

# Kit-X 750

Item No G13157, G13159, G13169

## Equipment Specification



- Central electronic control unit for rainwater harvesting or greywater recycling systems with pressurized distribution
- Triple submersible booster pump set, max. flow rate up to 21 m<sup>3</sup>/hr
- Demand orientated booster pump control (cascade principle)
- Demand orientated mains water back-up into storage tank via a solenoid valve and AA-type air gap according to BS 8515/ BS 8525
- Integrated 4-line LCD display for indication of operation status, system pressure, level in rainwater storage tank, run time meter per pump, settings and detailed failure indication
- Volt free contact for alarm signal or general fault message to building management systems (230 V / 6 A max.)
- Control and all components readily wired and pre-installed in a compact steel housing

## Operation

The Kit-X 750 is a fully equipped system with an integrated solenoid valve and electronic control unit which operates the triple submersible pump set. The control unit monitors the water level in the rainwater holding tank via an in-tank level sensor. The submersible pump set supplies the rainwater on demand, via a pressure sensor mounted in the pressure pipe, directly to the application. In the event of rainwater shortage or manual setting, the Kit-X 750 control unit automatically feeds mains water on demand into the storage tank through the integrated solenoid valve (in compliance with BS 8515 / BS 8525). As an automatic maintenance feature and to avoid stagnation in the mains water pipe, the solenoid valve of the mains water back-up system is regularly opened.

## Customized Versions

For applications in greywater or combined rainwater/greywater systems the Kit-X 750 is available with integrated controls and equipment for greywater recycling systems. Further functionalities, customized features and recommended periphery are available on request (e.g. pipe connection sets, expansion vessel, mains-water filter).

## Technical data

### Control Unit

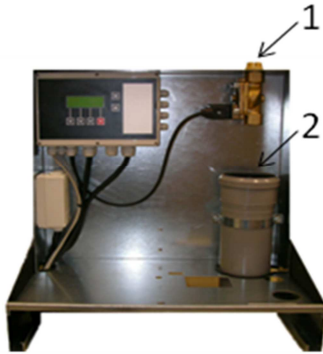
#### Dimensions

Height	550mm
Width	550mm
Depth	320mm

#### Electrical connection for main power supply

Mains power connection	230V 50Hz 20A + 230V 50Hz 16A
Tank level sensor	Hirschmann connector (4-pole), live conductor – brown, neutral conductor – white
Volt free contact (collective fault indicator, optional)*	Max. 230 V / 6 Amp (3 x 1 mm wire), normal open – grey (closer), normal closed – brown (opener), common – black

\*This contact can be connected as normally closed or as normally open.



#### Recommended Periphery:

- 200 L expansion vessel (G15022)
- 1 ½ " Mains water backwash filter (G11094)
- Kit-X 750 connection set

### Pumps

Power Supply (1~230 V)	50-80	30-50	50-50
Max. flow rate [m <sup>3</sup> /h]	21	14	14
Max. pressure head [m]	77	42	72
Motor output [kW]	3 x 1.2	3 x 0.55	3 x 1
Max input current [A] (50 Hz)	3 x 7.8	3 x 4.4	3 x 6.5
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## Dimensions

System	50-80	30-50	50-50
Diameter [mm]	224	224	224
Height [mm]	657	603	630
Weight [kg]	19	17	18.5
Pressure pipe connection	1 ¼" G	1 ¼" G	1 ¼" G

## Pump curves

