

Backflow Preventers

Used on boiler feed lines to prevent boiler water from returning to the potable water system. Boiler water can contain chemicals and bacteria that could contaminate the potable water system.

Series 9D

Backflow Preventer with Intermediate Atmospheric Vent

Sizes: 1/2" and 3/4" (15 and 20mm)

Typically installed on boiler feed lines to prevent backflow caused by backsiphonage or backpressure. For systems without antifreeze, rust inhibitors or other chemicals. Brass body with stainless steel working parts, integral strainer and durable rubber discs.

Maximum Temperature: 180°F (82°C) sustained, 250°F (121°C) intermittent

Maximum Pressure: 175psi (12.06 bar)

9D – sizes 1/2" (15mm), 3/4" (20mm) NPT female union inlet and outlet connections.

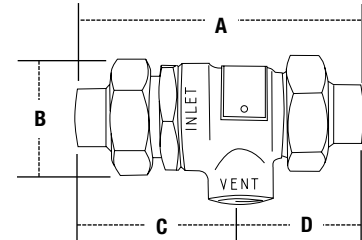
9DS – sizes 1/2" (15mm), 3/4" (20mm) with union end solder connections.

9D-SC – with satin chrome finish.

9DS-SC – with satin chrome finish.



9D



MODEL	SIZE (DN)		DIMENSIONS								WEIGHT	
	in.	mm	A		B		C		D		lbs.	kgs.
9D-M3	1/2	15	4 ¹⁵ / ₁₆	110	2 ¹⁷ / ₃₂	64	2 ⁹ / ₁₆	65	1 ²⁹ / ₃₂	48	1 1/2	.7
9DS-M3	1/2	15	4 ³ / ₈	111	2 ¹⁷ / ₃₂	64	2 ¹⁷ / ₃₂	64	1 ²⁷ / ₃₂	50	1 1/2	.7
9D-M2	3/4	20	4 ¹⁵ / ₁₆	110	2 ¹⁵ / ₃₂	63	2 ⁹ / ₁₆	65	1 ²⁹ / ₃₂	48	1 3/4	.8
9D-S M2	3/4	20	4 ¹³ / ₁₆	122	2 ¹⁵ / ₃₂	63	2 ³ / ₄	70	2 ¹ / ₁₆	52	1 3/4	.8

Approvals



Tested and certified under ASSE Standard 1012 and CSA Standard B64.3.

For additional information, request literature ES-9DM3/M2.

Series 909

Sizes: 3/4" – 2" (20 – 50mm)

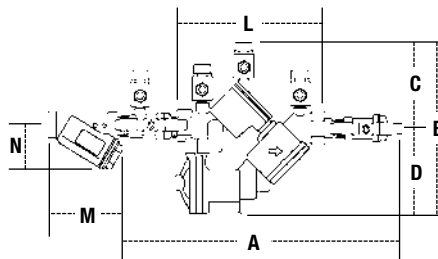
Provides protection against backpressure or backsiphonage backflow in larger systems or those with chemical additives. Unique design of "air-in/water-out" principle provides high capacity relief valve discharge performance during the emergency conditions of combined backsiphonage and backpressure with both checks fouled. Series 909QT is standardly furnished with NPT connections and quarter-turn, full port resilient seated bronze ball valves, 3/4" and 1" (20 and 25mm) have tee handle shutoffs.

Supply pressures up to 175psi (12.06 bar) and water temperatures to 140°F (60°C). Sizes 3/4" and 1" (20 and 25mm) have female threaded body NPT connections. Sizes 1 1/4" – 2" (32 – 50mm) have male threaded body NPT connections.

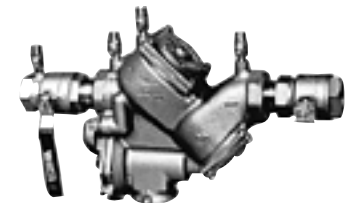
Features

- Bronze body connection
- Replaceable seats
- Ball valve test cocks
- No special tools required for servicing
- Modular design

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



909QT-S



909

OPTIONS can be combined

Suffix:

- S** - bronze strainer
- HW** - stainless steel check modules for hot and harsh water conditions to 210°F (99°C)
- LF** - without shutoff valves
- PC** - Internal polymer coating

Prefix:

- U** - 3/4" and 1" (20 and 25mm) union connections
- FAE** - 1 1/4" – 2" (32 – 50mm) flanged adapter ends

For additional information, request literature ES-909S.

MODEL	SIZE (DN)		DIMENSIONS											WEIGHT				
	in.	mm	A		B		C		D		L		M		N		lbs.	kgs.
909QT	3/4	20	14 ³ / ₈	365	8 ³ / ₄	222	4	102	4 ³ / ₄	121	7 ¹ / ₂	191	–	–	–	–	14	6.3
909QT	1	25	15 ³ / ₈	391	8 ³ / ₄	222	4	102	4 ³ / ₄	121	7 ¹ / ₂	191	–	–	–	–	15	6.8
909M1QT	1 1/4	32	18 ¹ / ₂	470	12	305	5 ¹ / ₂	140	6 ¹ / ₂	165	12	305	–	–	–	–	40	18.0
909M1QT	1 1/2	40	19	483	12	305	5 ¹ / ₂	140	6 ¹ / ₂	165	12	305	–	–	–	–	40	18.0
909M1QT	2	50	19 ¹ / ₂	495	12	305	5 ¹ / ₂	140	6 ¹ / ₂	165	12 ¹ / ₄	311	–	–	–	–	40	18.0
909QT-S	3/4	20	14 ³ / ₈	365	8 ³ / ₄	222	4	102	4 ³ / ₄	121	7 ¹ / ₂	191	3 ³ / ₁₆	81	2 ³ / ₄	70	15 ⁵ / ₈	7.1
909QT-S	1	25	15 ³ / ₈	391	8 ³ / ₄	222	4	102	4 ³ / ₄	121	7 ¹ / ₂	191	3 ³ / ₄	95	3	76	17 ¹ / ₂	7.9
909M1QT-S	1 1/4	32	18 ¹ / ₂	470	11 ⁵ / ₈	295	5 ¹ / ₂	140	6 ¹ / ₂	165	12	305	4 ⁷ / ₁₆	113	3 ¹ / ₂	89	42 ³ / ₄	19.4
909M1QT-S	1 1/2	40	19	483	11 ⁵ / ₈	295	5 ¹ / ₂	140	6 ¹ / ₂	165	12	305	4 ⁷ / ₈	124	4	102	44	20.0
909M1QT-S	2	50	19 ¹ / ₂	495	11 ⁵ / ₈	295	5 ¹ / ₂	140	6 ¹ / ₂	165	12 ¹ / ₄	311	5 ¹ / ₁₆	151	5	127	47 ³ / ₈	21.5