



Laser Doppler Velocimetry (LDV)
Measures the velocity of semi-transparent fluids using Doppler shift of laser.



Acoustic Doppler Velocimeter (ADV)
Measures the velocity of fluids using Doppler shift of sound waves.



Ultrasonic Ranging System
3-D bed profile measurement device.



Digital Manometer, Air Speed Meter and Air Flow meter
Measures the air flow.



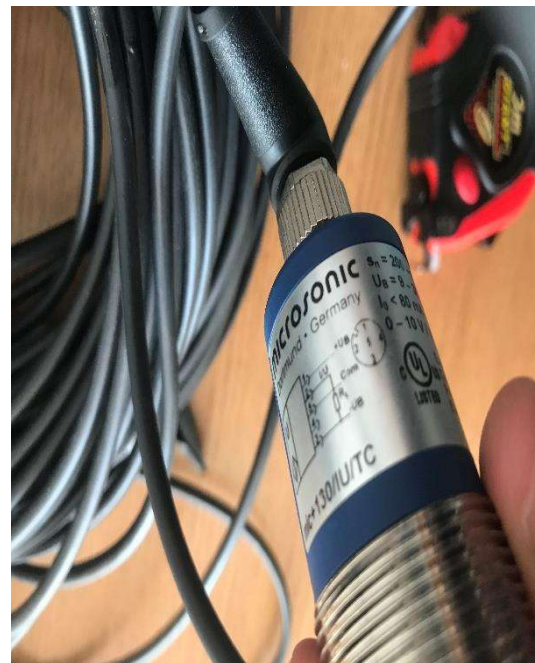
Levelling Instrument (Nivo)
Optical leveling instrument.



Pressure Transducer
Sensor for measuring the pressure.



Multifunction I/O Device
Multifunction input-output terminal for multiple sensors.



Ultrasonic Sensors
Sensor for measuring the distance using ultrasonic waves.



Electromagnetic Flowmeter
Measures discharge in pipe using electromagnetism.



Data Acquisition Equipment
Monitors, amplifies and records analog signals from multiple sensors.



Osborne Reynold's Apparatus
Demonstrates laminar flow, turbulent flow and transition between those two.



Pump (50 lt/sec)
One of the pumps supplying water for the Hydraulic Laboratory



Pump (125 lt/sec)
One of the pumps supplying water for the
Hydraulic Laboratory



Pump (250 lt/sec)
One of the pumps supplying water for the
Hydraulic Laboratory



Percussion Drill
Used in workshop.



Round Iron Cutting Machine
Used in workshop.



Iron Cutting & Bending Machine
Used in workshop.



Heat Treatment Furnace
Used in workshop.



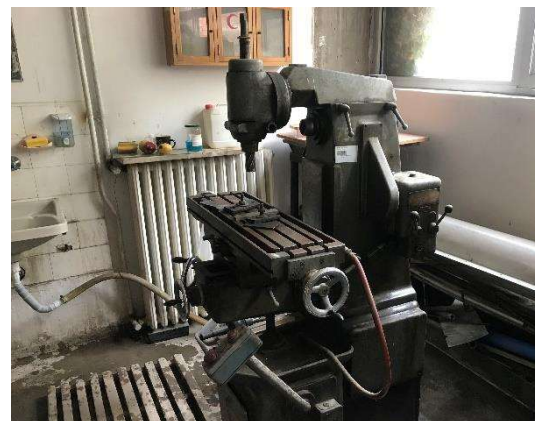
Metal Plate Cutting Machine
Used in workshop.



Surface Planning Machine
Used in workshop.



Mould Milling Machine
Used in workshop.



Mould Milling Machine
Used in workshop.



Planing Machine
Used in workshop.



Lathe Machine (Small)
Used in workshop.



Lathe Machine (Big)
Used in workshop.



Sanding Machine
Used in workshop.



Belt Sander Machine
Used in workshop.



Circular Sawing Machine
Used in workshop.



Vertical Band Saw Machine
Used in workshop.



