

### Compact Water-Meter Test Bench for 11,5 m<sup>3</sup>/h, size DN15 (1/2") water meters



***JUST  
ADD  
WATER...***

The **Model Q3** Water-Meter Test Bench from **IBPCal** is an equipment designed to perform verification and accuracy testing of up to 3 simultaneous DN15 (1/2") water meters.

Conceived as a compact, low-cost Test Bench, it is ideal for the equipment of water-meter Test Labs or Meter Shops in small and medium size Municipal Water Companies, allowing them to verify and accuracy test water-meters in a precise and reliable fashion with minimum investment in space and infrastructure.

In order to operate, the **Model Q3** requires only to be connected to an elevated water tank. The tank height provides enough head pressure to run the low-flow testing. For high-flow testing, the **Model Q3** comes with a built-in pressurizing pump which starts automatically by the means of an integrated flow sensor. Once the high-flow test ends the pump stops, also automatically.

Built with quality and durability components, the **Model Q3** gives you a reliable and precise tool to immediately equip your small water-meter shop.



# Model Q3

- \* Testing Capacity: up to 3 water-meters size DN15 (1/2"), Q3 = 1,5 m3/h.
- \* Clamping System: mechanical lever, manually operated.
- \* Flowrate Range: 6.0 liters/hour to 3,000 liters/hour.
- \* Volumetric Reference Tanks capacity: 10.0 liters and 100.0 liters.
- \* Calibrated Verification Scale Interval: 10 milliliters y 20 milliliters respectively.
- \* Testing branches:

low: 6.0 to 60 lph

medium: 60 to 450 lph

high: 240 to 3,800 lph

- \* Flowrate regulation valves: Needle type, manually operated.
- \* Test Start-Stop valves: full port ball valves, manually operated.
- \* Calibrated Tanks Drain Valves: full port ball valves, manually operated.

## TECHNICAL DATA

		Model Q3		
Meter under test	Size	DN15 (1/2")		
	Q3	N1,5 m3/h		
	Length mm	115	165	190
	Qty. Per load	3	3	3
Volumetric Reference Tanks	Qty.	2		
	Volume	10.0 liters	100.0 liters	
	Resolution	0.010 liters	0.020 liters	
Testing Branches (each rotameter)	Cantidad	3		
	Flowrate Range [lph]	6 to 60	60 to 450	240 to 3800

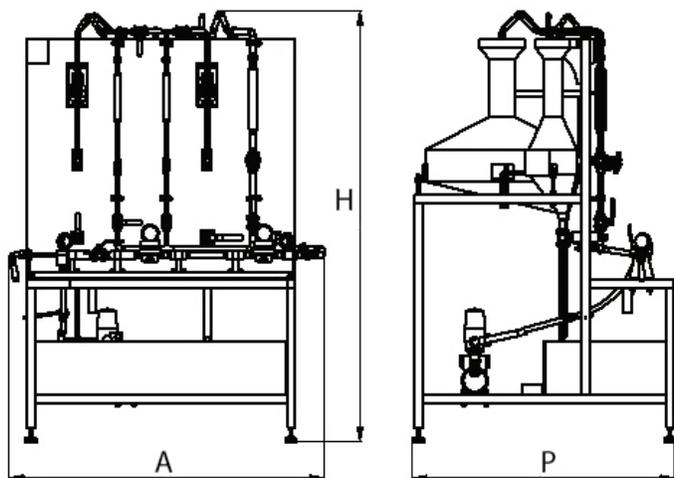
## INSTALLATION AND OPERATION REQUIREMENTS.

The **Model Q3** requires minimum physical space for its installation. See attached dimensional drawing.

It should be connected to an elevated tank -approximately 5 mts. (17 feet)- above the bench level. The piping should be 1" in size, dedicated exclusively to the **Model Q3** operation.

It is necessary to count with an electrical power supply 115 VAC, 15 Amp. for the built-in pump.

The test water collecting vessel has a 1-1/2" NPT drain pipe, which should be connected to a 2" sewage drain if the water is to be wasted (justifiable if the volume of operations is small). Otherwise, the 1-1/2" drain pipe should be plugged, and a small submersible pump (not included) should be placed in the vessel to recirculate the testing water back to the elevated tank.



	Model Q3
Width A	1.45 mts.
Depth P	1.21 mts
Height H	2 mts.
AC Power Supply	115 VAC, 15 Amp.
Inlet Pipe	Ø 1" NTP
Drain Pipe	Ø 1-1/2" NTP