

WATTS

919/ LF919

SIZE

1 1/4", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

DESCRIPTION

This is a reduced pressure assembly. Production began in 2003. The body is made of a bronze alloy. In 2010 a Model LF919 was introduced which was constructed of lead free bronze. The checks utilize a poppet style check mechanism. Check covers unscrew from the top of the body. The check springs are not contained when the cover is removed. The relief valve utilizes an internal relief valve sensing line. There will be tension from the relief valve spring as you remove the cover.

BASIC REPAIR KIT

Repair kit contains discs, diaphragm, and O-rings

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
1/4"-1/2"	919-RT050	919AGC
3/4"	919-RT075	919AGC
1"	919-RT100	919AGC
1 1/4"- 1 1/2"	919-RT125	919AGF
2"	919-RT200	919AGF

IMPORTANT FEATURES

- ~Body is bronze
- ~Poppet style checks
- ~Factory repair information enclosed



Series 919

Reduced Pressure Zone Assemblies

Sizes: 1/4" – 2" (5 – 50mm)

Materials

Body: Bronze

Discs: Silicone rubber

Check Seats: Replaceable polymer

Cover Bolts: Stainless steel

Pressure – Temperature

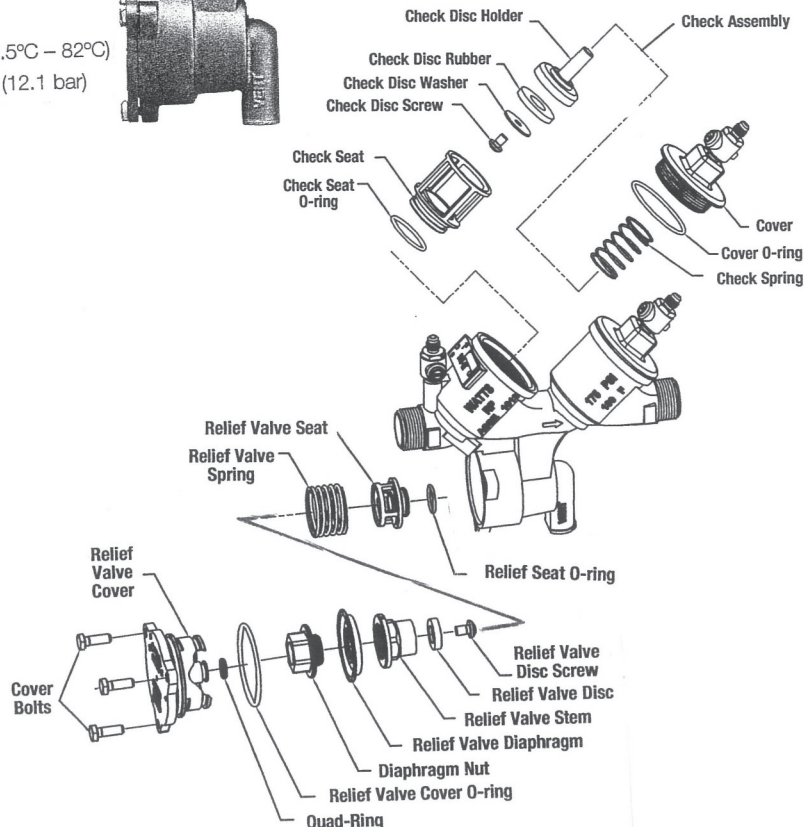
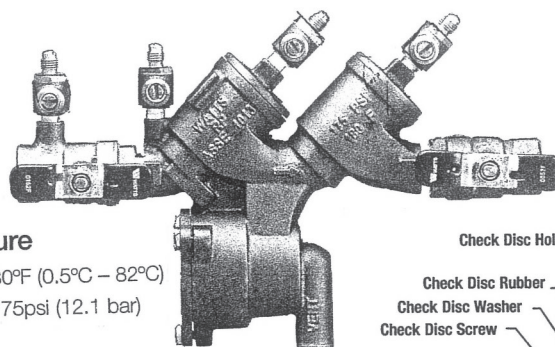
Temperature Range: 33°F – 180°F (0.5°C – 82°C)

Maximum Working Pressure: 175psi (12.1 bar)