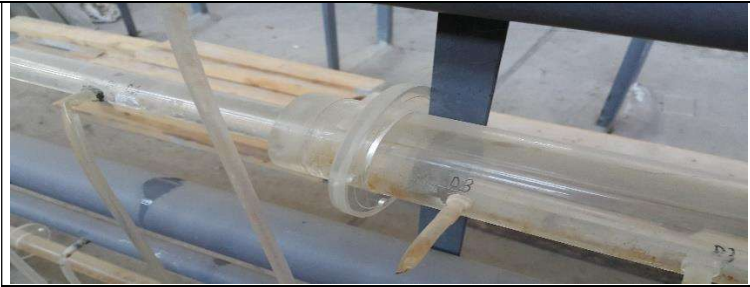
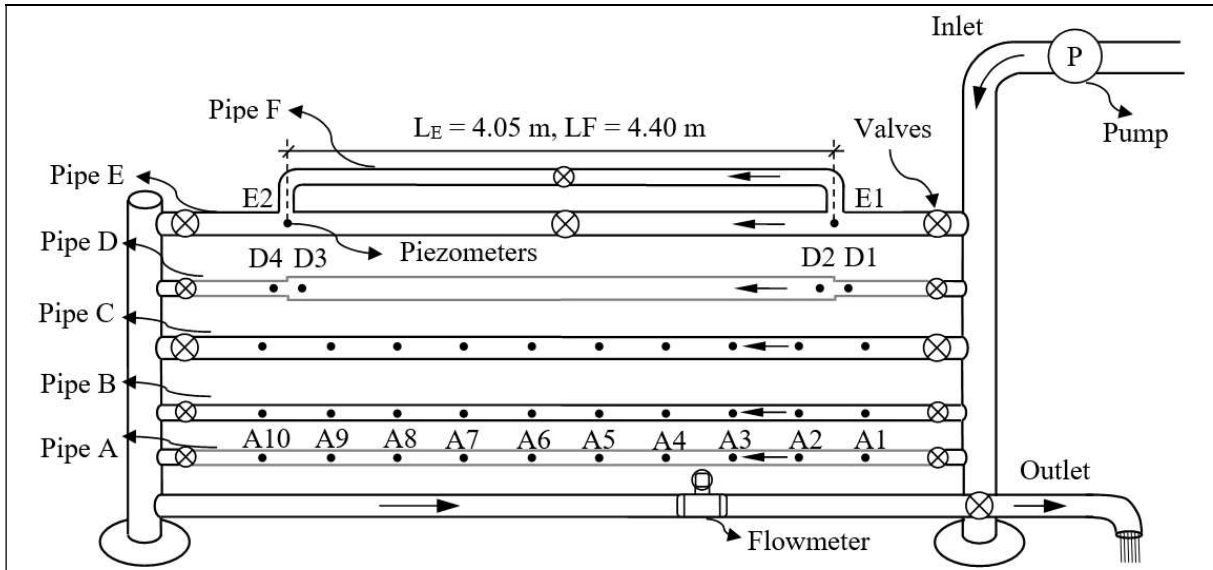
Sawing Machine
Used in workshop.



Air Compressor
Used in workshop.



