



VERITAS Engineering

Catalog
Of

PFI Trainer

Brand: VERITAS

Model: VPFT-001

Technical Specification

Power Supply:

Input: 380V AC, 50 Hz Controlling with MCB;

Capacitor:

- 1 Nos. (1 X 7.5) KVAR Bank of TP, 415V ~ 440V dry type Power Capacitor
- 1 Nos. (1 X 5) KVAR Bank of TP, 415V ~ 440V dry type Power Capacitor
- 1 Nos. (1 X 2.5) KVAR Bank of TP, 415V ~ 440V dry type Power Capacitors
- 1 Nos. (1 X 1) KVAR Bank of TP, 415V ~ 440V dry type Power Capacitors

Auxiliary Device:

- 1 No. Automatic Power Factor Correction Relay with interlocking auxiliary relay
- 4 Nos. TP Magnetic Contactors of adequate rating
- 4 Nos. MCB of adequate rating
- 4 Nos. Indicating Lamps for Automatic indication.
- 1 No. Selector switch for Automatic & Manual operation
- 1 Set Selector switch for Manually Load Connection
- 1 Set Selector switch for Manually Capacitor Bank Connection
- 1 Set of Control fuses
- 4 Nos. Bus-Bar Isolated from body with Bus Insulator
- 1 Nos. MCB for Power Input Connection

Load:

- 1 Set Inductive Load (0.25 KVAR , 0.5KVAR, 0.75KVAR, 1KVAR)
- Connection with Bus-bar by Magnetic Contactor & MCB
Controlling with Selector Switch

Meter:

- 1 No. Analog Power Factor meter

Size:

Feet x 2 Feet x 5 Feet



Practical list:

1. Observe the Construction of a PFI Plant
2. Design and Calculation of Capacitor, Magnetic Contractor & MCB of a PFI Plant
3. Manually Power Factor Improving by using pure Capacitor (0 – 16KVAR)
4. Automatically Power Factor Improving by using pure Capacitor (0 – 16KVAR)