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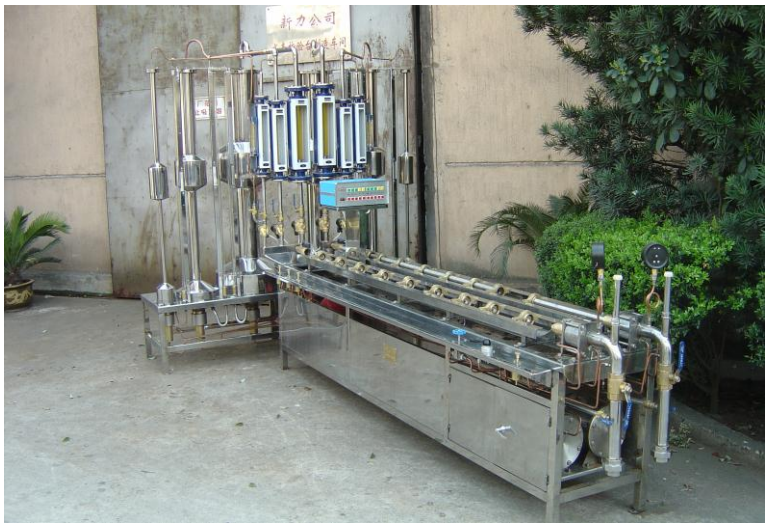
Picture of Serial Test Bench



Serial Test Bench (one Line)-above picture is for TWO lines=2 TEST BENCHS

1. With capacity for testing

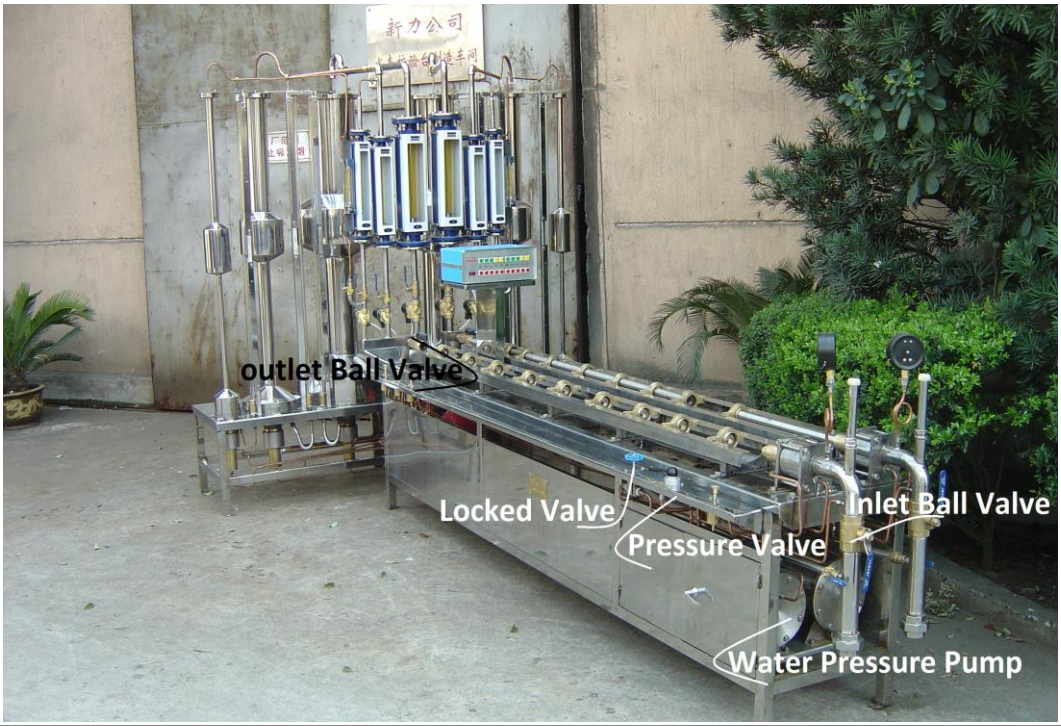
10pcs	Dn15	165mm
8pcs	Dn20	190mm
6pcs	Dn25	260mm

The Actual quantity can be tested depened on the pressure form the system!

1,1. Installing the watermeter on the test bench with the necessary adaptor for different size;

1,2. Open the Inlet valve, also the calibration valve for release the air from the water meter and the system;