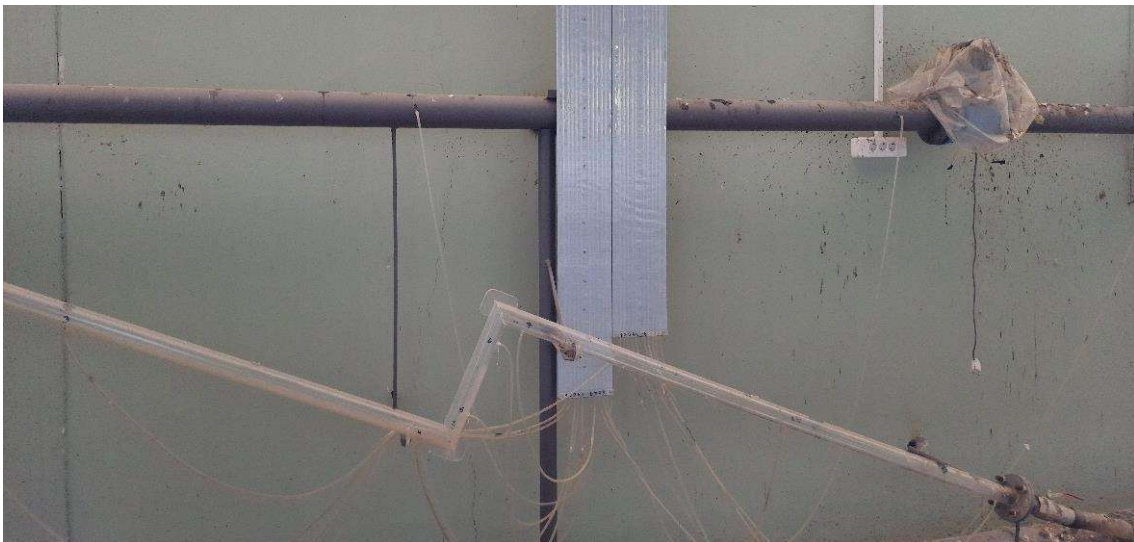
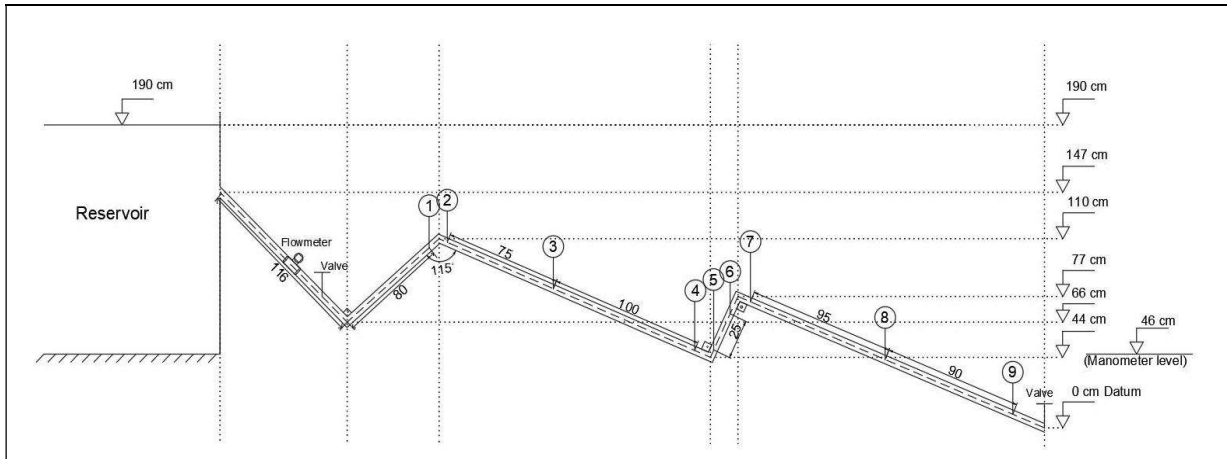
Air Compressor
Used in workshop.



**Apparatus for Head Losses Through Single and Parallel Pipes
with/without Expansion and Contraction of Pipe Diameters**
Laboratory setup for Hydromechanics course (CE372).

