

MECHANICAL FLOW METERS

HZ3 & HZ5 Oil Flow Meters



HZ3 OIL METERS

CODE

THE **HZ3** OIL METER GIVES ACCURATE FLOW TOTALISATION FOR DOMESTIC INSTALLATIONS. IT MAY BE INSTALLED IN CENTRAL OIL SYSTEMS IN PRESSURE AND SUCTION PLANTS AS WELL AS SINGLE PIPE SYSTEMS. THE METER IS CHARACTERIZED BY A HIGH MEASURING ACCURACY, THUS MAKING IT SUITABLE FOR THE RESALE OF OIL. IT REQUIRES NO SERVICING AND MAY BE EASILY INSTALLED INTO EXISTING SYSTEMS. APART FROM FUEL OIL, IT MAY BE USED FOR THE MEASUREMENT OF DIESEL OILS, MINERAL OILS AND PETROL, AS WELL AS SMALL LIQUID MEASUREMENT IN LABORATORIES.

THE HZ3 OIL METER OPERATES BY A FLEXIBLE DIAPHRAGM MOVING BETWEEN TWO MEASURING CHAMBERS, WITH A SEALED MAGNETIC DRIVE TO GEARED OPERATING POINTER AND NUMBERED REELS ON THE REGISTER (TO 1/100 PART LITRE). EACH METER IS INDIVIDUALLY CALIBRATED ONCE MANUFACTURED AND ALL COMPONENTS ARE THEN HOUSED IN A STEEL CASING.

TECHNICAL SPECIFICATION

Measuring Accuracy	+/-0.5%
Flow Range (Approved by Calibration Authorities)	0.18-12 L/h
Flow Range Actual	0 to 30 L/h
Display	0.1-999991
Nominal Pressure	7 Bar
Pressure Loss	200 mm WC
Temperature Range	0-40°C
Connecting Thread	1/4"
Weight	1.5 Kg (1.65 Kg when full of Oil)

THE HZ3 OIL METER MUST BE INSTALLED IN THE UPRIGHT POSITION AND ON GRAVITY FEED REQUIRES A MINIMUM HEAD OF 300MM TO ENSURE CORRECT OPERATION. THIS METER WAS FIRST INSTALLED IN THE UK IN 1966 AND ORIGINAL GALLON REGISTER UNITS ARE STILL WORKING SATISFACTORILY TO THE PRESENT DAY. TYPICAL APPLICATIONS INCLUDE MOD BASES, RENTED OR HOLIDAY HOMES, BLOCKS OF FLATS, ETC.

1/4"

OE 0045



HZ5 OIL METERS FOR HEATING SYSTEMS

THE **HZ5** FUEL OIL METER NEEDS NO MAINTENANCE OR ATTENTION OTHER THAN CLEANING THE DIRT TRAP REGULARLY. THE BURNER IS IN NO WAY AFFECTED OR IMPAIRED BY THE FUEL OIL METER. FOR METERS WITH REMOTE COUNTER UNITS.

TECHNICAL SPECIFICATION

Measurement Accuracy	±1%
Flow Range	0.7 to 40 L/h = 0.6 to 34 Kg/h
Boiler Capacity	7 kW to 400 kW
Display Integrated	0 to 99999.98 l
Rated Pressure	25 Bar
Fitted Thread	Threaded Hole DIN 3852 - X - G1/8
Differential Pressure	0.05 to 0.2 Bar
Fuel Oil Types	EL
Temperature Range	-5° to + 70°
Dimensions	60 x 60 x 85 mm
Weight	0.6 Kg

1/8"

OE 0046