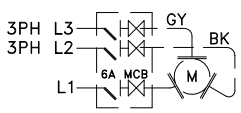
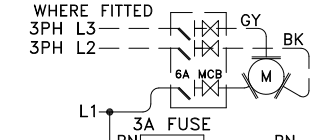
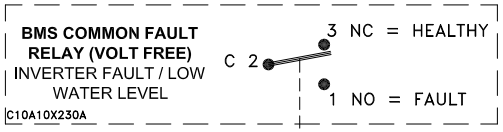


5–10 & 5–16 PUMPS ARE 3PH MCBs FITTED TO DUAL PUMPS MODELS ONLY

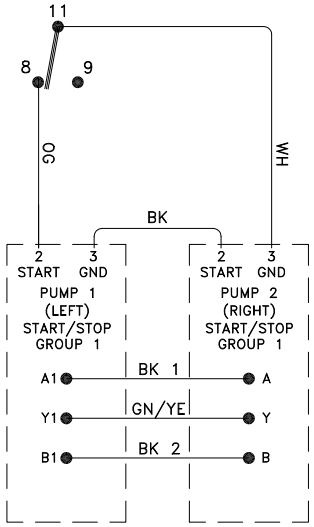


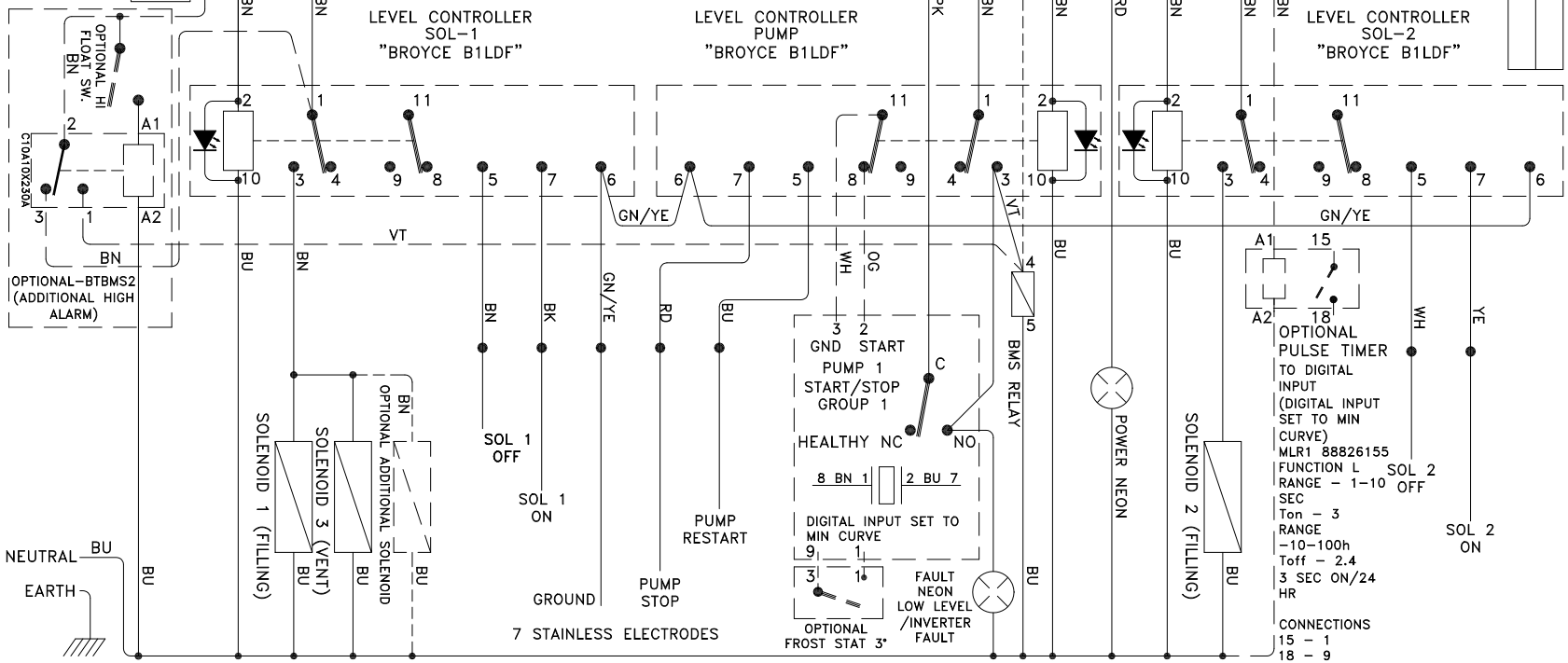
MCBs FITTED TO DUAL PUMPS MODELS ONLY



TESTED BY	
DATE	

LEVEL CONTROLLER PUMP "BROYCE B1LDF"





OPERATION – DUAL PUMPS DUTY ASSIST

DUAL PUMPS – ARE "DUTY ASSIST", WHERE SECOND UPON MAY RUN IN ADDITION TO FIRST PUMP IF REQUIRED. AUTOMATIC – ALTERNATE PUMP STARTING, PUMP ISOLATION OF FAULTY PUMP.

OPERATION

CISTERN FILLING IS VIA TWO NORMALLY CLOSED SOLENOID VALVES CONTROLLED BY "SOL 1" AND "SOL 2" LEVEL CONTROLLERS. THE LED ILLUMINATES WHEN THE SOLENOID IS POWERED. SOLENOID 1 OPENS ONCE THE WATER HAS DROPPED BELOW THE "SOL 1 ON" ELECTRODE AND CLOSES ONCE THE "SOL 1 OFF" ELECTRODE IS SUBMERGED. IF SOLENOID 1 CANNOT MEET THE DEMAND SOLENOID 2 OPENS ONCE THE WATER HAS DROPPED TO "SOL 2 ON" LEVEL.

THE PUMP IS CONTROLLED BY A PRESSURE TRANSDUCER AND LOW LEVEL "PUMP" CONTROLLER. THE "PUMP" CONTROLLER CUTS POWER TO THE PUMP IF THE CISTERN IS ALMOST EMPTY. THE LED ILLUMINATES WHEN THE "PUMP STOP" ELECTRODE IS EXPOSED – THE PUMP STOPS. THE PUMP RESTARTS ONCE THE "PUMP RESTART" ELECTRODE IS SUBMERGED. ONCE THE PRESSURE VESSEL IS RECHARGED AND NO FLOW IS DETECTED, THE PUMPS RUNS SLOW FOR A PERIOD THEN STOPS.
OPTIONAL – PULSE TIMER, OPERATES THE PUMP FOR 3 SEC EVERY 24 HOURS TO AVOID PUMP SEIZURE / HIGH ALARM FLOAT SWITCH / FROST STAT RUNS PUMP.
GO TO arrowvalves.co.uk FOR FAULT FINDING CHART.

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AM108G 05/04/12

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TITLE: BT WIRING DIAGRAM VAR SPEED 2 SOL

MATERIAL: CARD 160 g/sqm

FINISH: LAMINATED

SCALE: 100%

DRN: SHG | CHECKED BY: | DATE:

©2012

DRG No: AM108G DATE: 05/04/12

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