

Hydraulic Lab.



Engineering Growth Connection



Our equipment of Hydraulic Engineering Lab. explains the principles of continuity, momentum and energy applied to fluid motion. Use "Computer Controlled Pumps etc." designed and developed by K.C. Group.

Fluid Mechanics Lab. (Closed Circuit Apparatus)

- * KCHD-001 BERNOULLI'S THEOREM APPARATUS
- * KCHD-002 FLOW THROUGH ORIFICE AND MOUTH PIECE
- * KCHD-003 DISCHARGE OVER NOTCHES
- * KCHD-004 IMPACT OF JET ON VANES
- * KCHD-005 LOSSES DUE TO FRICTION IN PIPE LINES
- KCHD-006 LOSSES DUE TO PIPE FITTINGS, SUDDEN ENLARGEMENT & CONTRACTION
- * KCHD-007 DISCHARGE THROUGH ORIFICEMETER
- * KCHD-008 DISCHARGE THROUGH ROTAMETER
- * KCHD-009 DISCHARGE THROUGH VENTURIMETER
- * KCHD-010 DISCHARGE THROUGH VENTURIMETER & ORIFICEMETER
- * KCHD-011 DISCHARGE THROUGH VENTURIMETER, ORIFICEMETER & ROTAMETER
- * KCHD-012 NOZZLE METER TEST RIG
- KCHD-013 REYNOLD'S APPARATUS
- * KCHD-014 PITOT TUBE SETUP
- KCHD-015 CAVITATION APPARATUS
- KCHD-016 LAMINAR FLOW TABLE
- KCHD-017 METACENTRIC HEIGHT APPARATUS
- KCHD-018 CENTER OF PRESSURE APPARATUS
- KCHD-019 ELECTRICAL ANALOGY APPARATUS
- KCHD-020 FORCED VORTEX APPARATUS
- KCHD-021 FREE VORTEX APPARATUS
- * KCHD-022 DARCY'S LAW APPARATUS



- * KCHD-023 STUDY OF PRESSURE MEASUREMENT
- * KCHD-024 BEND METER TEST RIG

Hydraulic Bench & Accessories

- KCHD-051 HYDRAULIC BENCH
- KCHD-052 BERNOULLI'S THEOREM APPARATUS (Hydraulic Bench Accessory)
- KCHD-053 FLOW THROUGH ORIFICE & MOUTH PIECE (Hydraulic Bench Accessory)
- KCHD-054 FLOW OVER NOTCHES (Hydraulic Bench Accessory)
- KCHD-055 IMPACT OF JET ON VANES (Hydraulic Bench Accessory)
- KCHD-056 LOSSES DUE TO FRICTION IN PIPE LINES (Hydraulic Bench Accessory)
- KCHD-057 LOSSES DUE TO PIPE FITTINGS, SUDDEN ENLARGEMENT & CONTRACTION (Hydraulic Bench Accessory)
- KCHD-058 VENTURIMETER & ORIFICEMETER (Hydraulic Bench Accessory)
- KCHD-059 REYNOLD'S APPARATUS (Hydraulic Bench Accessory)
- KCHD-060 PITOT TUBE SET-UP (Hydraulic Bench Accessory)
- KCHD-061 METACENTRIC HEIGHT APPARATUS (Hydraulic Bench Accessory)
- KCHD-062 STUDY OF PRESSURE MEASUREMENT (Hydraulic Bench Accessory)

Fluid Machinery Lab. (Closed Circuit Apparatus)

- KCHD-101 CENTRIFUGAL PUMP TEST RIG
(With Variable Speed Swinging Field Dynamometer)
- # KCHD-102 CENTRIFUGAL PUMP TEST RIG (With Variable Speed)
- * KCHD-103 CENTRIFUGAL PUMP TEST RIG (With Three Prefixed Speeds)
- * KCHD-104 CENTRIFUGAL PUMP TEST RIG
(Multi Stage, Variable Speed, Series & Parallel System)
- KCHD-105 RECIPROCATING PUMP TEST RIG
(With Variable Speed Swinging Field Dynamometer)
- # KCHD-106 RECIPROCATING PUMP TEST RIG (With Variable Speed)
- * KCHD-107 RECIPROCATING PUMP TEST RIG (With Three Prefixed Speeds)
- KCHD-108 GEAR PUMP TEST RIG (With Variable Speed Swinging Field Dynamometer)
- # KCHD-109 GEAR PUMP TEST RIG (With Variable Speed)
- * KCHD-110 GEAR PUMP TEST RIG (With Three Prefixed Speeds)
- * KCHD-111 SUBMERSIBLE PUMP TEST RIG
- * KCHD-112 JET PUMP TEST RIG
- KCHD-113 HYDRAULIC RAM TEST RIG
- * KCHD-114 PELTON WHEEL TURBINE TEST RIG
- * KCHD-115 FRANCIS TURBINE TEST RIG
- * KCHD-116 KAPLAN TURBINE TEST RIG

Miscellaneous

- KCHD-151 CENTRIFUGAL BLOWER TEST RIG (With Variable Speed)
- KCHD-152 CENTRIFUGAL BLOWER TEST RIG (With Three Prefixed Speeds)
- KCHD-153 AXIAL FAN TEST RIG (With Variable Speed)
- KCHD-154 AXIAL FAN TEST RIG (With Three Prefixed Speeds)
- * KCHD-155 WIND TUNNEL TEST RIG (With Variable Speed)
- * KCHD-156 SINGLE STAGE AIR COMPRESSOR TEST RIG
- * KCHD-157 DOUBLE STAGE AIR COMPRESSOR TEST RIG

Flow Channels

- * KCHD-201 FIXED BED FLOW CHANNEL
- * KCHD-202 TILTING BED FLOW CHANNEL

Others : -

- KCHD-251 HYDROLOGY APPARATUS
- KCHD-581 PIPE SURGE & WATER HAMMER APPARATUS (With Data Logging Facility)
- KCHD-582 FLUID FRICTION APPARATUS (with Data Logging Facility)

* Also available with Data Logging Facility.

Also available with Data Logging Facility or Computer Controlled System



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