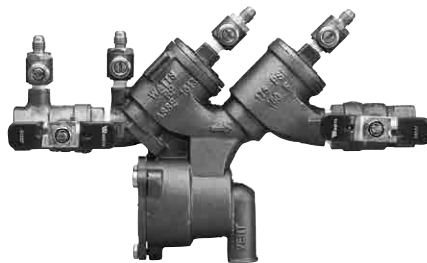


Series LF919 / 919

Reduced Pressure Zone Assemblies

LF919 Sizes: 3/4" – 2" (20 – 50mm) / 919 Sizes: 1/4" – 2" (8 – 50mm)



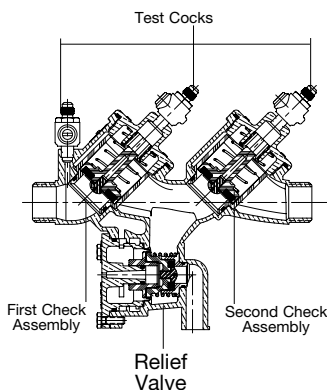
LF919QT

Features

- Separate access covers for the check valves and relief valve for ease of maintenance
- Top entry-all check internals easily accessible
- Chloramine resistant rubber elastomers
- Check valve poppet assemblies are fully guided by innovative plastic seat guide
- Replaceable push-in check valve and relief valve seats eliminates threads from the water way
- EZ twist relief valve cover quarter-turn locking joint captures the spring load during repair to facilitate disassembly
- Innovative check valve plastic cover bushing provides trouble free guiding of the check valve poppet
- Bottom mounted relief valve provides reduced installation clearances
- Compact, space saving design
- No special tools required for servicing
- Top mounted test cocks for ease in testing and reduced installation clearances
- Standardly furnished with NPT body connections

Pressure-Temperature

Temperature Range: 33°F – 180°F
(0.5°C – 82°C)
Maximum Working Pressure: 175psi
(12.1 bar)



LF919

LEAD FREE

Series LF919 Reduced Pressure Zone Backflow Assemblies are designed to protect potable water supplies in accordance with national plumbing codes and water authority requirements. This series can be used in a variety of installations, including the prevention of health hazard cross-connections or for containment at the service line entrance.

This series features two poppet style check valves, replaceable check seats, with an intermediate relief valve. Its compact modular design facilitates easy maintenance and assembly access. Sizes 3/4" – 1" (5 – 25mm) shutoffs have tee handles. The LF919 features Lead Free* construction to comply with Lead Free* installation requirements.

Materials

- Body: Lead Free* Cast Copper Silicon Alloy
- Discs: Silicone rubber
- Check Seats: Replaceable polymer
- Cover Bolts: Stainless steel

Models

Suffix:

- QT – quarter-turn ball valves
- S – bronze strainer

Approvals



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

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

919

For Use in Non-Potable Applications

Series 919 Reduced Pressure Zone Backflow Assemblies are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing. Sizes 1/4" – 1" shutoffs have tee handles.

Materials

- Body: Bronze
- Discs: Silicone rubber
- Check Seats: Replaceable polymer
- Cover Bolts: Stainless steel

Models

Suffix:

- QT – quarter-turn ball valves
- S – bronze strainer
- LF – without shutoff valves
- AQT – elbow fitting for 360° rotation
- ZQT – inlet & outlet flow up

