ADVANCED HYDRAULIC HAMMER

RR 175

Description:

In structures such as hydroelectric power plants, or in systems for supplying water, changes in flow rate result in pressure fluctuations. For example during startup and shutdown of hydraulic machines or by opening and closing shut-off elements. There is a distinction to be made between rapid pressure changes that propagate with high velocity (water hammer) and slow pressure changes caused by mass oscillations. Pipeline systems use air vessels or surge chambers to dampen water hammer and mass oscillations. This unit is equipped with pressure transmitter, suitable data acquisition system, solenoid valve and specified software.

Specifications:

- Water reservoir tank
- Solenoid valve
- Transparent surge chamber made of plexiglass
- Pressure transmitter
- Reservior tanks
- Water supply system
- Piping system with valves and fittings
- Carbon steel structure
- Data logger and specified software
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigation of a surge chamber and water hammer phenomenon
2. Investigation of produced waves due to water hammer
3. Obtaining water level change in surge chamber and pressure changes vs. time

Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm: 4000×1800×1000