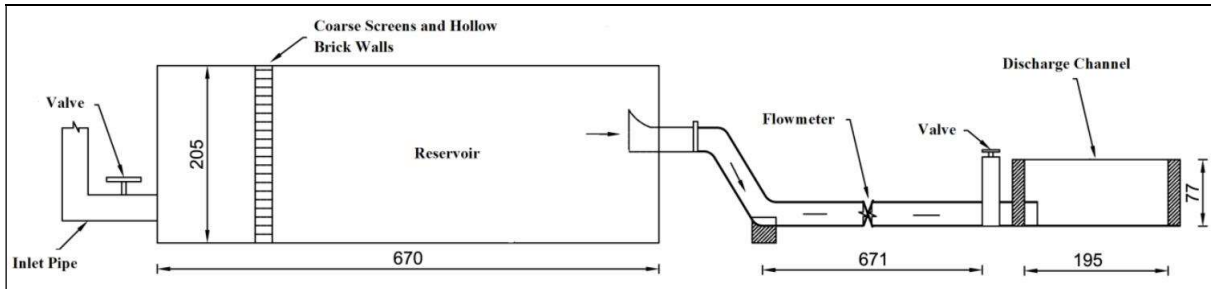


Open Channel Test Apparatus
Laboratory setup for Hydromechanics course (CE372).
Transitions and Hydraulic Jump phenomenon are demonstrated in the open channels



Gravity Pipeline Test Apparatus
Laboratory setup for Hydromechanics course (CE372).

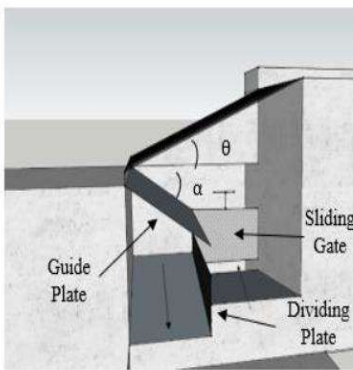
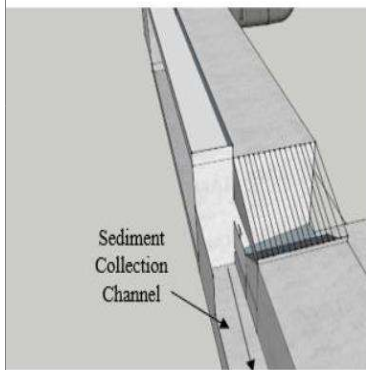
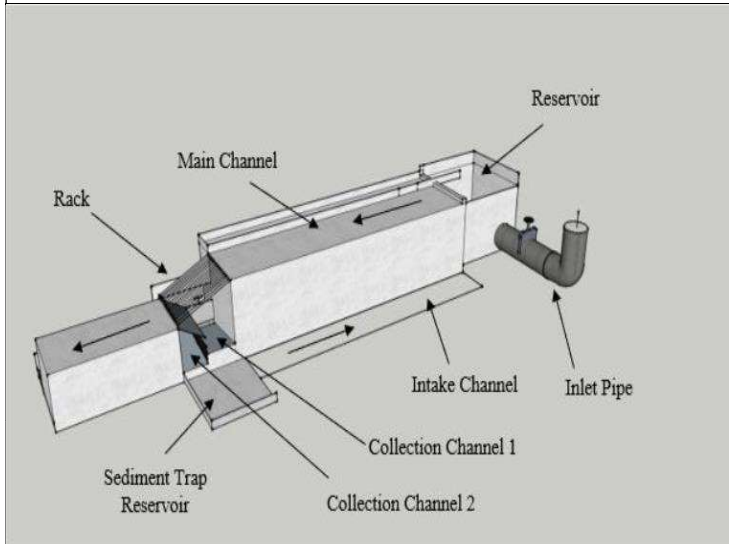
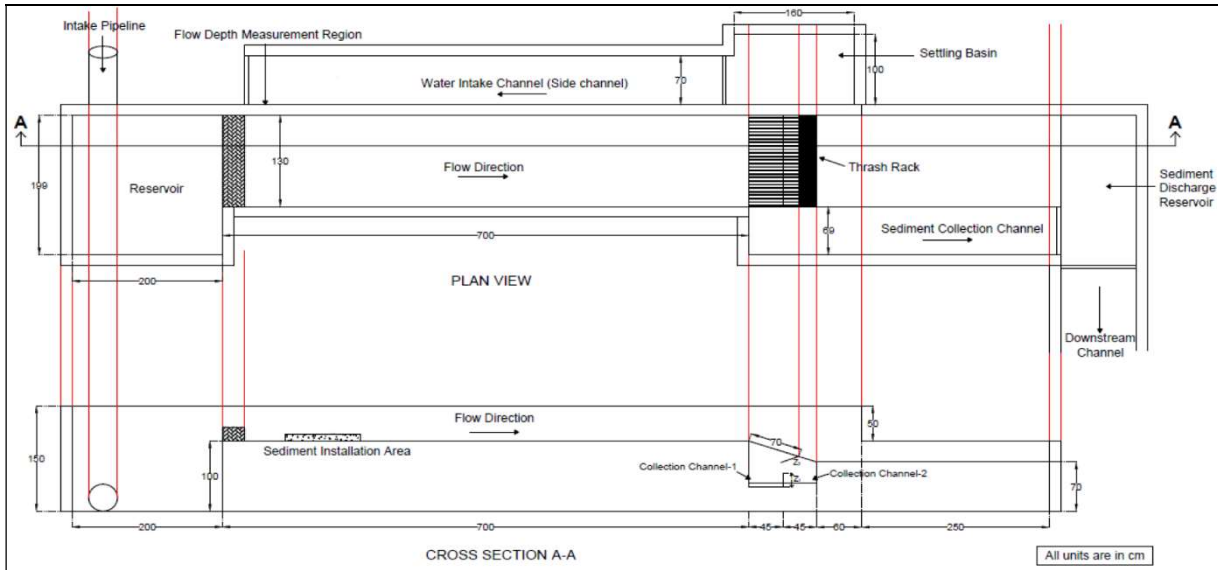