Approvals

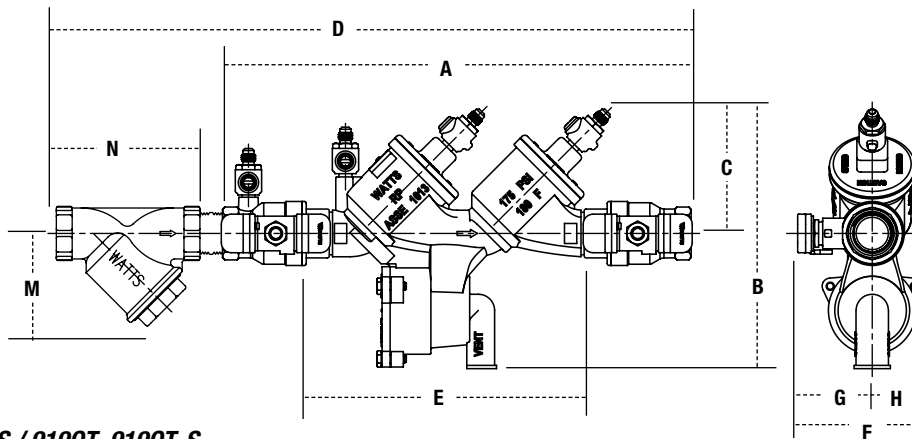


Approved by the Foundation for Cross-Connection Control and Research at The University of Southern California (for sizes 3/4" -2")

Prefix:

