

ENERGY LOSSES IN BENDS AND FITTINGS TRAINER

Model Number : GOTT-OELBFT-01



DESCRIPTION

GOTT-OELBFT-01 is designed to help students in determine the loss factor for flow through a range of pipe fittings including bends, a contraction, an enlargement and gate valve. In order to make GOTT-OELBFT-01 function, this equipment must be placed in the channel of the hydraulic bench. This equipment has two regulated valves that placed in the outlet of the pipe. The last one is called Flow control valve VCC and it is used to study the loss energy in two different conditions; pressurized condition and atmospheric condition. This equipment has twelve manometric pipes and two Bourdon manometric of 0 to 4 bar. The pressurization of the system is made as air manual pump. The hydraulic circuit has pressure taking along the pipes that allows us to measure the loss energy in different elements. The installation of this equipment has not required any additional elements. For this experiment, the hydraulic bench will be used together with the Energy Losses in Bends and Fitting Apparatus. Stopwatch, clamper for pressure tapping, spirit level and thermometer will be used.

FEATURES

- Circuit with four bends of different radii
- Enlargement, contraction and gate valve, plus flow control valve
- Manometer board with 12 tubes plus differential pressure gauge
- Hand pump for pressurization of manometers
- Quick release fitting for easy connection to hydraulics bench

SPECIFICATIONS

- Manometer
 - Bourdon type: 0 – 4 bars
 - Differential manometer: 0 -520mm
- PVC Rigid pipes
 - Interior diameter: 28.2mm
 - Exterior diameter: 33.2mm
- Flexible pipe
 - Pressure taking- differential Manometer. External diameter: 10 mm
 - To pressurize the equipment. External diameter: 6 mm
- Widening
 - Diameter: 28.2/33.2mm
- Narrowing
 - Diameter: 33.2/28.2mm
- Valves
 - Membrane Valves diameter: 28.2mm
 - Air return: 6mm

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
ENERGY LOSSES IN BENDS AND FITTINGS TRAINER	GOTT-OELBFT-01	200-018

* Proposed design only, subject to changes without any notice