



LF07S Dual Check Backflow Preventer

LEAD FREE*

Sizes: 1" – 2" (25 – 50mm)

The Watts Model LF07S Residential Fire Sprinkler Dual Check Backflow Preventer is designed for non-health hazard [i.e., pollutant] application on potable fire sprinkler service connections to protect against possible backsiphonage conditions that could inadvertently drain the fire sprinkler system.

Approvals - Standards

Please consult Local Governing Code for proper installation and agency code requirements,



Sizes Applicable: 1" Only



Sizes Applicable: 1", 1½" & 2" Only



All Sizes Applicable

ANSI/NFPA 13, 14, 15, 20, 22, and 24 Compliant - All Sizes Applicable

End Connections – National Pipe Thread Taper ANSI B1.20.1

Pressure - Temperature

- Max. Working Pressure: 175psi (12.1 bar) 1½" & 2"
160psi (11.03 bar) 1" & 1¼"
- Min. Working Pressure: 10psi (0.69 bar)
- Hydrostatic Test Press: 700psi (48.3 bar)
- Temperature Range: 33°F to 140°F (0.5°C to 60°C)
1" & 1¼"
33°F to 180°F (0.5°C to 82°C)
1½" & 2"



1" LF07SU2-2



2" LF07SU2-2

Specifications

The Lead Free* Dual Check Valve Backflow Preventer shall be ASSE® Listed 1024 and be UL Classified. The main body shall be Lead Free* brass featuring replaceable seats and silicone seat discs. The check assemblies shall have captured springs to prevent injury. The Dual Check Valve shall be a Watts Model LF07S.

Material Specifications

- Body: Lead Free* Brass
- Elastomers: Silicone
- O-Rings: EPDM or Buna N
- Check Modules: Engineered Composite
- Springs: Stainless Steel

Typical Installation

NOTICE

The Model LF07S is typically installed for service on residential fire sprinkler systems. It is recommended this device is installed after a water meter and/or isolation shutoff valve with installation techniques that comply with the latest edition of the Uniform Plumbing Code. Please consult Local Governing Code for proper installation and agency code requirement.

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



Configurable Options

The Model LF07S is standardly supplied with National Pipe Thread Female [NPT] union inlet & Female [NPT] outlet connection.

Refer to the table below for optional inlet/outlet configurations.

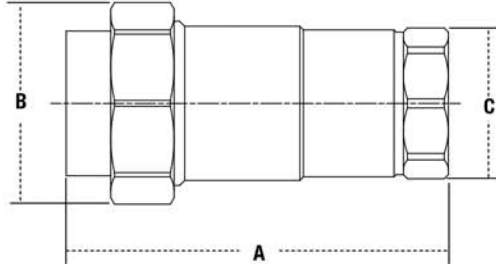
Available Inlet Connections

CONNECTION TYPE	LOCATION	MODEL SUFFIX CODE	APPLICABLE MODEL SIZES
Meter Thread Female	Inlet	4	1" & 1¼" (25 & 32mm)
Meter Thread Male	Inlet	5	1" & 1¼" (25 & 32mm)
National Pipe Thread Male	Inlet/Outlet	3	1" & 1¼" (25 & 32mm)
National Pipe Thread Female	Inlet/Outlet	2	1", 1¼", 1½" & 2" (25, 32, 40 & 50mm)

Ordering Matrix Examples

VALVE SIZE	MODEL	UNION INLET	INLET THREAD CODE	OUTLET THREAD CODE	MODEL ORDERING DESCRIPTION
1" x 1"	LF07S	U	2	- 2	1" x 1" LF07SU2-2
1" x 1"	LF07S	U	4	- 2	1" x 1" LF07SU4-2
2" x 2"	LF07S	U	2	- 2	2" x 2" LF07SU2-2

Dimensions – Weights



LF07S

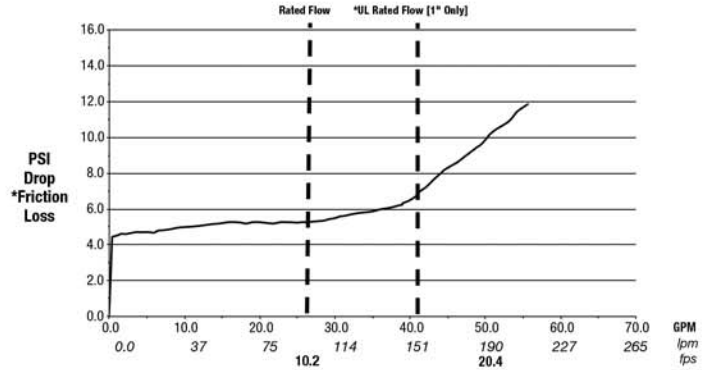
SIZE (DN)		DIMENSIONS				WEIGHT	
		A		B		C	
in.	mm	in.	mm	in.	mm	in.	mm
1	25	6¾	171	2 ¹³ / ₁₆	71	2	50
1¼	32	6¾	171	2 ¹³ / ₁₆	71	2	50
1½	40	6¾	171	3 ¹¹ / ₁₆	93	2 ¹³ / ₁₆	71
2	50	6 ¹⁵ / ₁₆	176	3 ¹¹ / ₁₆	93	2 ¹³ / ₁₆	71

NOTICE

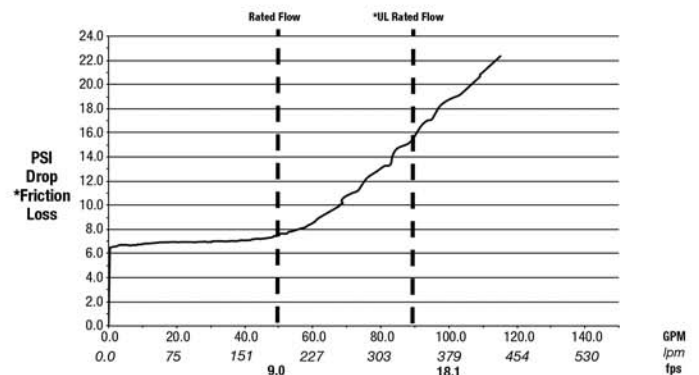
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Capacity

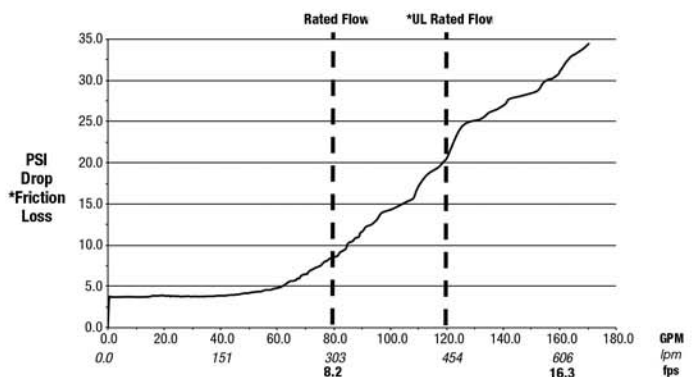
1" (25mm) LF07S



1½" (40mm) LF07S



2" (50mm) LF07S



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