

Test benches for water meters



**SIMPLE TEST BENCHES TYPE MJ FOR VERIFYING
THE WATER-METER WITH COLD OR WARM WATER**



Test benches type MJS/MJT are used for verifying the water meters in the ranges of flow-rates from 0,015 to 10 m³/h with cold or warm water by using of steady start/stop method.

Technical description

The equipment consists of following main units:

1. Water supply consists of tank, pumps, (heating system) and accessories.

2. Fixing table – a row of water-meters can be fixed on the fixing table using fixture and spacers with required lengths before and behind the verified meters. At the inlet and outlet there is a pressure gauge. The fixing of water-meters can be done by mechanical or pneumatic appliance. Two serial connected rows can be placed on the fixing table in case of verification with cold water.

3. Regulating part consists of 3 lines. In every line there is an inlet closing valve for adjusting the line, regulation valve used for readjusting of required flow-rate and flow meter.

4. At the end of testing bench there are metering vessels or etalon-balances, if the verifying is done by warm water with corresponding size and with ball valves at the outlet.

The test bench can be equipped by a system for collecting of data with hand-terminal connected to a PC. Storage of data and printing of test-reports as well as further statistical functions are possible.



Technical parameters

Type of testing bench		MJS 6/15÷32	MJS 12/15÷40	MJS 20/15÷40	MJT 6/15÷32	MJT 12/15÷32
Measured range		0,015 ÷ 6 m ³ /h	0,015 ÷ 12 m ³ /h	0,015 ÷ 20 m ³ /h	0,015 ÷ 6 m ³ /h	0,015 ÷ 12 m ³ /h
Minimal accuracy		0,2 % ÷ 0,4 %				
Max. working pressure		10 bar				
Testing medium		Drinking water				
Temperature of testing medium		15 ÷ 30 °C			15 ÷ 60 °C	
Reference standards	Vessels	15 + 110 l	15 + 200 l	25 + 500 l		
	Weighting scale (option)	150 kg	300 kg	600 kg	150 kg	300 kg
Amount of rows		1 or 2			1 (2)*	
Amount and DN of verified meters	DN 15 mm / 110 mm	10 + 10 pcs			10 (+10) pcs	
	DN 20 mm / 165 mm	8 + 8 pcs			8 (+8) pcs	
	DN 25 mm / 190 mm	7 + 7 pcs			7 (+7) pcs	
	DN 32 mm / 260 mm	5 + 5 pcs			5 (+5) pcs	
	DN 40 mm / 300 mm	-	4 + 4 pcs			
Thermometer		10 ÷ 30 °C ± 0,1 °C			10 ÷ 60 °C	
Electrical supply		3P,N,PE; 400V/ 50 Hz, 1 ÷ 6 kVA			3P,N,PE; 400V/ 50 Hz, 20 kVA	

* warm water only one row