Fire Hydrant Meter (FH)

Data Sheet

Applications - For use in measurement of potable cold water up to 140˚F and working pressures up to 160 psi. The meter will perform with accuracy registration of 100% + 1 1/2% within the typical operating range. Both pressure loss and accuracy tests are made before shipment, therefore no adjustments need be made before installation.

Operation - The meter is designed for use where water flows in one direction from a fire hydrant. It may also be used for temporary metering of irrigation, well pumping, construction, testing or similar non-permanent applications. Water flows into the meter's measuring element driving a rotor where the revolutions are transferred to a register by magnetic drive coupling through the meter's cover plate.

Installation - The meter shall be installed with the direction of flow as indicated by the arrow cast in the meter case. The meter may be installed in horizontal or inclined positions up to 45˚, with the register facing upward. It is recommended that a gate valve be located downstream to control flows.

Construction - RG3 Fire Hydrant meters consist of several basic components: light weight aluminum main case, turbine type measuring element assembly, sealed register, aluminum cover plate, stainless steel hardware, brass lid assembly, aluminum or brass swivel and nipple, aluminum or stainless steel handles, etc. The measuring element assembly includes the rotor assembly, vertical shaft and a calibration vane.

Strainer - Fire Hydrant meters come with an inlet strainer built into the swivel.

Main Case	Cast Aluminum Alloy
Top Cover Plate	Bronze
Body O-Ring	Neoprene Rubber
Calibration Mechanism	Polypropylene
Rotor	Thermoplastic
Rotor Bushing	PTFE Compound
Rotor Thrust Bearings	Tungsten Carbide
Register Lens	Tempered Glass
Housing	Bronze
Register Can	Copper Alloy
Hose Couplings	Bronze
Strainer	Stainless Steel
Restrictor Plate	Stainless Steel
Carry Handles	Copper
Radial Bearing	Graphite

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Longview TX , 75602
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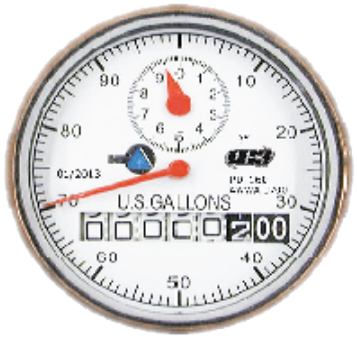
Direct Read Sealed Registers - Direct Read registers are of the straight reading sealed magnetic drive type and shall contain six (6) numeral wheels. Registers are hermetically sealed to prevent fogging. Registers are roll sealed and dry with a 360˚ test view. All direct reading register cups are copper to prevent corrosion and be covered with a high-strength, impact-resistant glass lens to prevent breakage. Registers are vacuumed. Register boxes and lids are made of high-strength polymer or brass. All Registers are secured to the main-case by means of a plastic tamper-proof seal to allow for in-line service replacement.

Register includes the following:

- Company name
- Month and year of manufacture
- Center sweep hand
- Large, easy to read numbers
- Size of meter
- Unit of Measure
- Leak indicator



Magnetic Drive - Direct magnetic drive, through the use of high strength magnets, provide positive, reliable and dependable register coupling.

Restrictor Plate - Positioned in the outlet side of the housing is a permanent orifice that limits the maximum flow of water through the meter. This is provided to protect the measuring element from over speeding when the meter discharges to atmosphere.

Maintenance - Fire hydrant meters are designed to provide long-term service with minimal maintenance. When maintenance is required the measuring element with integral straightening vanes can be removed, repaired or replaced. Pretested and calibrated measuring elements are available for exchange or purchase.

Connectors - The meter is provided with standard 2 1/2" NST fire hose swivel couplings. Meters are also available with 2" or 2 1/2" gate valves, back flow preventer and adjustable hydrant stands.

Main Casing - The main case also shows the name of the manufacturer (RG3), the size ,direction of flow and serial number." to "The main case is constructed of light weight aluminum alloy and displays the name of the manufacture, size direction of flow, and serial number

Warranty - *** Refer to full warranty for detailed warranty guidelines and standards.**

* Due to continuous research and product enhancement, RG3 Meter Company reserves the right the change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.

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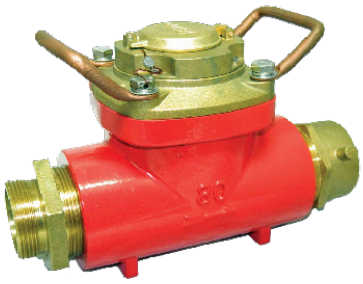
Fire Hydrant Meter (FH)
FH30GEB



FH30GEB	Units	Standard Configuration
Flow Rate Maximum Intermittent	USGPM	600
Maximum Continuous	USGPM	500
Optimum Operating Flow Range	USGPM	3-350
Low Flow Rate	USGPM	2.5
Maximum Working Pressure	P.S.I.	175
Maximum Temperature	Deg. F	140
Length	Inches	15
Weight	Pounds	23

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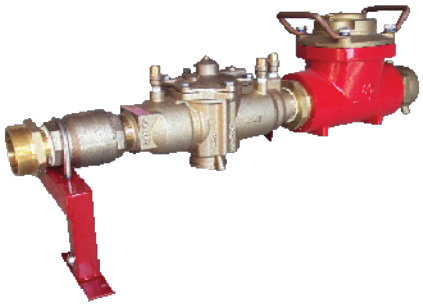
FH30GEBRPZ



FH30GEBRPZ	Units	RPZ Back Flow Preventer Configuration
Flow Rate Maximum Intermittent	USGPM	250
Maximum Continuous	USGPM	160
Optimum Operating Flow Range	USGPM	3-250
Low Flow Rate	USGPM	2.5
Maximum Working Pressure	P.S.I.	175
Maximum Temperature	Deg. F	140
Length	Inches	30 3/4”
Weight	Pounds	49

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FH30R

FH30R	Cellular Endpoint with GPS Configuration
Register	Tomahawk Absolute Encoder
Manual Resolution	1/100th Gallon
AMI Read Resolution	1 USG or CFM
AMI Endpoint	Duo Multi-Network Endpoint
Data Resolution	Hourly
Data Backhaul	Cellular and/or 450 MHz LPN
Cellular Networks	Primary - AT&T & T-Moblie Networks
GPS	Crowdsourced Proximity Bluetooth Low Energy Asset Tracker
GPS Battery	Retains Charge for 12 Months - USB-C Recharchable
Configuration	Available in Standard, RPZ, or Gate Valve Configurations
Register Enclosure	Powder Coated Steel
Weight	34 Pounds Standard / 60 Pounds with RPZ

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