Hydraulic Model of Beyhan 1 Dam (Triple Water Intake Structure)
Experimental setup for investigating critical submergence at multiple intake structures.



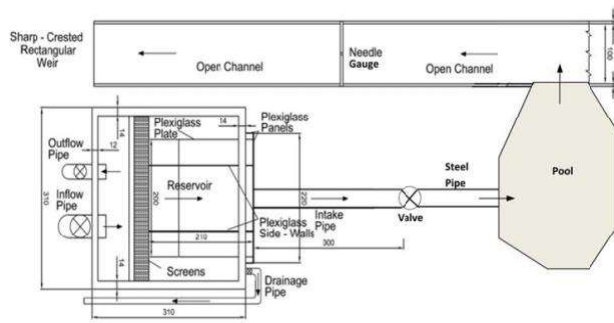
Hydraulic Model of Upper Kaleköy Dam Spillway
Experimental setup for investigating optimal spillway design.



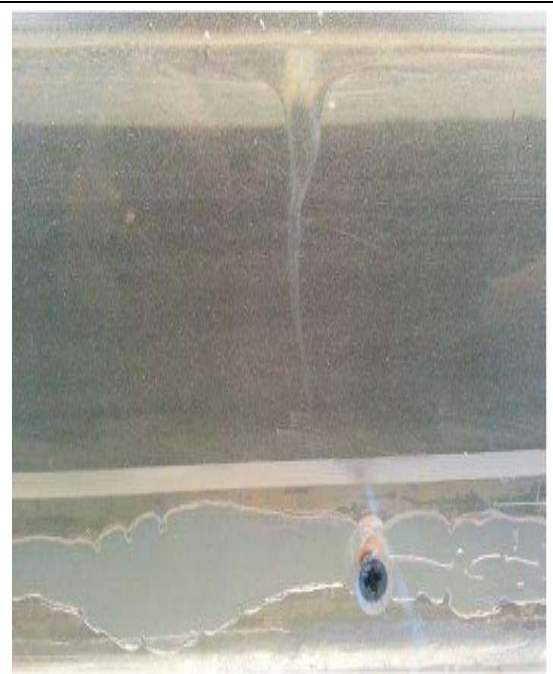
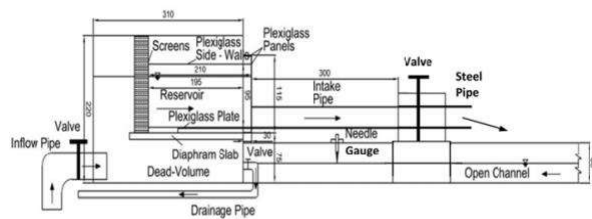
Tyrolean Water Intake Model
Experimental setup for investigating optimal design of the Tyrolean water intakes.



