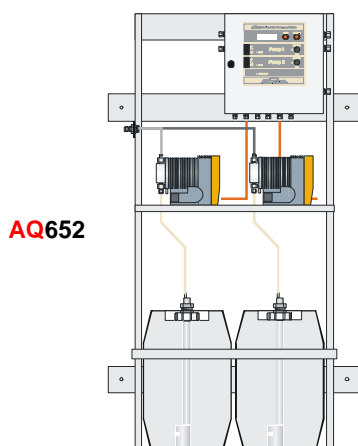
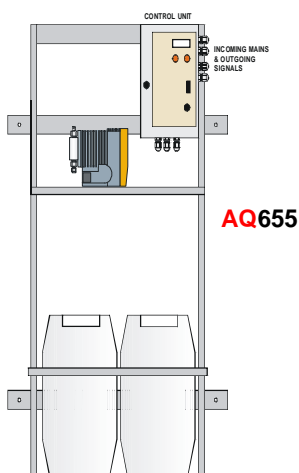


AQ655NO2 and AQ652NO2 Engine Cooling Water Management Systems



The **AQ655** is a cost effective modular system that keeps the level of nitrite based treatment within the desired parameters.

The system consists of a control module, which contains the data communication hardware and software and further a unique **Nitrite Monitor**, which gives direct readings of Nitrite levels and a dosing pump with suction assembly and low level alarm, mounted on a frame with space for two chemical treatment containers.

Installation is simple and can easily be carried out by ship's staff. The dosing units are placed close to the most convenient point in each cooling water circuit to be treated, with only one 6mm chemical injection line and one 6mm measurement line, over the pump, to be installed.

Readings displayed on the control unit and monitor.

Optional, a data communication unit can be supplied for use with any suitable existing PC to provide continuous display of readings whilst pre-formatted management reports give a summary of average readings for any period requested.

When possible, AQ652 systems with 2 pumps and dual controller on one frame, can be implemented to save space.

Both **AQ655** and **AQ652** systems can be linked to other Aquanet systems.

Features and Benefits

- Minimises corrosion = lower operating costs
- Ensures correct chemical levels at all times = no manual control
- Easily reconfigured for a new chemical suppliers = free choice
- Direct Nitrite measurement = no conversions

AQ 655, SINGLE CONTROLLER, COOLING WATER QUALITY MANAGEMENT SYSTEM. 1 PUMP AND LINKED TO OTHER AQUANET UNITS. MANAGING 1 COOLING WATER CIRCUIT.

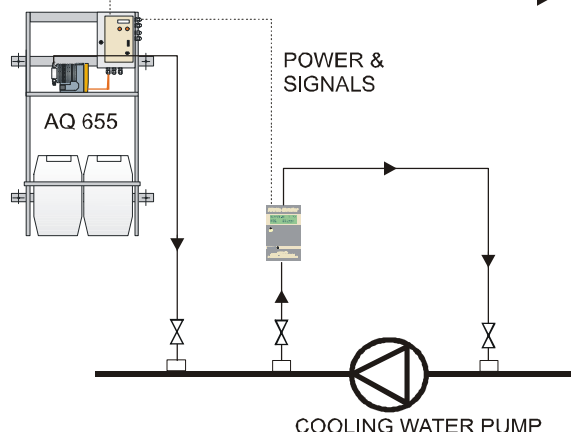
OTHER AQUANET UNITS
(e.g. AQ300 Boiler Unit)
(other AQ652 or 655)

