

# Sub-Tank

## Automatic boosting package



- + LED indicators display line voltage, pump operation and Failure.**
- + Does not require any maintenance or pre-charge (except for pressure switch version).**
- + Adjustable start pressure: 1.5 - 2.5 Bars. Maximum static pressure 1.5 bar.**
- + 95 Ltr or 227 Ltr Actual capacity high density polyethylene break tank (BS4213). WRAS approved.**
- + Byelaws 30 top tank fitted with 1/2" ball valve complying with (byelaw 11) type "AB" air gap, protecting incoming mains supply from class 1 and class 5 designated risk of contamination (byelaws 25).**
- + Kit 05 Pressure stat starts and stops pump automatically and supplies water at a constant pressure.**
- + Other pressure switch with vessel options available, please add £30.**

### Applications

To restore system pressure, when the mains supply is insufficient a pump may be used, however, to comply with water authority byelaws a break tank must be incorporated, as the pump is precluded from direct connection to the mains water supply

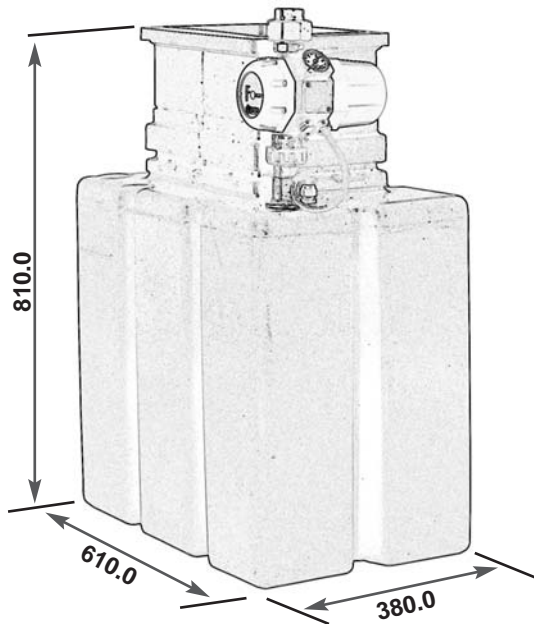
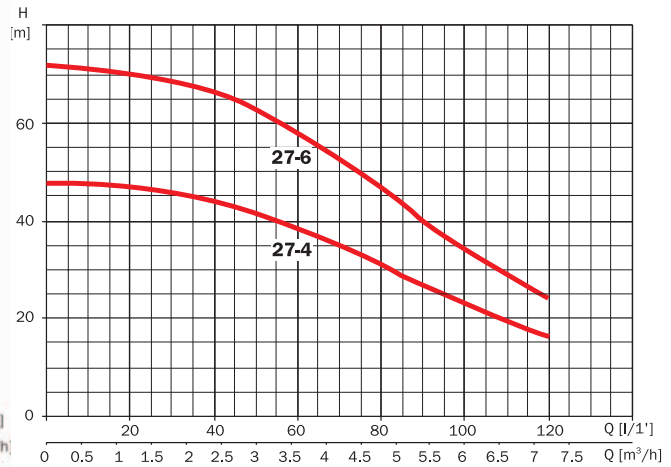
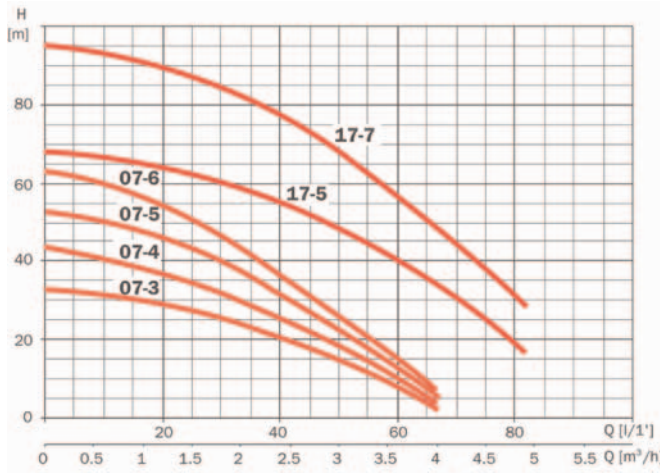
The ESPA Sub-tank system has been designed to solve this problem. A fully automatic unit, the Sub-tank has an Acuaría stainless steel submersible pump incorporated into the break tank giving space saving advantages in small plant rooms or roof spaces. (see pages 2 & 3 for details of pump). Control is provided by a constant pressure device, with built-in pressure gauge (see page 78 for details of control device) or via pressure switch. Electronics prevent starting without water. LEDs display On line, Pump operating and Fault, on pressure stat version. Installation is straight forward with only three connections required.

