










-  Designed to provide cold potable water
-  Alternating start
-  Bespoke design to suit site requirements
-  Stainless Steel pipe-work
-  IP55 Control Panel
-  Optional electronic anti-surge feature
-  Pumps are WRAS approved

## INTRODUCTION

Flow Mech Products' FP variable speed booster sets are designed to deliver constant pressure water supply under widely variable flow demand. Sets are designed to suit the application.

## BASE FRAME

Fabricated from mild steel box section of welded construction. The rigid frame extends beyond the pipe-work to provide both strength and protection to the unit. Paint finish is a durable blue gloss.

## PIPEWORK

Suction and discharge manifolds are stainless steel with isolating valves to each pump suction, isolating and non-return valves to each pump discharge, terminating in manifold valves.

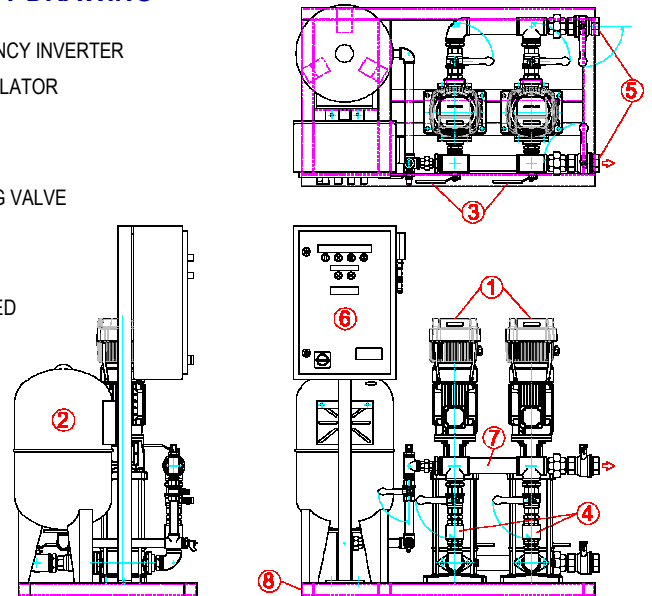
## PANEL

The panel will be IP55 protected. Terminal arrangements for:

- Low level cut-out
- Remote start/stop
- Volt free contacts for inverter trip
- All tested and set before leaving works
- Optional electronic anti-surge control on start/stop or low level lockout

## TYPICAL LAYOUT DRAWING

1. HYDROVAR FREQUENCY INVERTER
2. HYDRAULIC ACCUMULATOR
3. ISOLATION VALVE
4. NON-RETURN VALVE
5. MANIFOLD ISOLATING VALVE
6. CONTROL PANEL
7. 316 S/S PIPEWORK
8. BOX SECTION WELDED
9. BASEFRAME



*Typical Hydrovar Inverter*

## PUMPS

Pumps are WRAS approved, multistage or end suction and can be either vertical or horizontally mounted. All pumps are fitted with Hydrovar inverter drive control units.

## HYDRAULIC ACCUMULATOR

Vessel constructed from mild steel with a powder coating finish, complete with replaceable rubber bladder and stainless steel flange.