



- 1/2", 3/4", 1", 1 1/2", 2", 3", 4" BSP Thread
- 4,5-1892,7 LPM (1.2 GPM to 500 GPM)



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## Features & Benefits

### Effective Flow Monitoring Even In Flows Less Than 19 LPM (5 GPM)

Effective in ranges from 4,5-1892,7 LPM (1.2 GPM to 500 GPM). Teamed with the Toro TMC-424, 13mm, 20mm, 25mm (1/2", 3/4" and 1") sensors provide a cost-effective flow monitoring and alarm system.

### Compatible With Competitive Controllers

In addition to the TORO compatible controllers – TDC+, TMC-424E, TIS-PRO and Sentinel® – these flow sensors work with any controller or control system compatible with frequency output flow sensors (pulses per second proportional to flow velocity).

TFS Series Model List		
Model	Description	Suggested Operating Range:
• TFS-050-BSP	1/2" Flow Sensor	4,5-45 LPM (1.2-12 GPM)
• TFS-075-BSP	3/4" Flow Sensor	10,2-65 LPM (2.7-28 GPM)
• TFS-100-BSP	1" Flow Sensor	18,9-189 LPM (5-50 GPM)
• TFS-150-BSP	1 1/2" Flow Sensor	18,9-379 LPM (5-100 GPM)
• TFS-200-BSP	2" Flow Sensor	38-757 LPM (10-200 GPM)
• TFS-300-BSP	3" Flow Sensor	76-1135 LPM (20-300 GPM)
• TFS-400-FLG	4" Flow Sensor	151-1892 LPM (40-500 GPM)

### TFS Series Flow Sensor Performance Data

Sensor Model	TFS-050	TFS-075	TFS-100	TFS-150	TFS-200	TFS-300	TFS-400
Size	13mm (1/2")	20mm (3/4")	25mm (1.0")	37mm (1.5")	50mm (2.0")	75mm (3.0")	100mm (4.0")
K Value	00.78	0.1563	0.26112	1.699	2.8249	8.309	13.74283
Offset	0.9	0.9	1.2	-3.016	0.1435	0.227	0.23707

## Specifications

### Specifications and Features

- Simple impeller-based design
- Potted electronics designed for valve box or underground applications
- Sensor pre-installed in tee
- Removable sensor design for easy replacement without removal of tee
- Socket end tee
- Output: 2-wire, unscaled pulse–pulse width 5msec +/- 25%
- Frequency: 3.2 to 200 Hz
  - Pressure Rating:
    - 13, 20 and 25mm (1/2", 3/4" and 1"): up to 10,3 Bar (150 psi)
    - 37, 50, 75, and 100mm (1 1/2", 2", 3" and 4"): up to 6,8 Bar (100 psi)
  - Temperature Rating: Up to 60° C (140° F)
  - Flow Range (Velocity):
    - 13, 20 and 25mm (1/2", 3/4" and 1"): 0,6–6,0m (2'-20') per second
    - 37, 50, 75, and 100mm (1 1/2", 2", 3" and 4"): 0,1–9,1m (0.5'-30') per second
  - Tee:
    - 13, 20 and 25mm (1/2", 3/4" and 1"): Schedule 40 PVC
    - 37, 50, 75, and 100mm (1 1/2", 2", 3" and 4"): Schedule 80 PVC
  - Sensor Housing: Potted, PPS
  - Impeller:
    - 13, 20 and 25mm (1/2", 3/4" and 1"): 300SST
    - 37, 50, 75, and 100mm (1 1/2", 2", 3" and 4"): Glass-filled nylon
  - Shaft: Tungsten Carbide
  - Bearing: UHMWPE
  - Wires: 18AWG direct burial shielded cable

### Warranty

- Two years

## Specifying Information—TFS

TFS-XXX-XXX		
Model	Configuration	
TFS	XXX	XXX
TFS—Flow Sensor	050— 1/2" Plastic Tee 075— 3/4" Plastic Tee 100—1" Plastic Tee 150— 1 1/2" Plastic Tee	200— 2" Plastic Tee 300— 3" Plastic Tee 400—4" Plastic Tee BSP—BSP Threaded Inlet FLG—Flanged Inlet 4" Only

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