

FLOW-SYNC™

This cost-effective flow sensor is designed for use with commercial controllers.

Sensor: **Flow**

KEY BENEFITS

- Simple-insertion flow sensor for metering and reacting to real-time flow conditions
- Provides station-level flow monitoring for reaction to high- or low-flow conditions, helping to protect against flood damage and erosion
- Compatible with Hunter ACC2 and legacy ACC and I-Core™ Controllers, as well as ICD-SEN Sensor Decoders, for installation flexibility in a variety of settings
- Easy connection up to 300 m from controller or sensor decoder
- Sensor is pre-calibrated for K-factor and Offset based on pipe size, allowing for quick setup and programming within the controller

OPERATING SPECIFICATIONS

- Recommended pressure range: 1.5 to 15.0 bar; 150 to 1500 kPa
- Pressure loss: < 0.009 bar; 0.9 kPa
- Sensor wiring: 2 x direct burial, 0.75 mm² or greater, colour-coded or marked for polarity, up to 300 m from controller
- Warranty period: 5 years



Impeller-type flow meter, requires FCT fitting for pipe installation (order separately)

Compatible with:



**ACC2
Controllers**



**ICD-SEN
Decoder**



**Waterproof Wire
Connector**

FLOW-SYNC

| Model | Description |
|-------|--|
| HFS | Hunter Flow-Sync Sensor for use with ACC2 and legacy ACC and I-Core Controllers; sensor requires FCT fitting for pipe installation |

REQUIRED USER-INSTALLED OPTION (SPECIFY SEPARATELY)

| Model | Description |
|---------|---|
| FCT-100 | 1" (25 mm) Schedule 40 sensor receptacle tee |
| FCT-150 | 1½" (40 mm) Schedule 40 sensor receptacle tee |
| FCT-158 | 1½" (40 mm) Schedule 80 sensor receptacle tee |
| FCT-200 | 2" (50 mm) Schedule 40 sensor receptacle tee |
| FCT-208 | 2" (50 mm) Schedule 80 sensor receptacle tee |
| FCT-300 | 3" (80 mm) Schedule 40 sensor receptacle tee |
| FCT-308 | 3" (80 mm) Schedule 80 sensor receptacle tee |
| FCT-400 | 4" (100 mm) Schedule 40 sensor receptacle tee |

BSP ADAPTERS FOR FCT FITTINGS

| Diameter | Model |
|-------------|--------|
| 1" (25 mm) | 795700 |
| 1½" (40 mm) | 795800 |
| 2" (50 mm) | 241400 |
| 3" (80 mm) | 477800 |

FLOW RANGE

| Pipe Diameter | Operating Range | | | |
|---------------|------------------|-------------------------------|-----------------------------|--|
| | Minimum l/min | Minimum m ³ /hr | Suggested Maximum* l/min | Suggested Maximum* m ³ /hr |
| 1" (25 mm) | 7.6 | 0.45 | 64 | 3.84 |
| 1½" (40 mm) | 19 | 1.14 | 132 | 8.0 |
| 2" (50 mm) | 37.8 | 2.26 | 208 | 12.5 |
| 3" (80 mm) | 106 | 6.36 | 450 | 27.0 |
| 4" (100 mm) | 129 | 7.74 | 750 | 45.0 |

Notes:

* Good design practice dictates the maximum velocity not to exceed 1.5 m/sec. Suggested maximum velocity is based upon Class 200 IPS plastic pipe.