

# DLJ Epoxy Coated Bronze Water Meters

Models DLJ 50, DLJ 75, DLJ 7575, DLJ 100



## Description

**Operation** The DLJ 50, 75, 7575 and 100 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.

**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 vertically or horizontally and with the register facing any direction.

**Application** The DLJ meter is for use only with cold water up to 122 degrees F (50 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			
	DLJ 50 5/8" x 1/2"	DLJ 75 5/8" x 3/4"	DLJ 7575 3/4" x 3/4"	DLJ100 1"
Flow Rating (gpm)	20	20	30	50
Continuous Flow (gpm)	15	20	25	30
Normal Flow Range (gpm)	1 - 20	1 - 20	2-30	3 - 50
Low Flow (gpm)	1/4	1/4	1/4	1/2
Maximum Pressure (psi)	150	150	150	150
Maximum Temperature (°F)	122	122	122	122
Sweep Hand Registers (Gallons)	10	10	10	10
Register Capacity (Millions of Gallons)	10	10	10	10

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DLJ Meter



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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 shows its applicable meter size.



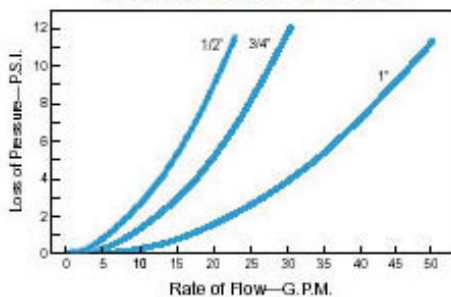
**Pulse Output** The DLJ line is available with a dry contact reed switch pulse output. This requires external DC power, 4 watts, 30VDC maximum. Contact closure is 1 pulse per gallon.



**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.

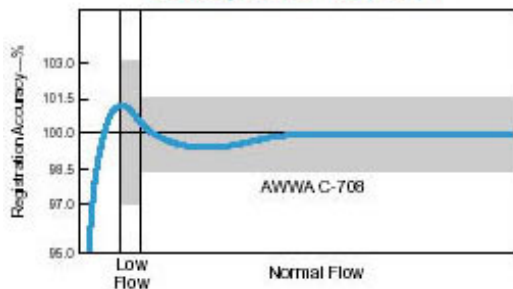
**Magnetic Drive** The magnetic drive design facilitates coupling between the measuring chamber and the register assembly. The coupling will remain unless the flow rates are higher than recommended

Head Loss Curves - 1/2", 3/4", 1"



**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.

Accuracy Curves - 1/2", 3/4", 1"



Specifications	Size			
	DLJ 50 5/8" x 1/2"	DLJ 75 5/8" x 3/4"	DLJ 7575 3/4" x 3/4"	DLJ100 1"
Length	7 1/2"	7 1/2"	9"	10 3/4"
Height	4 1/8"	4 1/8"	4 1/8"	3 7/8"
Width	3 3/4"	3 3/4"	3 3/4"	4 1/8"
Weight (lbs.)	4	4	5	5

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DLJ Meter