Plan view



Side view



Experimental Setup for Investigating Vortex Formation in Reservoirs
Experimental setup for investigating critical submergence at single intake structure.

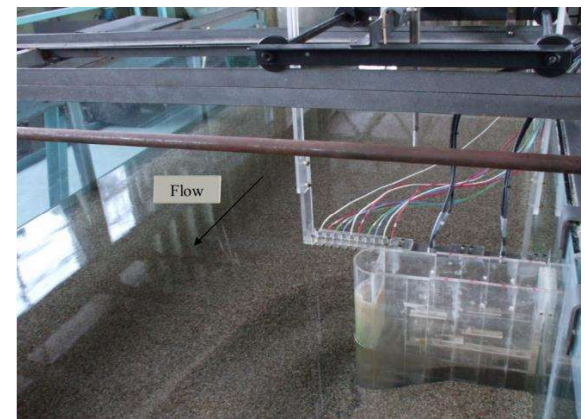
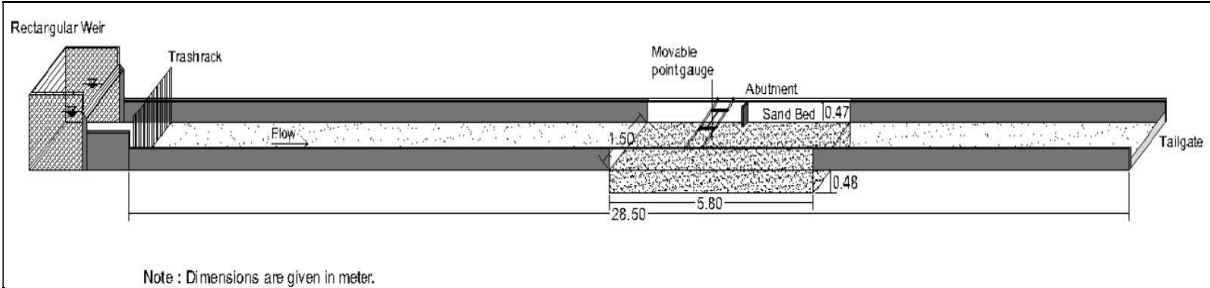


Hydraulic Model of Lower Kaleköy Dam
Experimental setup for investigating optimal spillway design.



Tilting Flume Channel

Experimental setup for investigating vegetation effect in open channels.

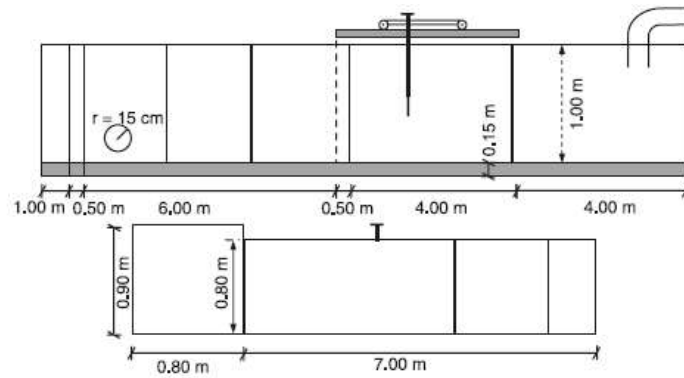
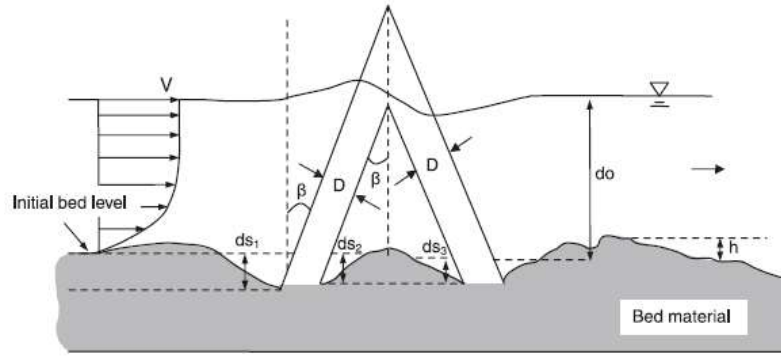


