

## For Fire Protection Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Series SS07F

## Stainless Steel Single Detector Check Valves

**Sizes: 4" – 10" (100 – 250mm)**

Series SS07F Stainless Steel Single Detector Check Valves are designed to detect any leakage or unauthorized use of water from fire sprinkler systems. During times of minimal water flow, the valve clapper remains closed so that the water flows through a bypass meter (optional). When fire flow is required, the increased demand will open the clapper to allow full flow.

### Features

- Lightest weight in the industry – reduces shipping and handling costs
- Non-corrosive stainless steel construction – eliminates pin holes and voids associated with epoxy coated valves
- Can be installed in horizontal/vertical positions
- Optional meter bypass assembly (specify GPM or CFM). Required to detect leakage or theft of water
- Optional sized bypass tapings available

### Specifications

The valve body shall be formed, welded units, in 300 series stainless steel. The valve shall be hydrostatically tested in excess of 700psi. Valve construction shall eliminate any possibility of defects such as sand pits and blow holes which may occur in casting. All linkage parts shall be stainless steel. Each valve shall be individually tested before shipping. All 8" and 10" valve sizes shall be equipped with lifting lugs. Valve shall be Watts Regulator Company Series SS07F.

### Materials

Body: 300 Series stainless steel

Linkage Parts: stainless steel

### Pressure – Temperature

Maximum Working Pressure: 175psi (12.06 bar)

Temperature Range: 33°F-110°F (5°C-43°C)



SS07F 4", 6"



SS07F 8", 10"

### Standards

Flange bolt pattern and hole diameter in accordance with ANSI B16.5 Class 125/AWWA C207 Class D.

Body nameplate provides nominal size, direction of flow, psi rating, year of manufacture and approval marks.

### Approvals



(8" & 10" sizes only)

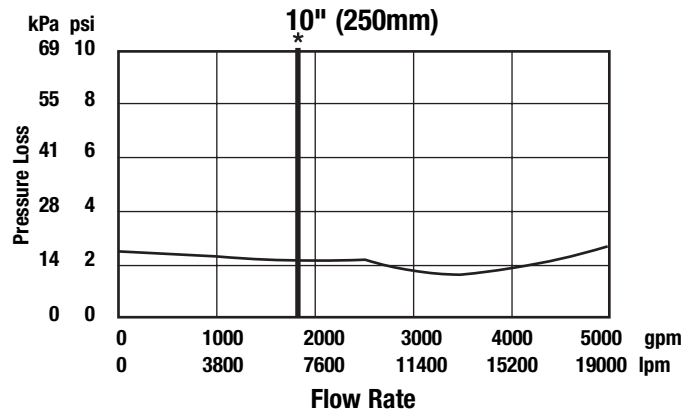
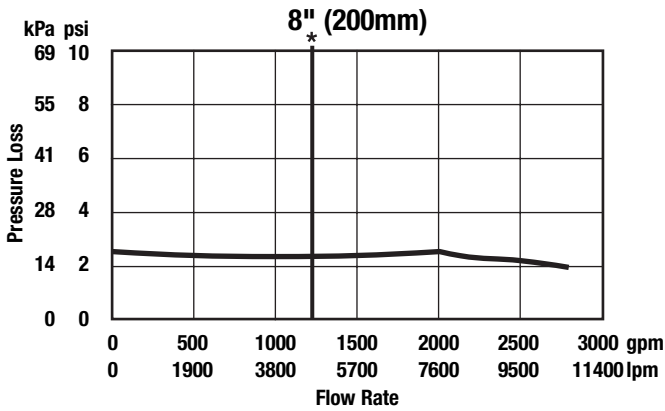
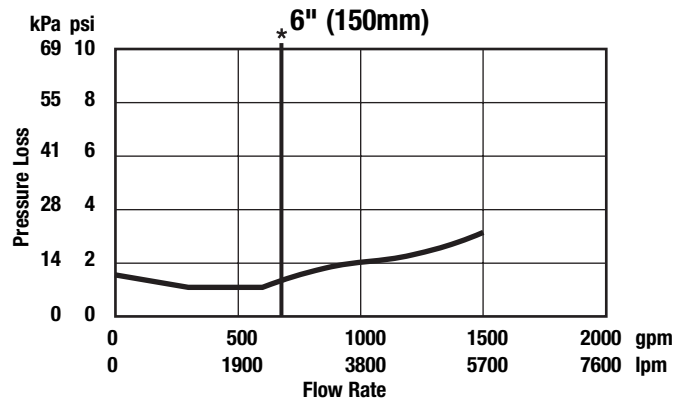
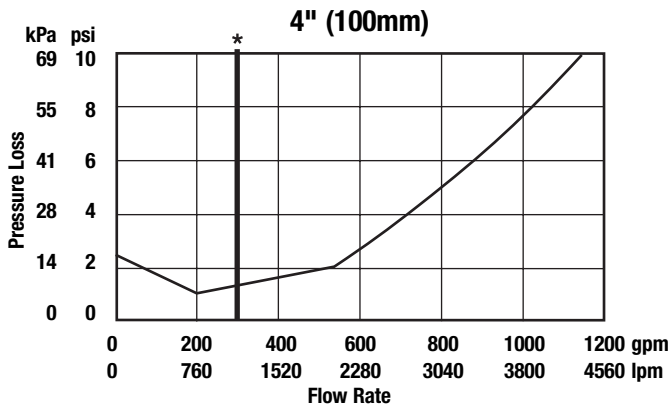
**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS**

