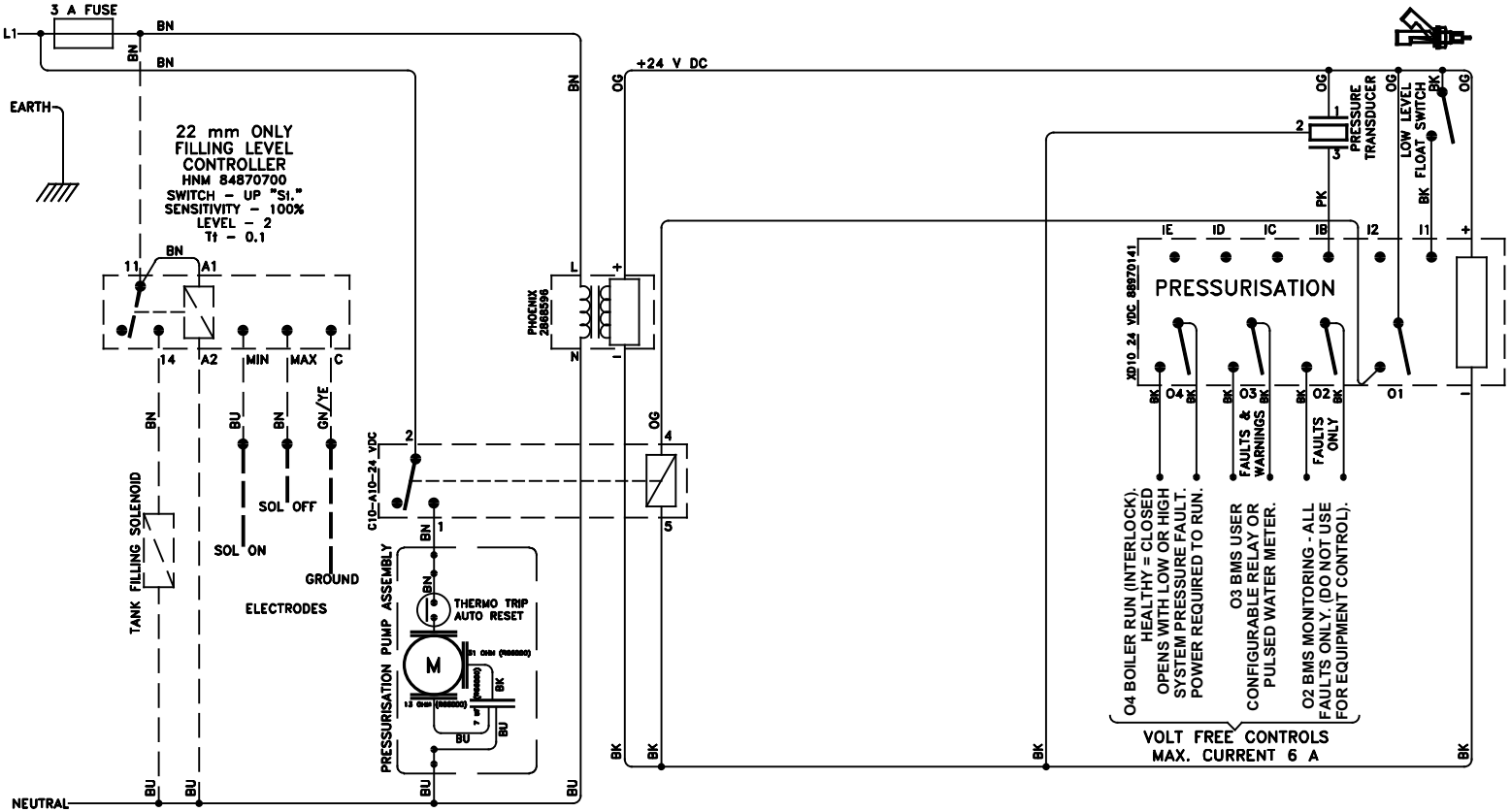
DATE
TESTED BY

SUPPLY VOLTAGE – 230 V
SUPPLY FUSE – 5 A ANTI SURGE / 6 A MCB
POWER MFD15 – 545 W
POWER MFD22 – 555 W



OPERATION

THE PUMP IS CONTROLLED BY A MICROPROCESSOR CONTROLLER AND RELAY. A PRESSURE TRANSDUCER MONITORS SYSTEM PRESSURE. WHEN THE SYSTEM PRESSURE DROPS BELOW THE SWITCH-ON PRESSURE, THE PUMP STARTS (AFTER 50 SEC.) AND STOPS ONCE THE SYSTEM PRESSURE REACHES THE SWITCH OFF-PRESSURE. A LOW LEVEL FLOAT SWITCH VIA THE CONTROLLER CUTS POWER TO THE PUMP WHEN THE CISTERN IS ALMOST EMPTY. THE CONTROLLER PERFORMS A DAILY ANTI SEIZE PUMP PULSE AND A WEEKLY PUMP PRESSURE TEST.

22 mm ONLY – CISTERN FILLING IS VIA NORMALLY CLOSED SOLENOID VALVE CONTROLLED BY A LEVEL CONTROLLER. THE RELAY ENERGISED LED ILLUMINATES WHEN THE SOLENOID IS POWERED. THE SOLENOID OPENS ONCE THE WATER HAS DROPPED BELOW THE "SOL ON" ELECTRODE AND CLOSES ONCE THE "SOL OFF" ELECTRODE IS SUBMERGED.

Arrow Valves

arrowvalves.co.uk
AM164B 21/11/12

WIRING DIAGRAM – MFD15 & MFD22 MIDI-FILL DIGITAL

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TITLE: MFD MIDI-FILL DIGITAL WIRING DIAGRAM

DRN: SHG | CHECKED BY: | DATE:

MATERIAL: CARD 160 g/sqm
FINISH: LAMINATED
SCALE: 100%
DRG No: AM164B
DATE: 21/11/12