

Kit-X 500

Item No: G13150 (Kit-X 500 30/50)

Item No: G13151 (Kit-X 500 50/50)

Item No: G13152 (Kit-X 500 40/80)



Equipment

- Control unit incl. mains water back-up for demand oriented mains water back-up into the storage tank
- Two submersible pumps incl. floating extraction
- Pressure sensor to be mounted in the pressure pipe to the applications
- Water level sensor
- Cover white (not shown on picture)

Operation

The pumps are operated in alternation to assure a constant utilisation and therefore an increased live span of the pumps. In case of high water demand the second pump is switched on with a temporary delay. The submersible pumps are monitored by the pressure sensor which is mounted in the pressure pipe.

The level sensor monitors the filling level of the storage tank. If the filling level gets too low the solenoid valve of the mains water back-up is activated and the tank is filled demand orientated. The mains water is fed into the system according to BS 8515 type AA air gap. To keep the solenoid valve functional it is activated every two weeks for 3 x 2 seconds. If the pumps are not operated for ten days they are consecutively switched on for five seconds.



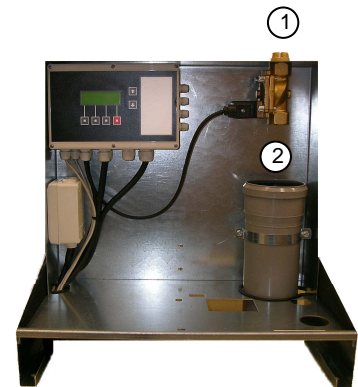
Technical specifications - Control unit

Dimensions

Height	550mm
Width	550mm
Depth	320mm

Water connections for mains water back-up

Supply pipe (to control unit)	①	1" female
Supply pipe (to tank)	②	110mm



Electrical connection for main power supply

1) Mains power connection	230V 50Hz 20A
2) Tank level sensor	Wago connectors (2 x 3-pole), live conductor – brown, neutral conductor – white
3) Volt free contact (collective fault indicator, optional)*	Max. 230 V / 6 Amp (3 x 1 mm wire), normal open – brown (closer), normal closed – grey (opener), common – black

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

Technical specifications – Submersible pumps

Dimensions

	30-50	50-50	40-80
Diameter	224 mm	224 mm	224 mm
Height	603 mm	670 mm	670 mm
Weight	16.7 kg	18 kg	18 kg

Water connections

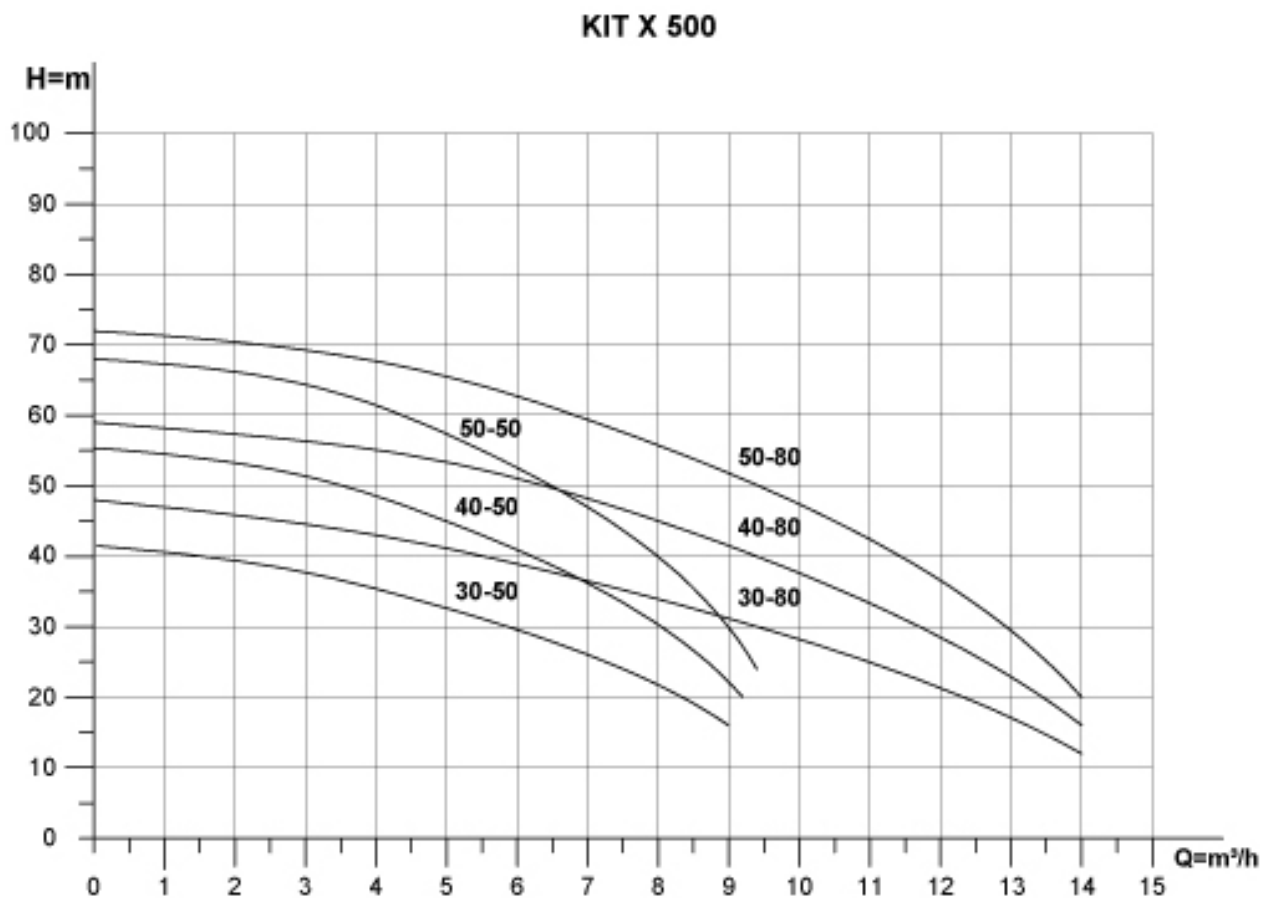
Connections	③	1 ¼ " G
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Hydraulic data and power consumption

	30-50	50-50	40-80
Max. flow rate in m ³ /h	9.6	9.6	14
Max. pressure head in m	42	72	64
Power consumption in kW	2 x 0.940	2 x 1.450	2 x 1.450
Power supply A (single phase 230V / 50 Hz)	2 x 4.4	2 x 6.5	2 x 6.5
Protection fuse (A)	13	20	20
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Pump curves



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