

# ELVARO PUMP SET

## MODEL CC5-156

### Combined Tank and Variable Speed CAT 5 Pump Set

*The Elvaro CC5 is a booster set consisting of a variable speed pump for a range of applications. The function of the Elvaro CC5 is to provide a means of maintaining adequate pressure and flow for water system supply applications. The break tank has been designed to provide fluid Category 5 back flow prevention by the use of an AB air gap in accordance with the water regulations. The cistern comes with a screen weir making it suitable for drinking water applications that may require a type AB air gap.*

#### Standard Features

- WRAS approved Polypropylene storage tank.
- Variable speed operated WRAS approved pumps.
- Epoxy coated steel frame.

#### Description

**Storage Tank:** WRAS approved, Polypropylene with an access lid, screened weir, screened overflow, 1¼ inch solenoid operated inlet valve, with a storage capacity of 60litres. Arranged with a Category 5 Type 'AB' as standard.

**Pump:** Xylem Lowara HME multistage horizontal pump, constructed from AISI 304 stainless steel.

**Suction & Discharge:** Suction and discharge manifolds c/w pressure vessel, pump and vessel isolating valves and pump NRV. Suction connected to the storage tank with an isolation valve, discharge terminating in a 1¼" inch BSP Female threaded connection.

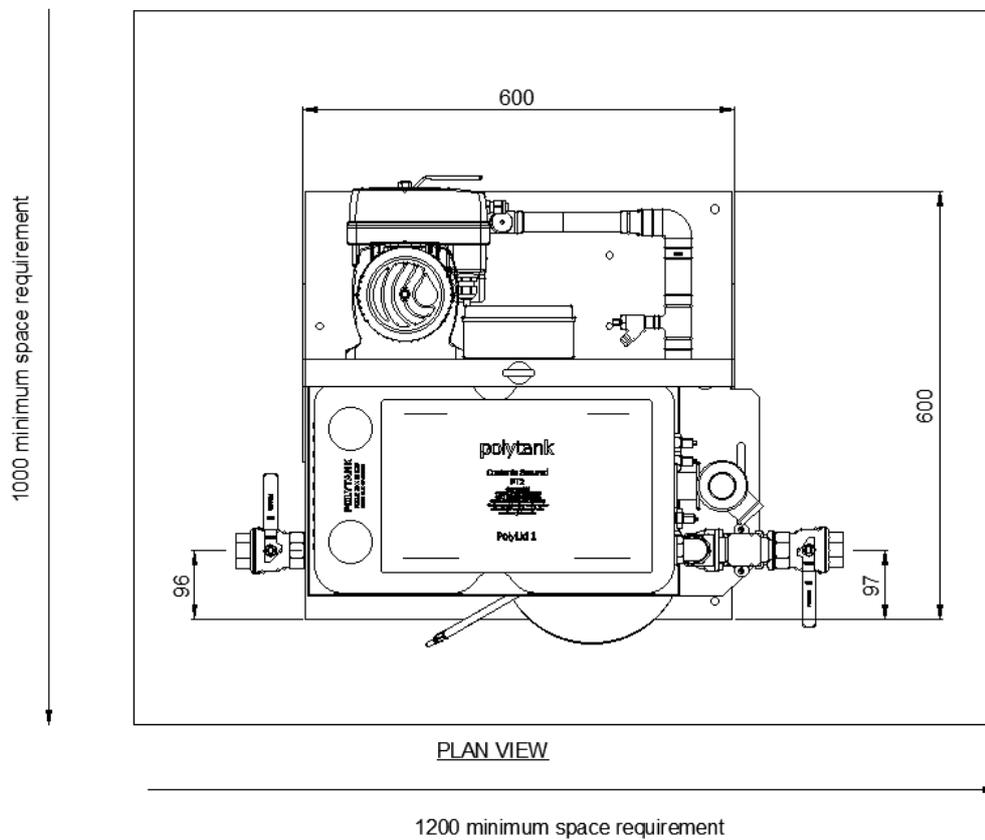
**Controls:** Xylem Lowara e-SM variable speed drives (each pump) fitted above the motor to control the pump with an adjustable set point and provide a constant discharge under automatic operation. A float switch within the tank provides a low-level protection. A common volt-free alarm connection for remote indication is also included.

