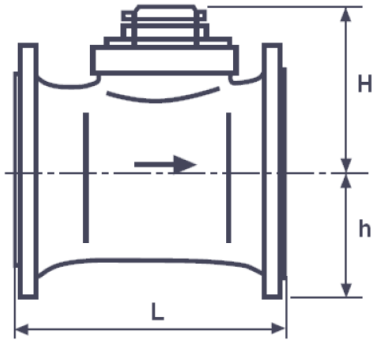


JV011001

Cast Iron Irrigation Paddle Type Water Meter

Flanged PN10/16

The JV011001 is a paddle-type irrigation water meter particularly suited to high and sustained flows of dirty and sandy water.

A magnetic drive between the measuring element and counter reduces the number of working parts in contact with water and the paddle mechanism allows small debris to freely flow through the meter.

Approvals, Features & Benefits

- Class A
- Suitable for dirty & sandy water
- Leak-proof construction
- Tamper proof
- Optional pulse output

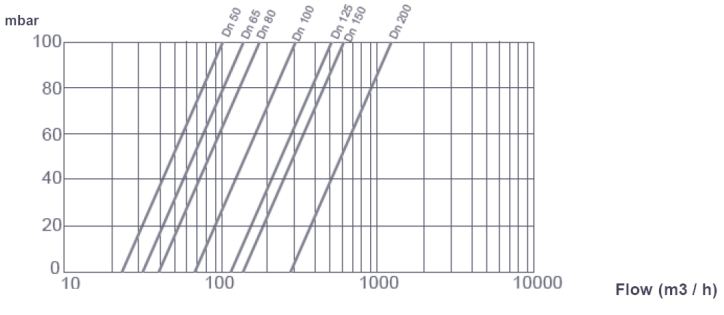
Pressure & Temperature

Maximum pressure:-
16 bar

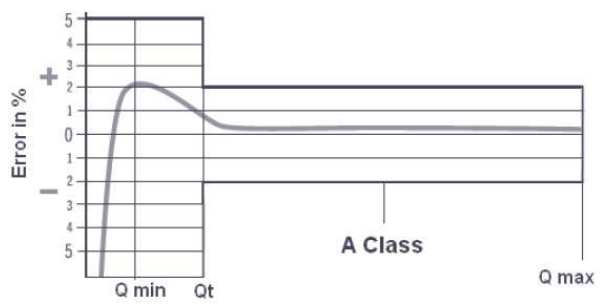
Maximum temperature:-
50°C

DN			50	65	80	100	125	150	200
L			200	200	225	250	250	300	350
H			150	150	150	150	150	152	195
h			80	92.5	100	110	125	142.5	170
Weight Kg			11.5	13	15	19	24	30	48
Min. Flow Rate ±5%	Q_{min}	m³/h	2.8	4	6	10	14	20	36
Transition Flow Rate	Q_t	m³/h	10.5	15	22.5	37.5	52.5	75	135
Nominal Flow Rate	Q_n	m³/h	35	50	75	125	175	250	450Ma
Max Flow Rate	Q_{max}	m³/h	70	100	150	250	350	500	900
Pulsed Output (optional)	Pulse/Litres		1/100	1/100	1/100	1/100	1/1000	1/1000	1/1000

HEADLOSS



TYPICAL ERROR CURVE



Installation

It's recommended to install a strainer before the water meter to protect the meter and pump.

It is advisable to install the meter as far as possible from the pump.

Make sure all the water supply outlets, served by the meter, sit higher than the meter itself otherwise its metering precision could be altered. The highest position of the count itself as the recording of the counter may not be reliable. To address these possibilities, simply place the meter after a 'large upward curve that ensures always a pipe completely filled with water (Fig 1). This will prevent air bubbles that could affect the accuracy of measurement

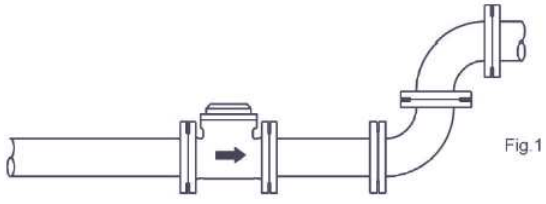


Fig.1