

Water Works



Model FY - Fire Hydrant Water Meter

Portable turbo water meter.

- **Applications**

Temporary use for measuring water consumption in building sites

- **Available Sizes**

3" (80 mm)

- **Standards**

American FM standard approved



Features:

- Lightweight
- Lockable carrying handle prevents unauthorized access to the register
- Vacuum sealed register in stainless steel housing & heat treated glass
- Interchangeable measuring element
- 3" NPT female end threads enable attachment of various fire hydrant couplings
- Built-in protection strainer

Technical Specifications

Maximum Working Pressure	10 bar
Maximum Working Temperature	50° C
Maximum flow rate for intermittent use	110 m ³ /h
Body	Aluminum
Connections to hydrant and downstream pipe	By suitable matching couplings
Operating flowrates range	1:75 m ³ /h
Head loss	1m at 80 m ³ /h



FY type dial

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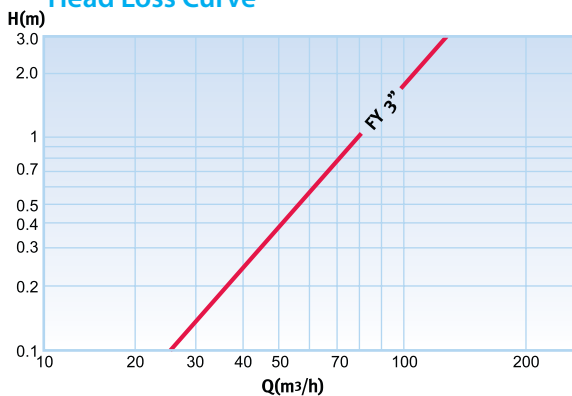
Dimensions

Model		FY
Nominal size	(mm)	80
	(inch)	3
Length With Connections (mm)		430
Height (mm)		300
Width (mm)		170
Weight (kg)		8.9

Performance data:

Model FY		Qmax Maximum flowrate (m ³ /h)	Qn ISO 4064 (m ³ /h)	Qn Nominal Flowrate (m ³ /h)	Qt Transitional Flowrate (m ³ /h)	Qmin Minimum Flowrate (m ³ /h)	Starting Flow (m ³ /h)	Maximum register capacity (m ³)	Smallest readable unit (liter)	Accuracy between Qmax & Qt	Accuracy between Qt & Qmin
Nominal size											
(mm)	(inch)										
80	3	110	40	75	1.4	1	0.4	10 ⁶	1	±2%	±5%

Head Loss Curve



Installation Requirements

- The water meter may be installed in any position.
- The meter shall be full of water while operating.