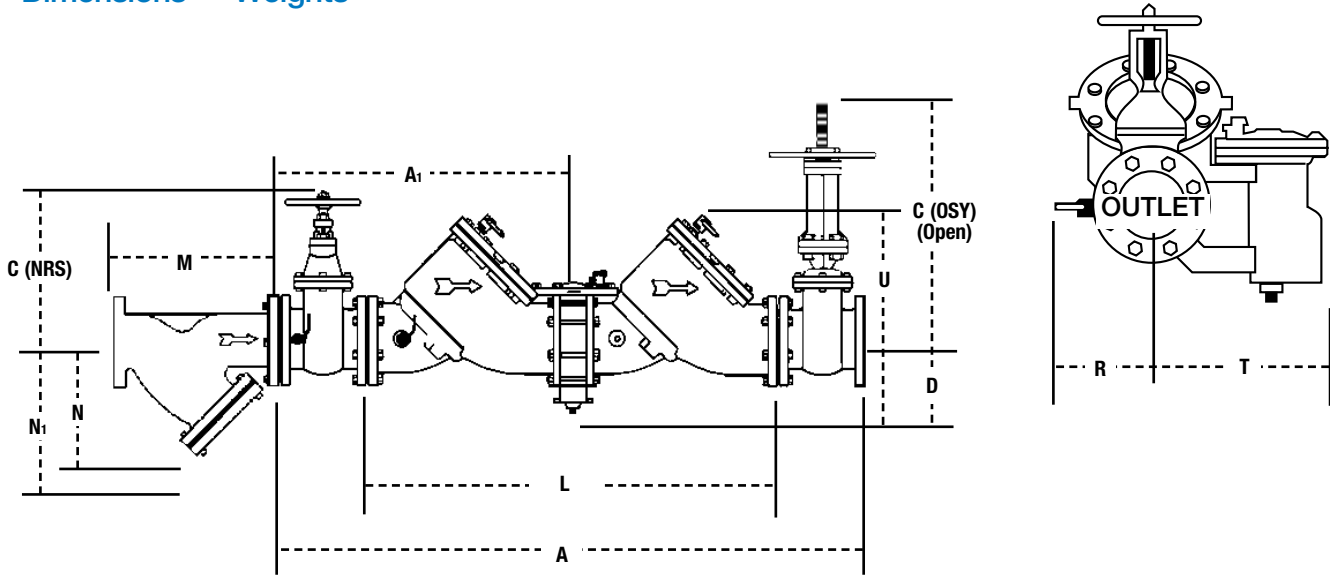
S-FDA – FDA epoxy coated strainer

Note: The installation of a drain line is recommended. When installing a drain line, an air gap is necessary.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



Dimensions – Weights



Note: Relief valve section is reversible, therefore, can be on either side and is furnished standardly as shown.

LF909

SIZE	DIMENSIONS												WEIGHT													
	A		A1		C clearance for check				D		L		U		R	R (QT)		T		NRS		OSY		QT		
in.	in.	mm	in.	mm	(OSY)*		(NRS)		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.	lbs.	kgs.
2½	41¼	1048	20¾	524	16¾	416	9¾	238	5¼	133	26½	663	11	279	4	102	16	406	9½	230	195	88.4	198	89.8	182	82.6
3	42¼	1073	21¼	540	18¾	479	10¼	260	5¼	133	26½	663	11	279	5	127	16	406	9½	230	225	102	230	104	190	86
4	55½	1400	27¾	702	22¾	578	12¾	310	6	152	37	940	14	356	6	152	19¾	502	14¾	365	455	206	470	213	352	160
6	65½	1664	32¾	832	30½	765	16	406	6	152	44½	1130	16	406	11	279	26	660	14¾	365	718	326	798	362	762	346
8	78½	2000	39¾	1000	37¾	959	19½	506	9¾	248	55¼	1403	21	533	11¼	286	11¼	286	19¼	489	1350	612	1456	660	2286	1037
10	93¾	2378	46¾	1190	45¾	1162	23¾	605	9¾	248	67¾	1711	21	533	12½	318	12½	318	21	533	2160	980	2230	1011	3716	1685

*UL, FM approved backflow preventers must include UL/FM approved OSY gate valves.

Strainer Dimensions

SIZE	DIMENSIONS					WEIGHT		
	M		N1†		N		lbs.	kgs.
in.	in.	mm	in.	mm	in.	mm		
2½	10	254	10	254	6½	165	28	12.7
3	10½	257	10	254	7	178	34	15.4
4	12½	308	12	305	8¼	210	60	27
6	18½	470	20	508	13½	343	133	60
8	21¾	549	22¾	578	15½	394	247	112
10	26	660	28	711	18½	470	370	168

† – Dimension required for screen removal