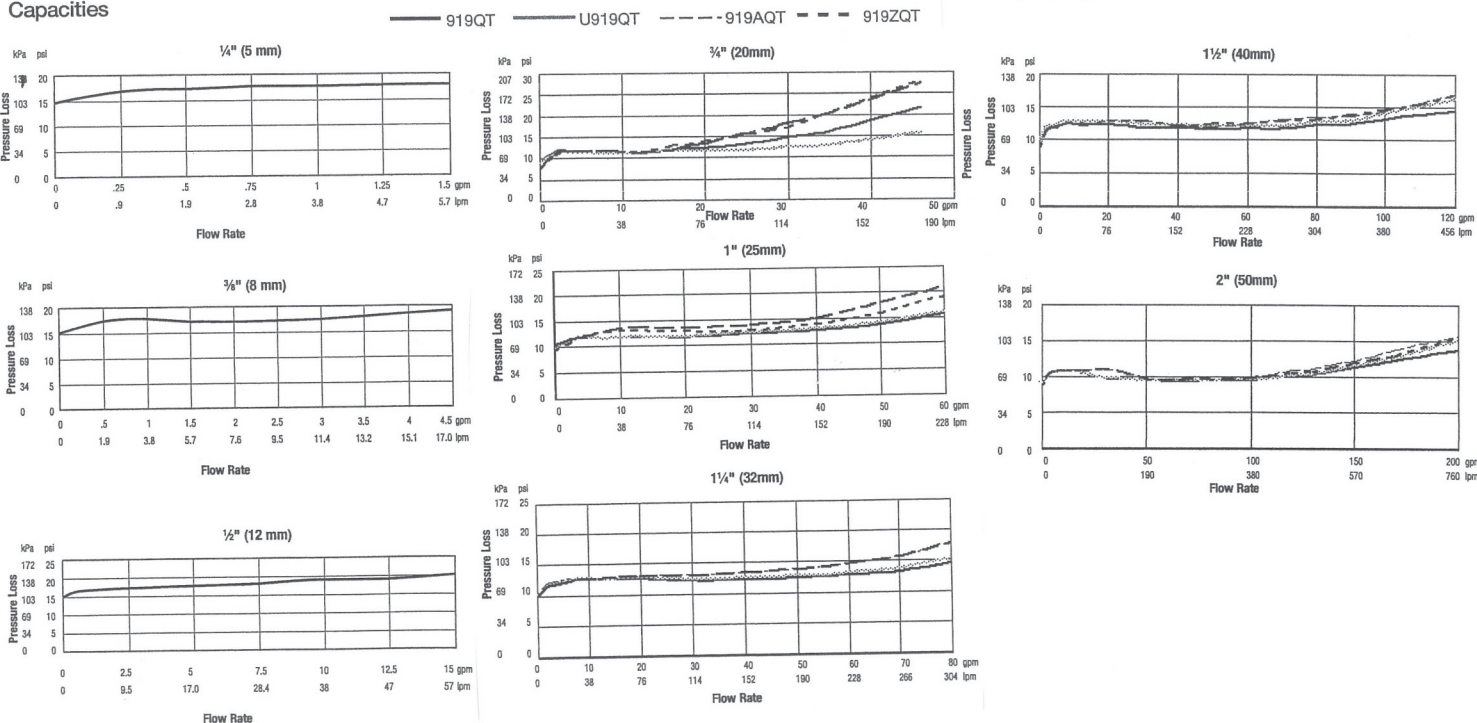
Features

- Separate access covers for the check valves and relief valve for ease of maintenance
- Top entry-all check internals easily accessible
- All rubber elastomers of chloramine resistant material
- 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

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 1/4" – 1" (5 – 25mm) shutoffs have tee handles.



