

# FEW CALI BRATA CALIBRATA

## DIESEL FUEL INJECTION PUMP TEST BENCH



### FEW/PT-8/VAC

- Modular design for frequent testing of F.I.P. pumps with max. accuracy.
- Latest designed measuring panel for easy swivelling at 180°.
- Graduated flywheel with uniform moment of inertia to provide stable rpm.
- Quick Speed Variation by Dial Knob from both sides



AN ISO 9001: 2008 Co.



# CALIBRATA

## FEW/PT-8/VAC

### DIESEL FUEL INJECTION PUMP TEST BENCH

**CALI-BRATA Diesel Fuel Injection pump test Bench**, a most versatile, accurate, reliable, fast in operation, Testing equipment. Designed and developed to meet standard requirements of wider range of modern fuel injection pumps. That is single to multi cylinders, in line (camshaft) as well as all kind of Rotary Distributor type pumps Lucas, Bosch, Delphi, Denso and etc.

**Main drive:** - (1) 7.5 H.P. 3 Phase 440/380 volts 50 Hz 1440 R.P.M. Electric motor with controlled by A.C. Frequency Drive Direct transmission with electric motor without any mechanical variable drive (II) 1 HP 3 Phase 440/380 Volt for oil supply controlled by on/off switch with Gear Pump.

**Speed Control System:** - By, means of A.C. FREQUENCY CONTROLLED PANEL to attain infinitely variable Speed from 0 to 4000 R.P.M. in both the direction CW & ACW by mean of potential regulator.

**Digital tachometer & Stroke Counter:** - Digital electronic tachometer R.P.M. Counter up to 0--9999 R.P.M. with accuracy +/- 1RPM. Multiple stroke counting (1200-100-1200 Stroke) along with pulse counting.

**Swiveling Injector Console:** - Latest designed swiveling injector console illuminated with 8 delivered quantity measuring Points can be swivelled easily by 180 degree for convenient testing of CW & ACW driven injection pumps.

**Fuel Supply & Pressure Phasing:** - By means of soundless gear pump driven & operated through pressure Control valve for gallery oil supply & pressure phasing.

**Test Injector:** - 6 Nos. Tested injector fitted with DN 12 sd 12 Nozzles set at a standard pressure.

**Pressure Gauge:** - Four monometer will be fixed on panel of test stand. (a) Low Pressure 0-6 bar (b) High Pressure 0-60 bar (c) VE inlet - 0-2.5 bar (d) VE inlet/Overflow- 0-16 bar for Indicating Transfer Pressure for Rotary Pump

**Fuel Tank:** - 45 liter capacity of fuel with additional small return tank of dirty oil capacity 5 liters

**Graduated Degree Wheel :-** A degree graduated fly wheel with uniform moment of inertia is provided for stable R.P.M. with maximum torque.

**Graduated Glass Tubes:** - 0-16ml-----8 pieces , 0-75ml-----8pieces

#### **ATTACHMENT & ACCESSORIES:-**

- |                                                            |            |
|------------------------------------------------------------|------------|
| 1. High pressure pipes A Type for inline Pumps             | 6 Nos each |
| 2. High pressure pipes A Type for Rotary Pumps             | 6 Nos each |
| 3. One phasing bar                                         |            |
| 4. Set of perforated trays for keeping tools               |            |
| 5. One back lash free flexible coupling with safe guard    |            |
| 6. Flexible hoses for pump connection                      | 1 Nos each |
| 7. Clamp for quick pump fixing along with mounting bracket |            |

**Note :** - The Power of higher H.P. motor & A.C. drive can be provided according to the requirement of customer on extra cost.

## **FRIENDSCO ENGINEERING WORKS (REGD.)**

**AN ISO 9001: 2008 Co.**

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