



ZM-SERIES

CORPORATE OFFICE

ZChem Specialities Pvt. Ltd.,
Sy.No. 11/2/6, Puradapalya village, Tavarekere Hobli,
Bangalore, Karnataka - 562130, INDIA

OVERSEAS OFFICE

ZChem Specialities BFC
BLB-S5-384, Ajman Media City
AJMAN - UAE



ZM-100 MPI Power Pack

PRODUCT DATA SHEET

Mobile Power Pack

ZChem[®] understands some parts cannot be moved so the magnetizing station needs to be brought to the part. The M-Series offers a solution by providing an adaptable mobile unit. These units feature AC or Full Wave DC output. Output rating is based on the load specified.

The ZM-100 for long cable output is designed for applications in which the power source cannot be close to the inspection piece. This unit is designed to work with long cable lengths necessary for inspecting large parts (i.e. power generator parts).



Standard Features

- Input supply - 380-415V, 50Hz, 3 Phase.
- 2 Bus Bars for connection
- Maximum output of **10,000 Amps – DC** . (5Mtrs, 120 Sq.MM Cables shot in parallel)
- Maximum output of **8000 Amps – AC** . (5Mtrs, 120 Sq.MM Cables shot in parallel)
- Push Button switch or remote pendent for Mag
 - Momentary–magnetizes as long as button is pushed
- Push Button switch for Demag
 - One touch auto cycle
 - Switches to decaying AC automatically
- Remote Pendent with 10 Meters Cable - This reduces the overheating of the transformers and increases performance of the power pack.
- Push Button switch for ON/OFF

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- Fabricated body mounted on revolving castor wheels.
- Safety Interlocking limit switch for AC/DC.
- 230 V auxiliary supply
- Digital Ammeter readings with **HMI screen**
- Provision for Remote Control Assembly
- Infinitely variable Thyristorized magnetising current control.
- Inbuilt Cooling system

Demagnetisation: Inbuilt **ONE** Push Demag

Additional option of having 2 SOURCES

Output terminal – Common – 2 Nos

Source 1 – Common & (AC/DC) – Central Conductor

Source 2 – Common & (AC/DC) - Coil



Benefits

- Provision for quick changing over of cables from AC to DC
- Easy to maintain side panels.
- Ability to move the Equipment to the part of the inspection
- Rugged handle to push the equipment.
- Provision to hang the cables on the equipment.

Product Properties

Unit	ZM-100
Magnetizing Current	10000 A AC/FWDC
Voltage	380-415 V
Frequencies	50 Hz

Specification Compliance

ASTM E1444, ASTM E3024, ASTM E3024M, ASTM E709 & ASME B&PV Sec. V

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