Product name:	Product code:
Pipe Surge and Water Hammer Apparatus	Fluid00001



Description

Pipe Surge and Water Hammer Apparatus

Technical specification

Technical Details:

Test pipes	Stainless steel, 20.2 mm inside diameter, nominally 3 m long
Surge shaft	Clear acrylic, 40 mm inside diameter, 800 mm high
Head tank	PVC, capacity 45 litres

Pipe Surge and Water Hammer Apparatus

Pipe Surge and Water Hammer Apparatus

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A freestanding unit developed to demonstrate the phenomena of pipe surge & water hammer when connected to a Hydraulics Bench

- Includes two separate stainless steel test pipes, both 3m long, constant head tank, slow acting valve, fast acting valve etc
- A transparent surge shaft (40 mm diameter and 800mm high) with scale allows transient water levels to be observed and timed
- Electronic sensors used to measure pressure transients at two locations in the water hammer test pipe, one adjacent to fast acting valve and one half way along the test pipe.
- Pressure transients monitored using a PC (not supplied) using a USB connection from the pressure transducers (requires no external electrical supply)
- Straight metal pipes used, rather than a coiled arrangement, to minimize distortion to the pressure profile