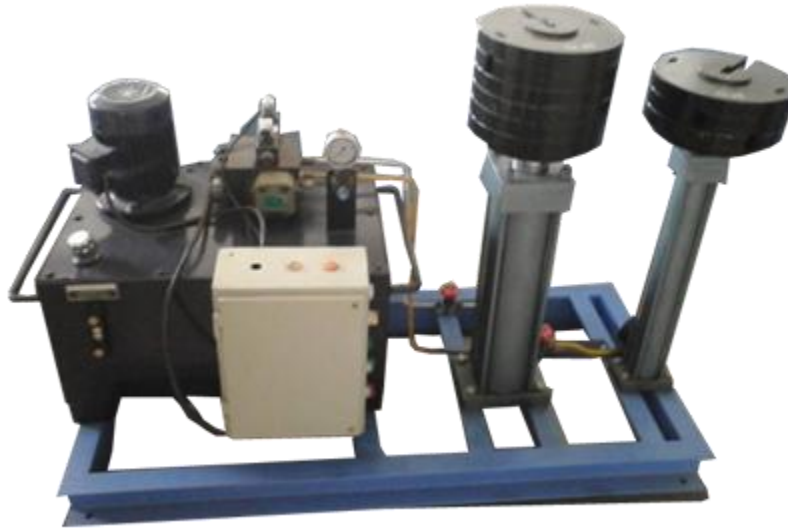


FPL-006 HYDRAULIC INTENSIFIER TEST RIG



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

- a. To study the performance of hydraulic Intensifier at various loads

TECHNICAL DESCRIPTION :

It is constructed by mechanically connecting two **pistons**, each working in a separate cylinder of a different diameter. As the pistons are mechanically linked, their force and stroke length are the same. If the diameters are different, the hydraulic pressure in each cylinder will vary in the same ratio as their areas: the smaller piston giving rise to a higher pressure. As the pressure is inversely proportional to the area, it will be inversely proportional to the *square* of the diameter. The working volume of the intensifier is limited by the stroke of the piston. This in turn limits the amount of work that may be done by one stroke of the intensifier. The system is provided with hydraulic power pack for applying pressure.

DIMENSIONS AND WEIGHT :

Size :1.2 m.(L)x 0.6 m(W) X 1.0m (H)

Weight :Approx. 75 Kg

SERVICE REQUIRED :

440 v Ac Supply 50 Hz , Three Phase

Hydraulic Oil : 60 ltrs

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual

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