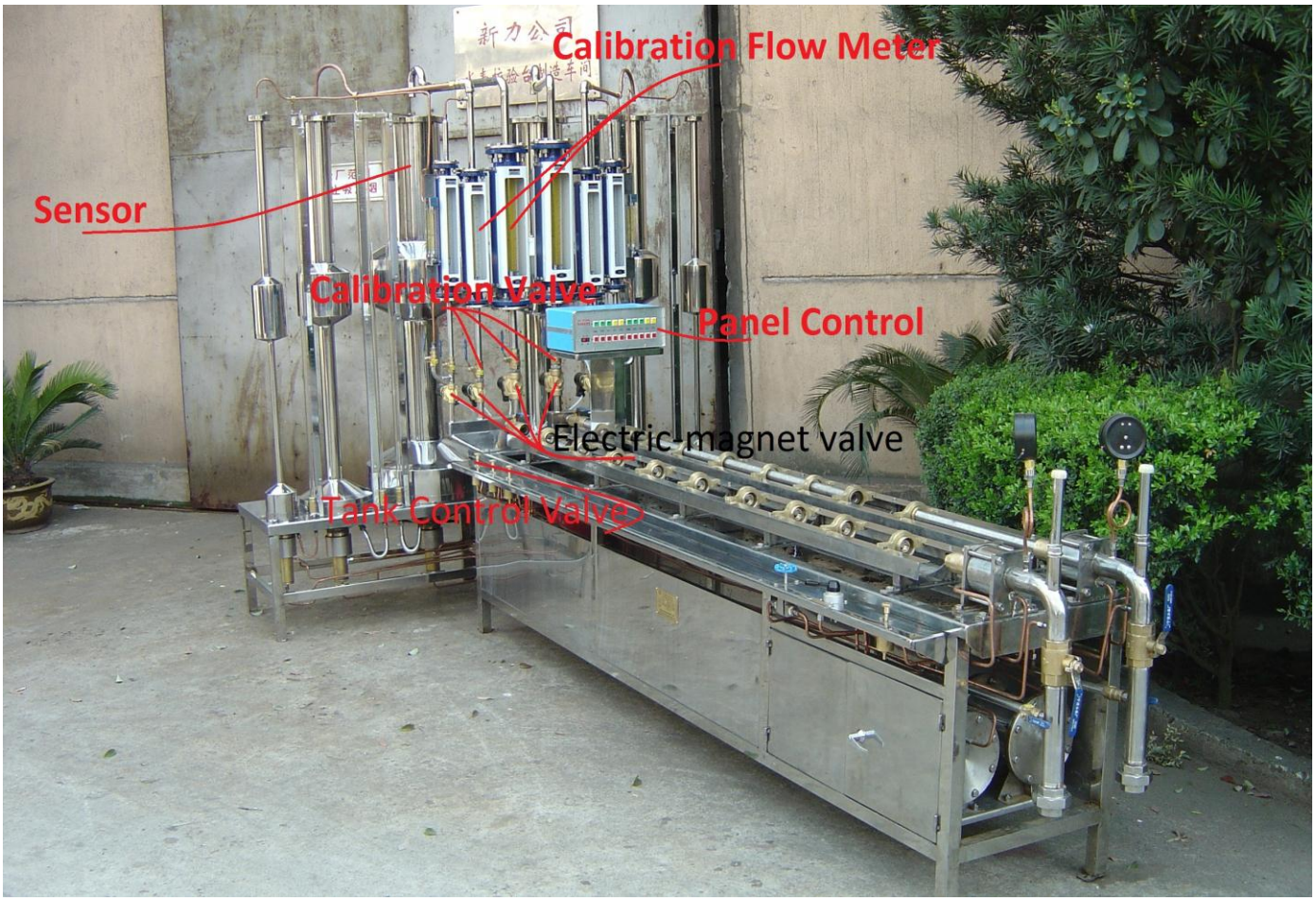
2. With Capacity for pressure testing;



2,1. Closed the inlet and outlet valve, opening the locked valve, using the pressure valve increased the pressure ("big" side) until 20bars (or necessary pressure), closded the locked valve to keep the pressure to inspect if there are any leakage;

2,2. Opening the locked valve, using the pressure valve to reduce the pressure ("small" side), after closed the locked valve;

3. Electric control for automatic stopping systmes;



3,1. Using Calibration valve to set the Calibration Flow Meter at the Flow rate going to test;

3,2. Through Panel Control (380/220V, 50Hz) to keep the electric magnet valve in "Close" position;

3,3. Using tank control valve to close the calibration tank;

3,4. Getting the reading of each meter, called "Vs";

3,5. Through Panel Control to open the electric manget valve for the flow rate would like to test;

3,6. When the certain volume of the water reach the position of the sensor, and the electric manget valve will clsoe with sensor;

3,7. Getting the reading of each meter, called "Vf";

3,8. Vf-Vs=V is the volume pass the water meter;

3,9. Vo is the volume of the tank;

3,10. the error under this flow rate is (V-Vo)/Vo;

3,11. Using the same tank Control valve to release the water from the calibration tank;

3,12. Repeated above step for testing another flow rate;

4. Calibration tank: having inlet pipe Dn40, with calibration tank 10/20, 50/100 volumes;

5. Calibration flow meter

LZB15		LZB25		LZB50	
90 L/h		700 L/h		8000 L/h	
75 L/h		600 L/h		6000 L/h	
70 L/h		500 L/h		5000 L/h	
60 L/h		480 L/h		4500 L/h	
56 L/h		450 L/h		3500 L/h	
50 L/h		350 L/h		3000 L/h	
45 L/h		300 L/h		2500 L/h	
30 L/h		280L/h		2000 L/h	
27 L/h		250 L/h		1800 L/h	
23 L/h		220 L/h		1750 L/h	
19 L/h		200 L/h		1500 L/h	
17 L/h		280 L/h		1250 L/h	
14 L/h		160 L/h		1200 L/h	
12 L/h		150 L/h		1050L/h	
10 L/h		120 L/h		1000L/h	
8 L/h		105 L/h		800 L/h	
6 L/h		100L/h		750 L/h	
4L/h		70 L/h		700 L/h	
				450 L/h	

6. Accuracy: 0.2%

7. Calibration tank:

Tank	Volume (liters)
Big Tank	100/50
Middle Tank	20/10
Small Tank	5/2

Remark *Above information is only for the test bench, exclusive the pump system for supplying the water, Water resource tank and the recycle tank...

Explaination for Automatic Stop system:

*With the sensor inside of the indication pipe for the calibration tank;

*for example when the water reach 10 liters, the sensor will give information to the panel control in order to stop the electric magnet valve, of course you need to set the "opening' at the beginning of the testing.