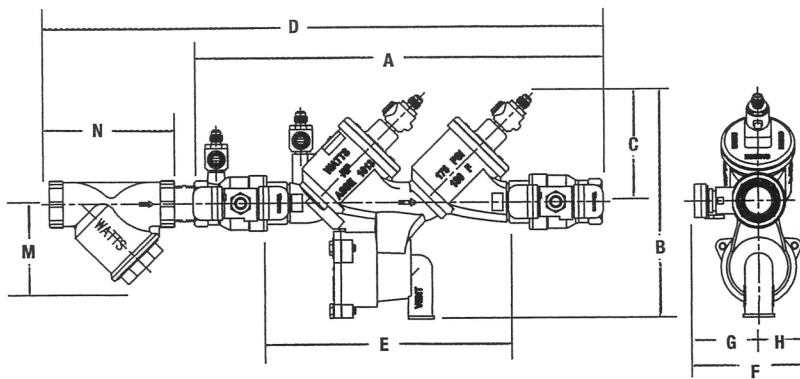
Capacities



Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

WATTS®

Dimensions — Weights

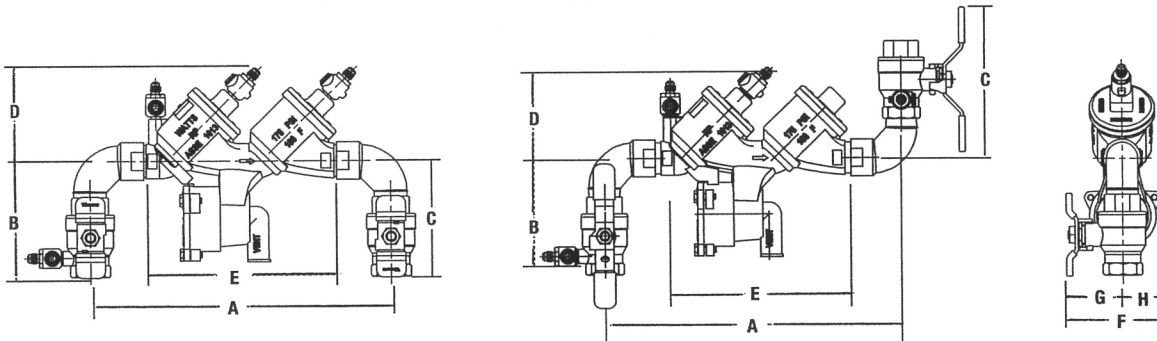


Series 919 Reduced Pressure Zone Assemblies

Sizes: 1/4" – 2" (5 – 50mm)

919QT, 919QT-S

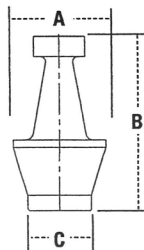
SIZE (DN)				DIMENSIONS								STRAINER DIMENSIONS				WEIGHT									
		A		B		C		D		E (LF)		F		G		H		M		N		919QT		919QT-S	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
1/4	8	9 1/2	241	6 7/8	175	2 7/8	73	12 3/8	314	5 3/4	146	3	75	1 3/8	35	1 9/16	40	2 3/8	60	2 1/2	64	5.8	2.6	6.3	2.9
3/8	10	9 1/2	241	6 7/8	175	2 7/8	73	12 3/8	314	5 3/4	146	3 1/3	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	15	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	20	12 1/8	307	7 7/16	188	3 1/2	88	15 1/2	393	7 11/16	195	3 5/8	92	2 1/16	52	1 9/16	40	1 5/8	41	3 9/16	81	8.3	3.7	10.0	4.5
1	25	14 1/2	368	8	202	3 7/8	98	19 3/16	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	32	18 1/8	461	11 7/16	290	5 1/8	129	23 1/4	591	11 11/16	297	5 1/8	130	2 5/8	67	2 1/2	64	2 1/2	64	4 7/8	113	22.3	10.1	26.3	11.9
1 1/2	40	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	50	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



919AQT, 919ZQT

SIZE (DN)				DIMENSIONS										WEIGHT					
		A		B		C		D		E (LF)		F		G		H			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
3/4	20	10 ³ / ₈	263	3 ¹⁵ / ₁₆	100	3 ¹⁵ / ₁₆	100	3 ¹ / ₂	88	7 ¹¹ / ₁₆	195	3 ⁵ / ₈	92	2 ¹ / ₁₆	52	1 ⁹ / ₁₆	40	9.3	4.2
1	25	12 ¹ / ₄	311	4 ¹³ / ₁₆	122	4 ¹³ / ₁₆	122	3 ⁷ / ₈	98	9 ³ / ₁₆	233	4	102	2 ⁷ / ₁₆	62	1 ⁹ / ₁₆	40	13.3	6.0
1 ¹ / ₄	32	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	40	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	50	17 ⁵ / ₁₆	440	6 ⁵ / ₈	168	6 ⁹ / ₁₆	166	5 ¹ / ₈	142	13 ³ / ₈	340	5 ¹⁵ / ₁₆	151	3 ⁷ / ₁₆	87	2 ¹ / ₂	64	40.6	18.4

Air Gaps



AIR GAP MODEL	SIZES	DIMENSIONS				WEIGHT			
		A	B	C					
		in.	mm	in.	mm	lbs.	kg.		
919AGC	¼" – 1"	2⅜	60	3⅛	79	½	13	.63	.28
919AGF	1¼" – 2"	4⅜	111	8⅞	214	3	76	4.26	1.93