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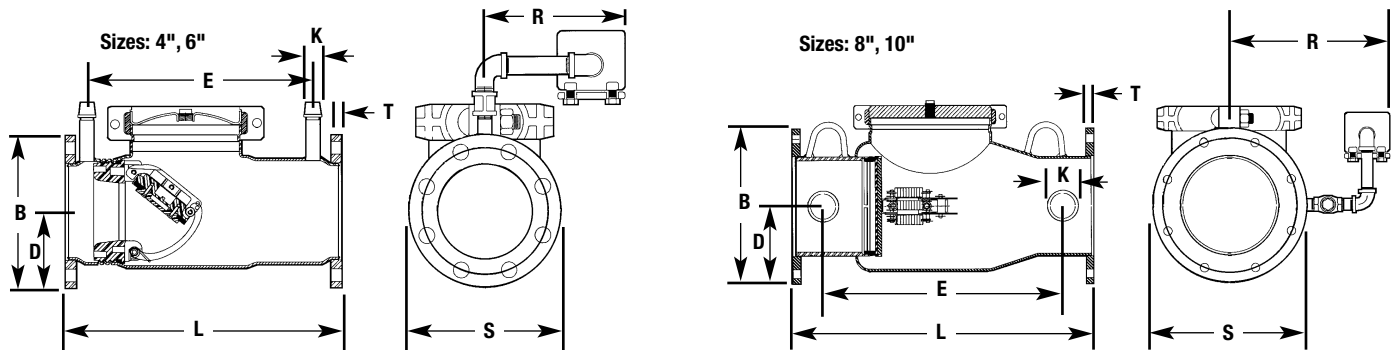
**WATTS®**

## Capacities

\*Head loss at the UL rated flow



## Dimensions – Weights



SIZE (DN)	DIMENSIONS										WEIGHTS			
	B	D	E	K (NPT)		L	R	S	T		less Bypass		with Bypass	
in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lb.	kg.	lb.	kg.
4" 100	11 1/2 292	4 1/2 114	12 7/8 327	1/2 13	16 1/2 419	8 203	9 229	5/8 16	30	13.6	35	15.9		
6" 150	13 1/2 343	5 1/2 140	17 432	3/4 19	22 1/2 572	10 1/2 267	11 279	11/16 17	65	29.5	70	31.8		
8" 200	15 1/2 394	6 3/4 171	21 1/4 540	2 51	26 1/2 673	12 1/4 311	13 1/2 343	11/16 17	143	64.9	153	69.3		
10" 250	17 1/2 445	8 203	28 1/4 718	2 51	36 914	14 1/2 368	16 406	11/16 17	163	73.9	173	78.5		

# WATTS®

Backflow Prevention Products



ISO 9001-2000  
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