CONTROL ROOM

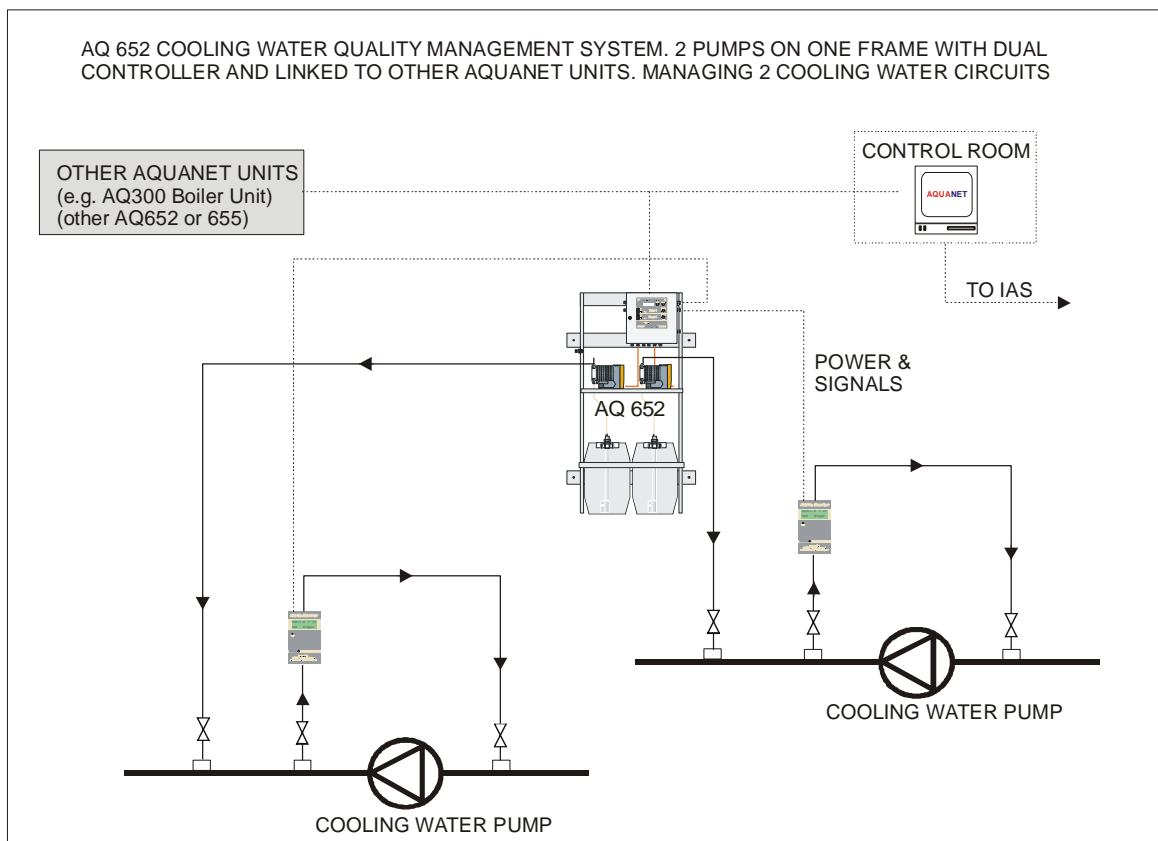
AQUANET

TO IAS

POWER &
SIGNALS



AQ 652 COOLING WATER QUALITY MANAGEMENT SYSTEM. 2 PUMPS ON ONE FRAME WITH DUAL CONTROLLER AND LINKED TO OTHER AQUANET UNITS. MANAGING 2 COOLING WATER CIRCUITS



Specifications

CONTROL MODULE

The module comprises 2 cards.

One card contains a microprocessor, analogue to digital converter, non-volatile memory local LCD display and communications interface.

The microprocessor card is connected via a ribbon cable to a second card containing power supplies, isolation amplifiers and alarm relays, this function of this card is to power the remotely located probes and amplifiers.

All calibration values system timings and other constants are retained in the non volatile memory.

Dimensions (W) x (H) x (D) mm 760x 1200 x 300

DOSING MODULE

The dosing modules are supplied on a steel tubular frame ready for fixing against a bulkhead.

Dimensions (W) x (H) x (D) mm
560 x 1200 x 330
(assembled c/w chemical drum)

Pumps Diaphragm type pulse pump(s)
1 litre/hr 16 bar max Plexiglas/SS head.

Colours – RAL 7-001 (dark grey)

Rating - IP66

Operating Temperature 50°C max.

Power requirements

220/240 Vac 50/60 Hz. 3A Max

Humidity 0-95% RH non condensing

Links to other **AQUANET** units

NITRITE MONITOR

Voltage 12 - 15 volts DC @ 250mA

Cables (The unit has 4 wires connections)

Red +12– 15Vdc

Green 0 Vdc

Yellow 4-20mA output

Blue Digital format

Connections

Double Ferrule 6mm Stainless compression

Measuring Range 0-4500 mg/l

Accuracy +/- 5% FSD

Temperature 0-60°C
(Requires a cooler for higher temperatures)

Controls Calibration Potentiometer

Flow Rate 0.5—1.5 litres/minute

4-20 mA signal 0 –5000 mg/l

Alarms Instrument status via LCD

Enclosure

Rating IP 65

Dimensions 130 x 56 x 50 mm

Environmental

Operational temperature 5 to 60°C

Storage temperature 0 to 35°C

Storage RH 0-95% non condensing