

DLJ Single Jet Water Meters

Models DLJ SJ50, SJ50C, SJ75, SJ75C



Description

Operation The DLJ SJ50 and SJ75 are single jet (inferential) horizontal impeller meters. The impeller is offset from the water flowing through the jet such that the water travels perpendicular to the rotational axis of the impeller. This allows for the most accurate measurement of low flow situations. The impeller and magnet are the only moving parts in the measuring chamber. The chamber 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 single jets complies with AWWA C712 and ISO 4064 Class C 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 SJ meter is for use only with cold water up to 122 degrees F (50 degrees C)

Construction The meter consists of a nickel plated bronze maincase with the flow direction cast into it, a fully revolving tamper proof register (factory tested and set) and an integral strainer (removeable) on the inlet port.

	Specifications	
Characteristics	DLJSJ50/SJ50C	DLJSJ75/SJ75C
Flow Rating (gpm)	20	25
Continuous Flow (gpm)	15	20
Normal Flow Range (gpm)	1/2-20	2-25
Low Flow (gpm)	1/8	1/4
Maximum Pressure (psi)	150	150
Maximum Temperature (°F)	122	122
Sweep Hand Registers (Gallons)	1/10	1/10
Register Capacity (Millions of Gallons)	10	10

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DLJ Meter



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Direct Read Register The register is contained in a hermetically sealed polymer casing. The totalizer wheels are large and easy to read, and the odometer reads down to the tenth of a gallon, for precision reading. The large spinning trickle indicator is excellent for leak detection. Each register clearly shows its applicable meter size.



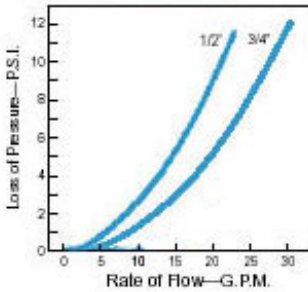
Pulse Output The DLJ SJ line is available with a dry contact reed switch pulse output. This requires external DC power, 4 watts, 30VDC maximum. Contact closure is 1 pulse per gallon.



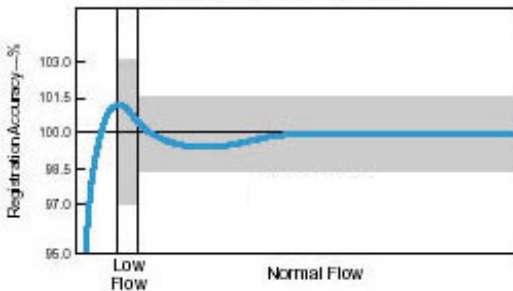
Magnetic Drive The magnetic drive design facilitates coupling between the measuring chamber and the register assembly. The coupling will remain unless the flow rates are higher than recommended.

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.

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



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



Specifications	Size	
	DLJSJ50/SJ50C 1/2"	DLJSJ75/SJ75C - 3/4"
Length	4 1/2 "	5 1/8 "
Height	3"	3"
Width	2 7/8"	2 7/8"
Weight (lbs.)	2	2

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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www.watermeters.com