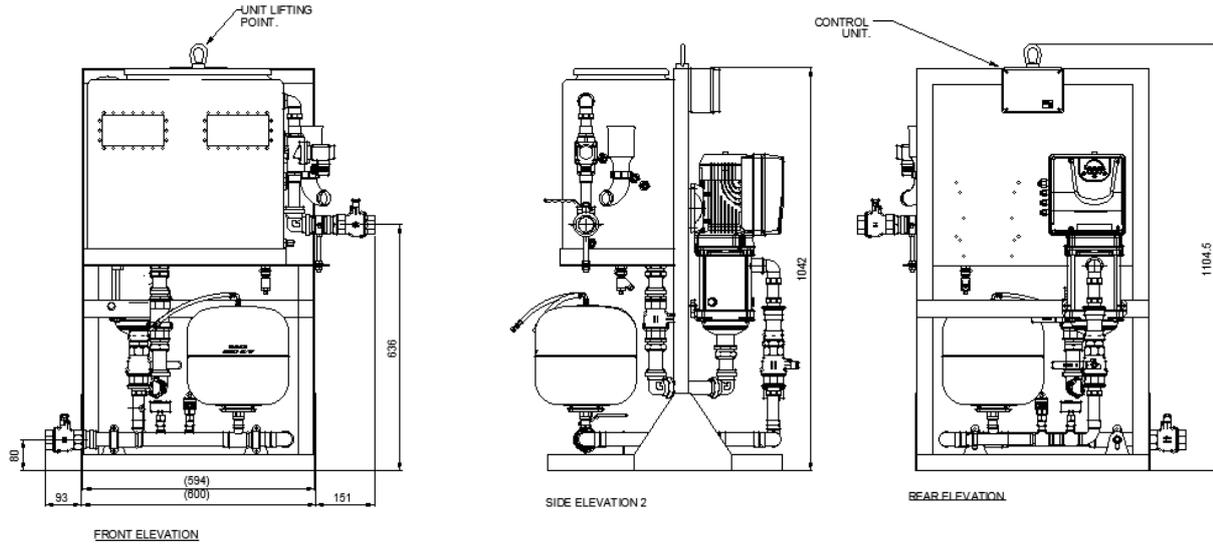
**Power Supply:** 230v/1ph/50Hz

### Technical Details

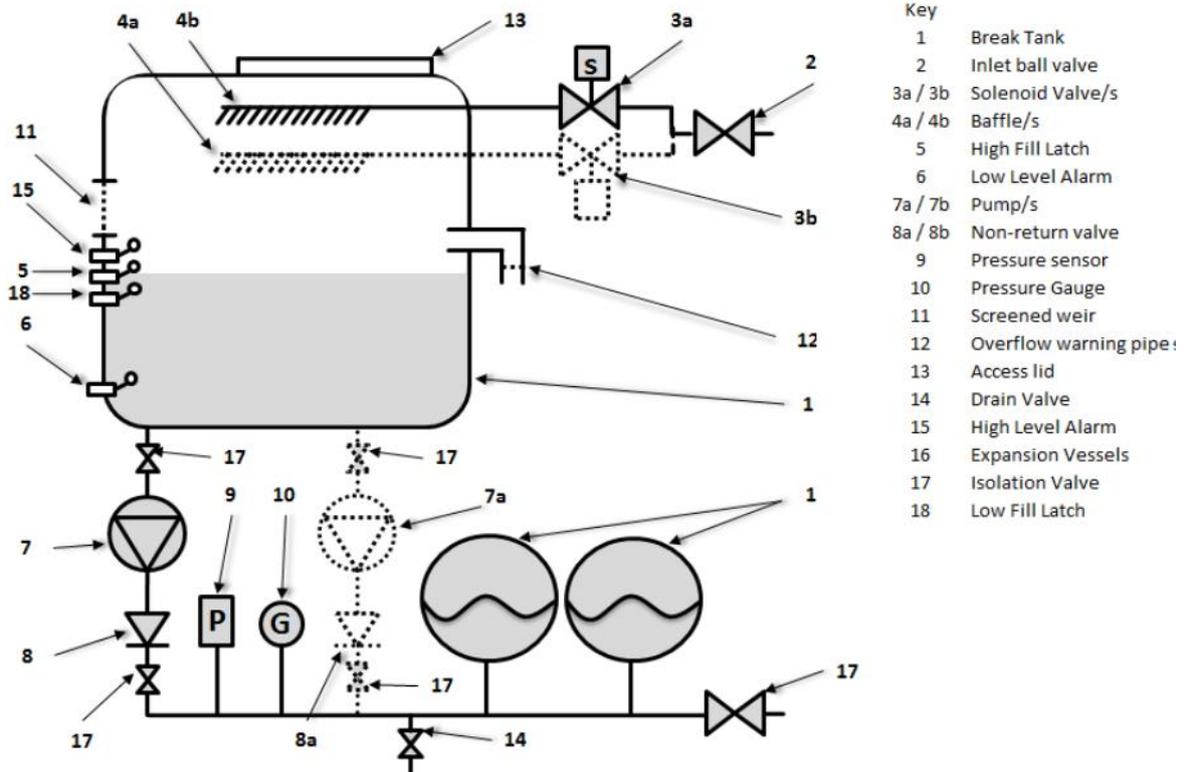
Typical Applications	Domestic, Commercial, Industrial & CAT5 wash-down
Operation	Single pump operation.
Discharge Flow Range	0.75 – 2.65 litres/sec
Discharge Pressure Range	20 – 65 metres. Head
Maximum System Pressure	10.0 bar
Maximum Liquid Temperature	23°C
Control and Electrical Supply	Variable speed and operation control by an inverter drive on each pump. Low water protection via tank mounted float switch. 230v/1ph/50Hz power supply.
Water Storage Tank	(WRAS approved). Capacity 60 litres nominal.
Pressure Vessel	1 no. 12 litre. 10bar MWP
Discharge	Discharge connection 1¼" BSP Female.
Support Frame	Water storage tank and pumps mounted on a welded steel, powder coated support frame.

### Pump Set Dimensions





**Schematic Layout**



**Pump Performance**

**Pump Operation (at full speed)**

<b>PUMPSET MODEL No.</b>	<b>PUMP MODEL</b>	<b>Flow @ 20m.h (l/s)</b>	<b>Flow @ 25m.h (l/s)</b>	<b>Flow @ 30m.h (l/s)</b>	<b>Flow @ 35m.h (l/s)</b>	<b>Flow @ 40m.h (l/s)</b>	<b>Flow @ 45m.h (l/s)</b>	<b>Flow @ 50m.h (l/s)</b>	<b>Flow @ 55m.h (l/s)</b>	<b>CVH (m)</b>	<b>Motor kW (each pump)</b>	<b>FLC @ Full Speed (A)</b>
CC5-156	5HME06S	2.65	2.50	2.25	2.05	1.85	1.65	1.50	1.30	67.0	1.10	5.85

