AQUA Processor M 5700 C



- TOUCH screen LCD display
- Easy user-unit communication
- Communication with PC and SCADA software
- Self-control and indication of faults
- Expandable and system adaptable (multipoint dosing)
- Data history and digital communication

GENERAL

AQUAprocessor series M 5700 C is unit built with main CPU (central processor unit) with TOUCH screen LCD display. The unit can be expanded through various other extension modules, as to the system. It is designed to control the process values on water plants, swimming pools, waste water plants or in industry. Regulation cabinet can be configured for manual or automatic output monitoring. The monitored data can be transmitted to a SCADA PC or other control system.

Regulation cabinet can be expanded with :

- analogue input modules
- analogue output modules
- digital input modules,
- digital output modules
- motor modules

User can communicate with the CPU via control panel with display and keyboard or through the notebook or PC with SCADA software.



AQUAProcessor M 5700 C TOUCH primary function is to **control the chlorine gas dosing** on basis of data received from chlorine analyzer and/or water flow meter. There are three types of controls available and multiple individual dosing points can be controlled.

AQUAProcessor M 5700 C TOUCH secondary function is to **control complete station**: booster pump control, empty cylinder control, chlorine gas leakage control, chlorine gas neutralisation system control, emergency cylinder shut off system control, fan operation control, ect.

AQUAProcessor M 5700 C TOUCH is also able to **communicate with SCADA software**. The device can send all the relevant data to SCADA control software and receive commands from SCADA.

Available regulation types for automatic dosing of chlorine gas in water:

- flow-proportional controller
- residual chlorine controller
- combination of flow-proportional and residual chlorine controller in one unit

The proper regulation for each individual system can easily be set on the field. The electronically controlled motor valve is driven through PID regulator at all types of controllers.

ORDER CODE

M 570 _ C / S

Model
Number of dosing points
Gas type
LCD size

OPTIONS:

- Number of dosing points:

"1" - *One dosing point flow proportional and/or residual controller*
"2" - *Two dosing points flow proportional and/or residual controller*
"3" - *Three dosing points flow proportional and/or residual controller*
"X" - *Multi dosing points flow proportional and residual controller*

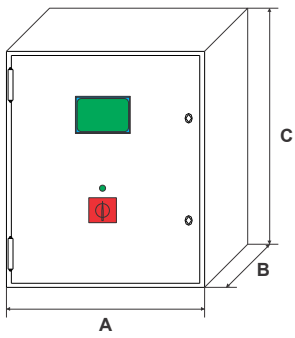
- Gas type: "C" = chlorine

- **LCD size**: "**S**" for standard 3,5'' LCD display; 5'' and 7''LCD available on request!

TECHNICAL DATA

Power supply:	220 VAC
Display:	min. 3,5'' TOUCH LCD to 7" TOUCH LCD
Analogue inputs:	min 4 x 4-20 mA (expandable)
Analogue outputs:	min. 2 x from 4-20 mA (expandable)
Digital outputs:	min. 4 outputs (expandable)
Digital inputs:	min. 4 inputs (expandable)
Digital comm:	Modbus, Ethernet, CAN
AC Supply:	24 V AC - For motor valves and residual analysers
Protection:	IP 65
Power consumption:	min. 20W ... (depending on configuration)

MEASURE DRAWINGS



Dimensions:

M 5701 C (3,5"LCD - standard): **A**=405mm , **B**=200mm, **C**=650mm
M 5701 C (5" or 7"LCD - optional): **A**=510mm , **B**=250mm, **C**=650mm

M 5702 C (3,5"LCD - standard): **A**=405mm , **B**=200mm, **C**=650mm
M 5702 C (5" to 7"LCD - optional): **A**=510mm , **B**=250mm, **C**=650mm

Dimensions may vary depending on the configuration!
Other cabinet dimensions on request!