- U – union connections

Dimensions and Weights

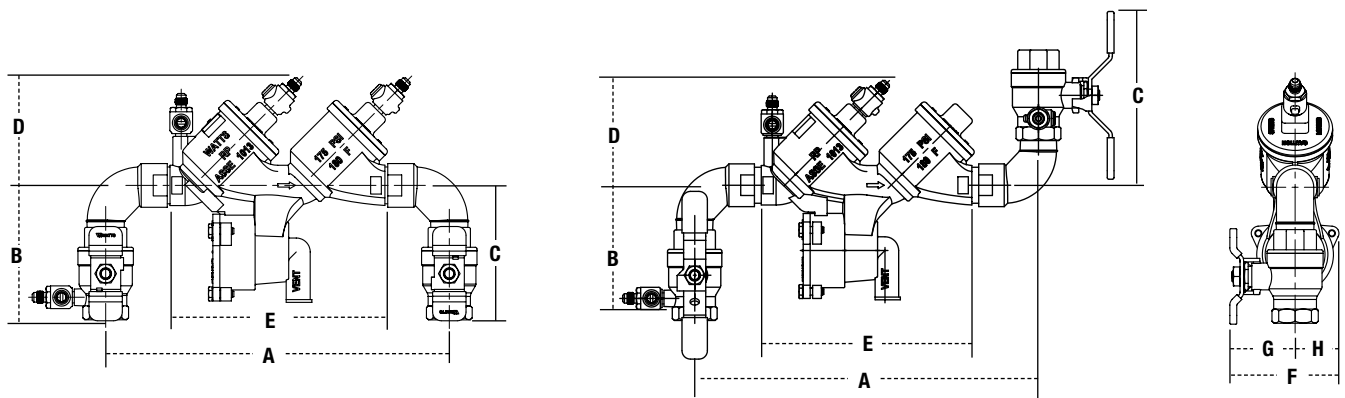


LF919QT, LF919QT-S / 919QT, 919QT-S

SIZE	DIMENSIONS										STRAINER DIMENSIONS		WEIGHT											
	A	B	C	D	E (LF)	F	G	H	M	N	919QT	919QT-S												
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.								
1/4	9 1/2	241	6 7/8	175	2 7/8	73	12 3/8	314	5 3/4	146	3	75	1 3/8	35	1 9/16	40	2 3/8	60	2 1/2	64	5.8	2.6	6.3	2.9
3/8	9 1/2	241	6 7/8	175	2 7/8	73	12 3/8	314	5 3/4	146	3 1/8	84	1 3/4	44	1 9/16	40	2 3/8	60	2 1/2	64	5.8	2.6	6.3	2.9
1/2	9 1/2	241	6 7/8	175	2 7/8	73	12 3/4	324	5 3/4	146	3 3/8	86	1 7/8	48	1 9/16	40	2 3/4	70	2 1/4	57	5.8	2.6	6.3	2.9
3/4	12 1/8	307	7 7/16	188	3 1/2	88	15 1/2	393	7 11/16	195	3 3/8	92	2 1/16	52	1 9/16	40	1 5/8	41	3 3/16	81	8.3	3.7	10.0	4.5
1	14 1/2	368	8	202	3 3/8	98	19 9/16	487	9 9/16	233	4	102	2 7/16	62	1 9/16	40	2 1/8	54	3 3/4	95	11.8	5.4	13.8	6.3
1 1/4	18 1/8	461	11 7/16	290	5 1/8	129	23 3/4	591	11 11/16	297	5 1/8	130	2 5/8	67	2 1/2	64	2 1/2	64	4 7/16	113	22.3	10.1	26.3	11.9
1 1/2	18 3/4	476	11 7/16	290	5 1/8	129	25 1/16	637	11 11/16	297	5 5/8	143	3 1/8	79	2 1/2	64	3	76	4 7/8	124	28.3	12.8	32.0	14.5
2	21 1/16	535	12 1/16	307	5 5/8	142	28 13/16	732	13 3/8	340	5 15/16	151	3 7/16	87	2 1/2	64	3 9/16	90	5 15/16	151	37.3	16.9	45.0	20.4

U919QT, U919QT-S

SIZE	DIMENSIONS										STRAINER DIMENSIONS		WEIGHT											
	A	B	C	D	E (LF)	F	G	H	M	N	U919QT	U919QT-S												
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.								
3/4	16 15/16	430	8 1/16	204	3 7/8	98	20 5/16	515	11 1/2	292	3 5/8	92	2 1/16	52	1 9/16	40	1 5/8	41	3 9/16	81	13.4	6.1	15.1	6.9
1	17 1/8	435	8 1/16	204	3 7/8	98	21 13/16	554	11 3/4	297	4	102	2 7/16	62	1 9/16	40	2 1/8	54	3 3/4	95	13.3	6.0	15.3	6.9
1 1/4	20 15/16	532	11 7/16	290	5 1/8	129	26 1/16	662	15 3/8	390	5 1/8	130	2 5/8	67	2 1/2	64	2 1/2	64	4 7/16	113	25.9	11.8	29.9	13.6
1 1/2	21 1/16	547	11 7/16	290	5 1/8	129	27 7/8	708	15 3/8	390	5 5/8	143	3 1/8	79	2 1/2	64	3	76	4 7/8	124	31.9	14.5	35.6	16.2
2	24 15/16	633	12 1/16	307	5 5/8	142	32 11/16	830	16 3/4	425	5 15/16	151	3 7/16	87	2 1/2	64	3 9/16	90	5 15/16	151	41.6	18.9	49.3	22.4



919AQ, 919ZQT

SIZE	DIMENSIONS										WEIGHT							
	A	B	C	D	E (LF)	F	G	H			lbs.	kgs.						
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.				
3/4	10 3/8	263	3 15/16	100	3 15/16	100	3 1/2	88	7 11/16	195	3 3/8	92	2 1/16	52	1 9/16	40	9.3	4.2
1	12 1/4	311	4 13/16	122	4 13/16	122	3 7/8	98	9 9/16	233	4	102	2 7/16	62	1 9/16	40	13.3	6.0
1 1/4	16 1/16	407	5 7/8	149	5 7/8	149	5 1/8	129	11 11/16	297	5 1/8	130	2 5/8	67	2 1/2	64	24.0	10.9
1 1/2	16 5/8	421	6 1/2	164	6 1/2	164	5 1/8	129	11 11/16	297	5 5/8	143	3 1/8	79	2 1/2	64	30.5	13.8
2	17 5/16	440	6 5/8	168	6 5/8	168	5 1/8	142	13 3/8	340	5 15/16	151	3 7/16	87	2 1/2	64	40.6	18.4

Flow Charts

*Typical maximum system flow rate (7.5 feet/sec.)

— LF919QT/919QT — U919QT - - - - 919AQT - - - 919ZQT

— H — V - - - - Z

* = Rated flow ** = UL Rated flow

