

DLJ Epoxy Coated Bronze Hot Water Meters

Models DLJ 50H, 75H, 100H, 150H, 200H



Description

Operation The DLJ 50H - 200H are multijet (inferential) impeller meters. The impeller and magnet are the only moving parts in the measuring chamber. The chamber is located in a strainer basket, which allows for high amounts of impurities to be passed through the meter without affecting operation. The impeller movement is transferred by a magnetic coupling to the hermetically sealed register. All components are designed of a heat resistant polymer that can withstand temperatures up to 195 degrees F.

Compliance The DLJ line of multijets complies with AWWA C708 and ISO 4064 Class B standards

Installation The meter must be installed in a clean pipeline, free of any foreign materials. Install the meter with direction of flow as indicated by the arrow cast into the meter body. You can install the meter horizontally or inclined vertically with the register facing upwards (45 degrees max. incline on vertical installations)

Application The DLJ meter is for use with cold and hot water to 195 degrees F (90 degrees C)

Construction The meter consists of an epoxy coated bronze maincase with the size and flow direction cast into it, an integral strainer/measuring chamber, a removable dry hermetically sealed register assembly and a secured calibration port (factory tested and set).

Characteristics	Specifications				
	DLJ50H 5/8x1/2"	DLJ75H 5/8x3/4"	DLJ100H 1"	DLJ 150H 1 1/2"	DLJ 200H 2"
Flow Rating (gpm)	20	25	50	100	160
Continuous Flow (gpm)	15	20	30	75	120
Normal Flow Range (gpm)	1/2-20	2-25	3-50	5 - 100	8 - 160
Low Flow (gpm)	1/8	1/4	1/2	1 1/2	2
Maximum Pressure (psi)	150	150	150	150	150
Maximum Temperature (°F)	195	195	195	195	195
Sweep Hand Registers (Gallons)	100/10/1	100/10/1	100/10/1	100/10/1	100/10/1
Register Capacity (Millions of Gallons)	10	10	10	10	10

DLJ Meter



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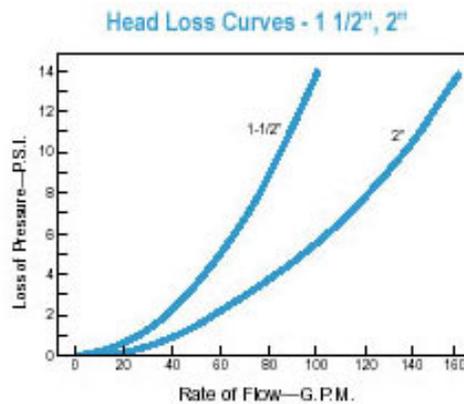
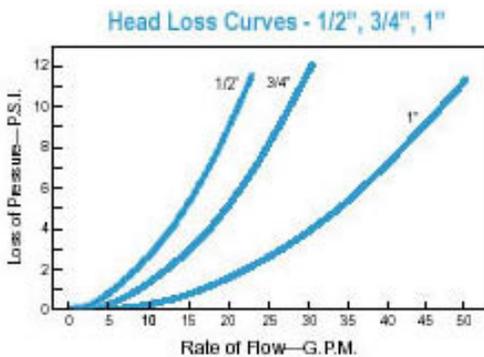
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Direct Read Register The register is contained in a hermetically sealed nylon casing with a 5mm tempered glass lens. The totalizer wheels are large and easy to read and the sweep hand is designed not to interfere with the odometer reading. The register's circumference shows individual gallons down to increments of tenths of gallons, for precision reading. The large red spinning trickle indicator is excellent for leak detection. Each register clearly show's it's applicable meter size.

Pulse Output The DLJ line is available with a dry contact reed switch pulse output. This requires external DC power, 4 watts, 30VDC maximum. Contact closure is 1 pulse per gallon on DLJ 50 - 100, 1 pulse per 10 gallons on the DLJ 150, 200.



Maintenance The register assembly is easily removable and replaceable if needed. The integral strainer on the measuring assembly prevents foreign debris damage and can be removed and flushed clean if merited.



Magnetic Drive The magnetic drive design facilitates coupling between the measuring chamber and the register assembly. The coupling will remain unless the flow rates are higher than recommended

Connections Meter casing spuds conform to ANSI B2.1 and have external straight threads (referred to as non-tapered meter threading). All meters come with full bronze meter coupling sets bringing you to Male NPT.

Specifications	Size				
	DLJ50H 5/8"x1/2"	DLJ75H 5/8x3/4"	DLJ100H 1"	DLJ 150H 1 1/2"	DLJ 200H 2"
Length	6 1/2"	7 1/2"	9"	10 5/8"	11 1/4"
Height	4 1/8"	4 1/8"	3 7/8"	6"	6"
Width	3 3/4"	3 3/4"	4 1/8"	4 1/2 "	4 1/2 "
Weight (lbs.)	3	4	5	9	10

Daniel L. Jerman Co.

275 Railroad Place
 Hackensack, NJ 07601
 Phone 800.654.3733
 Fax 201.487.3953
 International Phone 201.487.7444
 email: sales@watermeters.com

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