

Aqua-Control 800 H

Items No G13120; G13121; G13122; G13123



Typical applications:

- Central electronic control unit for **rainwater harvesting** or **greywater recycling** systems with pressurized distribution and fully automatic water management
- For use with internal above-ground storage tanks for non-potable water use (e.g. toilets, washing machine, irrigation or other)

Features:

- Integrated double booster pump set with multiple staged, horizontal centrifugal pumps, max. flow rate up to 13 m³/h
- Demand-oriented booster pump control (cascade principle)
- Demand-oriented and water efficient mains water back-up via integrated break tank and AA-type air gap (in compliance with BS 8515 / BS 8525)
- Integrated LED display for indication of operation status, system pressure, level in non-potable water storage tank, settings and detailed failure indication
- Possibility of manual changeover to mains water supply
- Volt free contact for alarm signal or general fault message to building management system (230 V / 6 A max.)
- Control and all internal components readily wired and pre-installed in a compact powder coated steel housing

Operation

- The Aqua-Control is a fully equipped control unit with integrated break tank, double booster pump set and electronic control.
- It monitors the water level in the main non-potable water storage tank as well as in the mains back-up break tank.
- The self-priming double booster pump set lifts the non-potable water from the non-potable water storage tank and



supplies it directly to the applications. A supply pump is installed in the storage tank to lift the rainwater from the tank to the control unit.

- In case of non-potable water shortage or manual setting, the Aqua-Control feeds mains water automatically and according to demand into the intermediate tank (in compliance with BS 8515 / BS 8525 / WRAS).
- Generic fault messages to the building management system are possible via volt-free contact. In case of malfunctions the control unit releases a visual and audible alarm signal.

Recommended accessories:

- Expansion vessel, 100l-500l capacity depending on pumping needs (G15021-G15028)
- Y – Mains water filter WRAS-approved 1¼" (G11114)

Technical specification

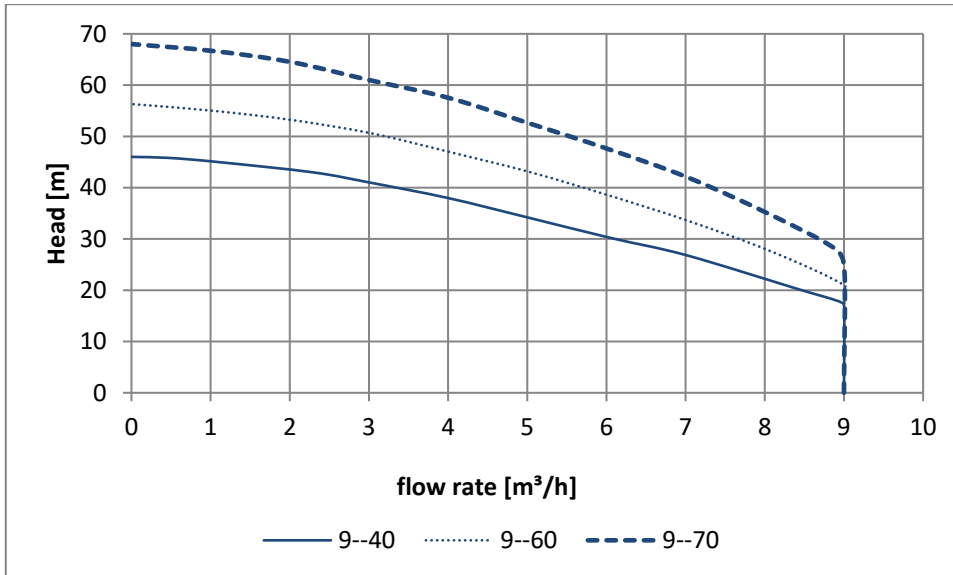
	SP 800 H 9-40	SP 800 H 9-60	SP 800 H 9-70	SP 800 H 14-40	SP 800 H 14-60
Max. flow rate [m ³ /h]	9	9	9	14	14
Max. pressure head [m]	44	55	67	46	58
Input current [A]	2x3.9 (1x230V AC)	2x4.3 (1x230V AC)	2x5.4 (1x230V AC)	2x5.3 (1x ~230V)	2x6.2 (1x~230V)
Motor output P1 [kW]	2x0.75	2x0.90	2x1.14	2x1.10	2x1.33

Dimensions

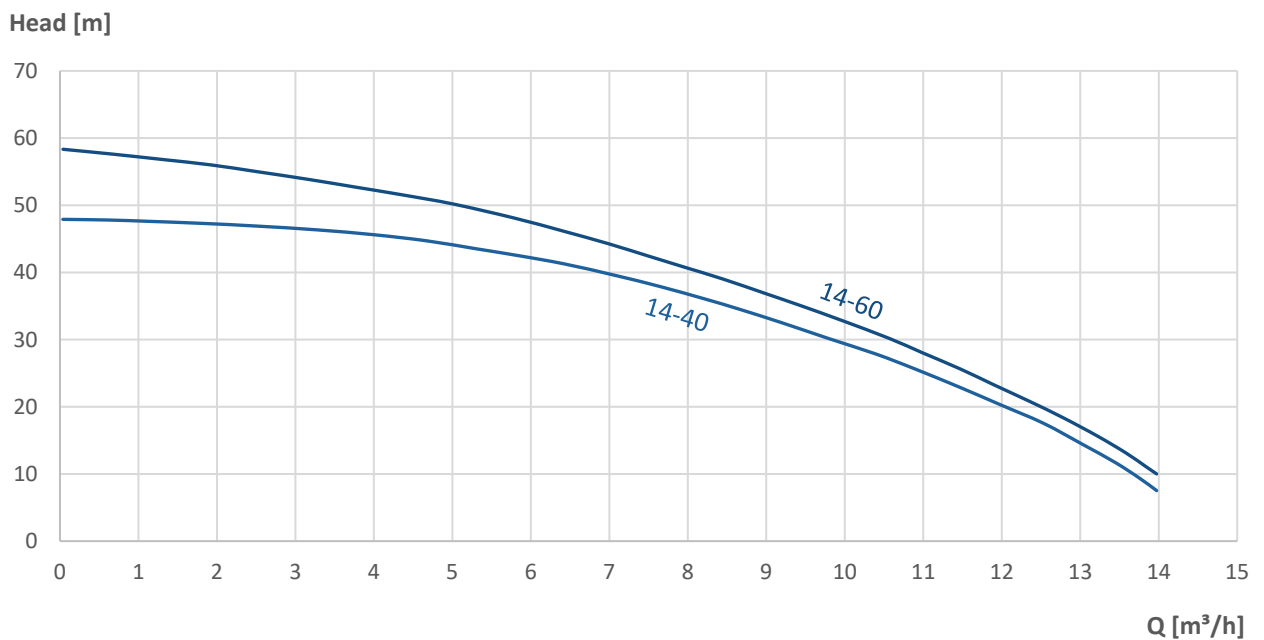
Aqua-Control SP 800 H	9-X	14-X
Width in mm	570	
Depth in mm (with door)	630	
Height in mm (without feet / with feet)	1325-1335	1325-1335
Weight empty	90kg	100kg
Weight max.	180kg	190kg
Pressure line connection	1½"	
Feeder pump connection	1¼"	
Mains water connection	1¼"	
Break tank capacity	100l	
Overflow	Dia. 100 mm	

Pump curves

AQUA-Control 800 H 9-x:



AQUA-Control 800 H (14-X):



Aquality Trading and Consulting Ltd reserves the right to make technical changes.