Fixed Slope Open Channel (Sediment Channel)
Experimental setup for investigating local scours around bridge elements.

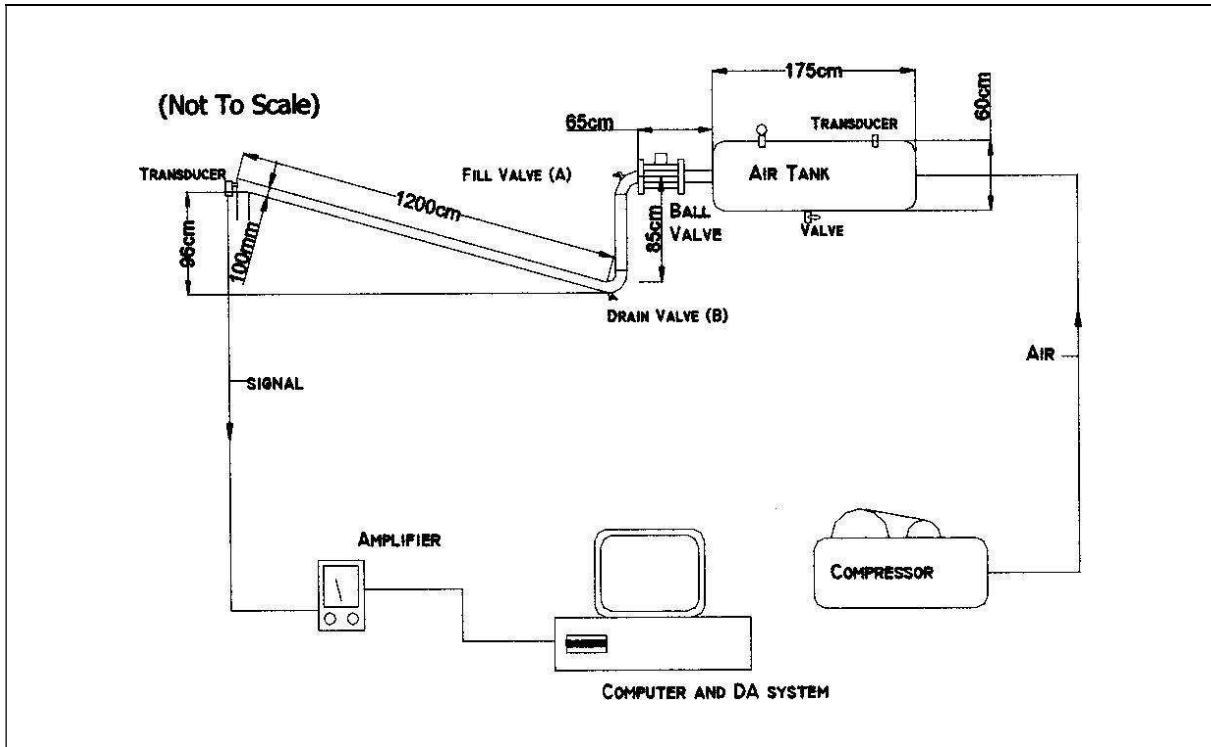


Landslide Setup

Experimental setup for investigating water waves due to landslide into the reservoir.



Sediment Channel for Studying Scour Around Vertical and Inclined Piers
Experimental setup for investigating local scours around bridge piers.



Liquid Slug Hydrodynamics Setup

Experimental setup for investigating liquid slug impact on the pipe elements such as an elbow in close conduits driven by the high pressure air.