

Looking ahead,
going beyond expectations
Ahead > Beyond



E-tank Booster Sets



EBARA E-TANK

E-TANK WITH EBARA IDROGO SUBMERSIBLE PUMPS

Overview

The new E-Tank range of variable speed cold water pressure booster incorporating mains water storage break tank is designed to increase the pressure of cold water services within a building. Where, for example, the mains water pressure is insufficient to feed rooftop storage tanks, or where water is stored at low level and needs to be distributed to the upper floors of a building. Sets are fully packaged units with main storage break tank, twin variable speed pumps, arranged in operation as duty with standby or duty and assist configuration. 304 stainless steel delivery manifold and flow through vessel.

Features

- Automatic constant pressure control via integral variable E-speed motor controller
- Transducer pressure sensor per pump for long term reliability and accuracy
- Automatic duty change over of each pump
- Electronic low water cut-out Interface for pump dry running protection and outlet pipe burst alarm
- 2 individual BMS volt free contacts per pump for run and alarm condition
- Individual pump information via four line LED display for pressure, power consumption and alarm conditions
- Power, Run & Alarm LEDs, Stop and Auto Buttons
- Information logs for hours run & number of starts and last 20 alarms with Date & Time Stamp
- Start up wizard for easy initial set up
- Pump wetted parts and pipework manifolds in 304 stainless steel
- IE3 high efficiency pump motors
- WRAS approved pumps and components
- Max flows to 2.6 litre per second at 1.6 bar.
- Max pressures to 5 bar at 1 litre per second.

Control

Automatic control by pump motor external mounted E-Speed variable speed frequency drive with accurate pressure measurement by transducer. Initial set up of the unit is via a simple configuration Start up Wizard, after which the control system provides automatic alternation of duty pump, electronic low water protection, motor overload protection. The controls has an illuminated 4 line digital display for setup, output pressure, pump running speed frequency and motor current in amps, with time and faults alarm notification.

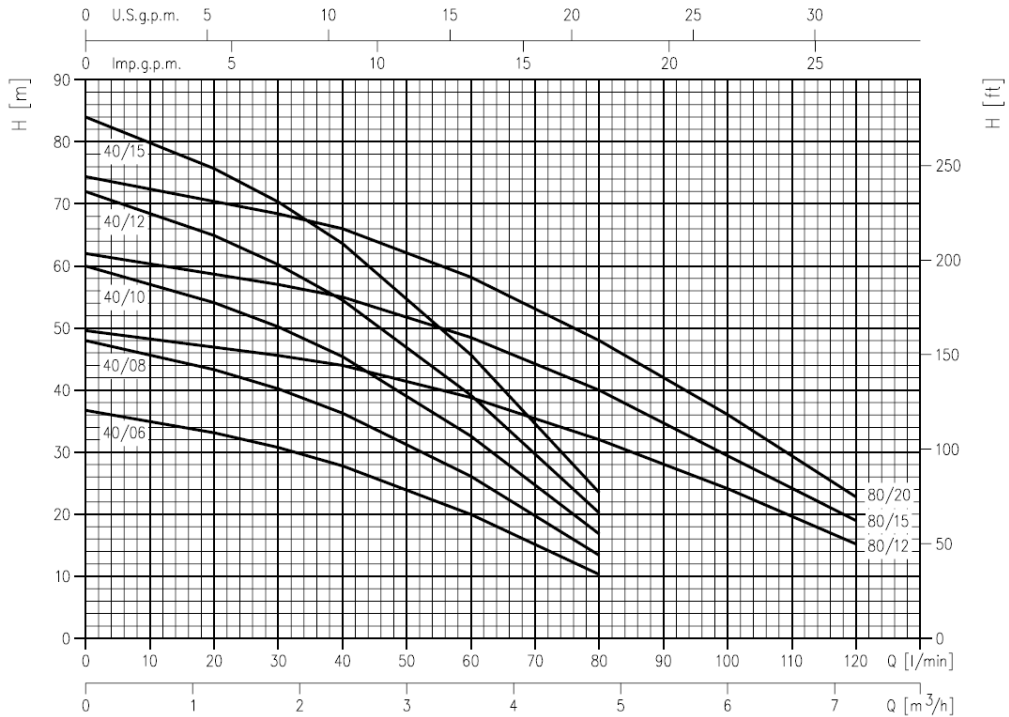
Other features include, pipe burst alarm, over current alarm, motor fault alarm, operational 7 day on/off schedule program, chronological date stamped alarm log, parameter program lock. LED's are also provided for power, pump run and alarm conditions, a key pad for set up and an auto/stop button and also provided. 2 programmable volt-free relay alarm outputs for remote BMS monitoring.

Pipework

Standard manifolds in 304 stainless steel, individual pump isolating valves on the discharge, with non-return valves on each pump.



E-TANK PUMP CURVES



E-TANK OPTIONS

- Single or twin pump configuration
- One or Two piece tanks from 270 to 12000 litres
- Available with 1 phase or 3 phase inverters





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