- + Maximum temperature 35°C.**
- + Complete with insulation jackets**

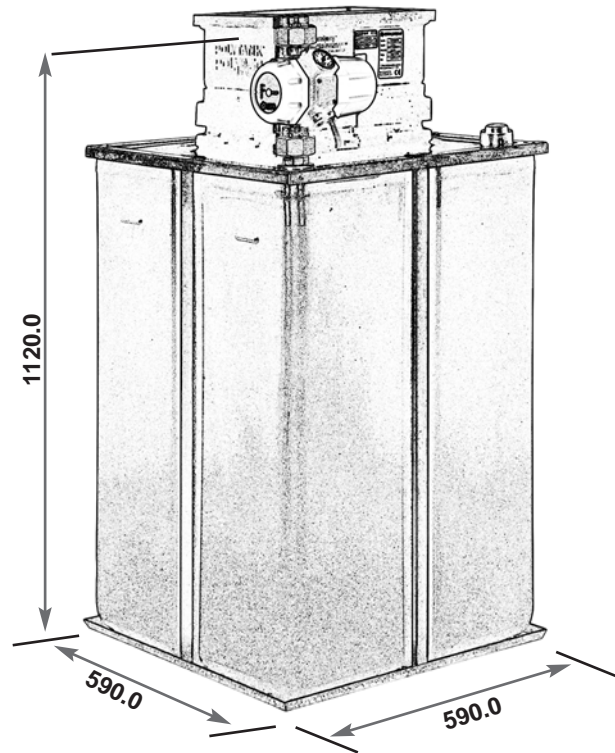
| Single phase                              | Price  |
|---|--------|
| ST07.3/100                                | 884    |
| ST07.4/240                                | 1,231  |
| ST07.5/240                                | 1,248  |
| ST07.6/240                                | 1,263  |
| ST17.5/240                                | 1,325  |
| ST17.7/240 (pressure switch version only) | 1,402  |
| ST27.4/240                                | 1,286  |
| ST27.6/240 (pressure switch version only) | 1,341  |
| Extra 240 ltr tank                        | 344    |
| Extra 240 ltr tank c/w chamber kit        | 489    |
| GRP Housing for sub-tank (Nett price)     | P.O.A. |

# Automatic boosting package

# Sub-Tank



Pressure stat 100 version.



Pressure stat 240 version.



GRP Housing for Sub-Tank

| MODEL               | A     |       | P1 (kW) |      | kW   | HP   | μF |
|---------------------|-------|-------|---------|------|------|------|----|
|                     | 1~    | 3~    | 1~      | 3~   |      |      |    |
|                     | 230 V | 400 V |         |      |      |      |    |
| <b>Acuaría 07 3</b> | 2.8   | 1.2   | 0.6     | 0.6  | 0.37 | 0.5  | 12 |
| <b>Acuaría 07 4</b> | 3.6   | 1.7   | 0.80    | 0.80 | 0.5  | 0.75 | 12 |
| <b>Acuaría 07.5</b> | 4.1   | 1.9   | 0.95    | 0.95 | 0.75 | 1    | 12 |
| <b>Acuaría 07 6</b> | 5.0   | 2.0   | 1.1     | 1.1  | 0.9  | 1.2  | 16 |
| <b>Acuaría 17.5</b> | 7.4   | 2.6   | 1.6     | 1.5  | 0.9  | 1.25 | 16 |
| <b>Acuaría 17.7</b> | 10.7  | 3.8   | 2.2     | 2.1  | 1.5  | 2.0  | 25 |
| <b>Acuaría 27.4</b> | 7.0   | 2.5   | 1.5     | 1.4  | 0.9  | 1.25 | 16 |
| <b>Acuaría 27.6</b> | 10.8  | 3.8   | 2.2     | 2.1  | 1.5  | 2.0  | 25 |

# Sub-Tank

## Variable speed booster package



240.I



408.DI  
Prices on application

- +** 227 Ltr actual capacity high density polyethylene break tank (BS4213). WRAS approved.
- +** Byelaws 30 top tank fitted with 1/2" ball valve complying with (Byelaws 11) type "AB" air gap, protecting incoming mains supply from a class 5 designated risk of contamination (Byelaws 25).
- +** Inverter starts and stops pump automatically and supplies water at a constant pressure.
- +** Prevents starting in the absence of water and avoids water hammer.
- +** Inverter displays rotation, frequency and system pressure.

### Applications

To restore system pressure when the mains supply is insufficient, a pump may be used. However, to comply with water authority byelaws a break tank must be incorporated, as the pump is precluded from direct connection to the mains water supply

The ESPA Sub-tank system has been designed to solve this problem. A fully automatic unit, the Sub-tank has a stainless steel submersible pump incorporated into the break tank giving space-saving advantages in small plant rooms.

An in-line inverter with built-in pressure transducer provides control. Electronics prevent starting without water. Digital displays show On line, Pump operating and Fault.

Installation is straightforward with only three connections required.

| MODEL      | Length | Width | Height | Kg     |
|------------|--------|-------|--------|--------|
| ST07/240.I | 590    | 590   | 1400   | 43 Dry |

- +** Adjustable start pressure: 0.8 – 9.0 Bar.
- +** Maximum temperature 35°C.
- +** For pump curves and electrical details see pages 2 & 3.
- +** The pressure vessel requires a pre-charge with air (0.3 – 0.5 Bar). This charge should be checked and adjusted every three months.

| Single phase                          | Price  |
|---------------------------------------|--------|
| ST07.4/240.I                          | 1,820  |
| ST07.5/240.I                          | 1,838  |
| ST07.6/240.I                          | 1,857  |
| ST17.5/240.I                          | 1,928  |
| ST27.4/240.I                          | 1,885  |
| Extra 240 ltr tank                    | 344    |
| Extra 240 ltr tank c/w chamber kit    | 489    |
| GRP Housing for Sub-Tank (Nett price) | P.O.A. |

All sets are c/w insulation jacket