SYCON

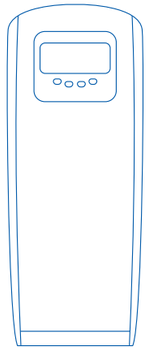
Guardian for softeners

Online analysers for the automatic measurement of carbonate and total hardness.

ABOUT SYCON

In the past years, our softener range benefitted from the advancement of the valve manufacturers including meter demand control, down to up flow proportional regeneration to save water and salt. These evolutions have caused a breakthrough in delivering high efficient softeners, but also led to softeners being more sensitive to the changes influencing the hardness capacity and/or regeneration efficiency.

To monitor water hardness and prevent hardness leakage, we are launching a new competitive range of online analysers. Consider the Sycon 2502 and Sycon 2800 as the guardian angels of your water softeners.

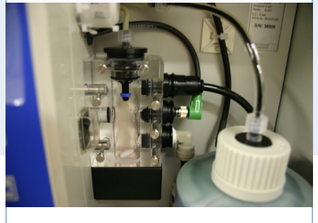


SYCON 2502

SYCON 2800

TECHNOLOGY: COLOURIMETRIC METHOD

Sycon devices apply by a colourimetric test method. Following the introduction of a reagent inside water sample, a colour reaction occurs. Depending on the method, the unit either evaluates the colour intensity or ascertains the value at which the colour changes.



1. Introduction of reagent

2. Colour reaction occurs

3. Evaluate colour intensity or calculate hardness

TECHNICAL DATA

TECHNICAL DATA	SYCON 2502	SYCON 2800
Measurement Range Total Hardness	0,02 to 5 °dH 0,04 to 9 °F 0,36 to 90 ppm $CaCO_3$ 0,004 to 0,892 mmol/l	0,02 to 30 °dH 0,04 to 53 °F 0,36 to 530 ppm $CaCO_3$ 0,004 to 5,350 mmol/l
Measurement Range Carbonate Hardness	1 to 3 °dKH 17,89 to 53,66 ppm $CaCO_3$	0,3 to 9 °dKH 5,37 to 160,99 ppm $CaCO_3$
Minimum shelf-life of reagent	24 months	24 months
Admissible Water Pressure	0,5 to 5 bar	0,5 to 5 bar

QUALITY & CERTIFICATIONS

The manufacturing facility is certified ISO 9001 : 2008 by TÜV Nord.
Both models are compliant with low voltage directive (2014/35/EU) and EMC directive (EN 6100 3-2/3-3/61326-1).

TRAINING & DEMO'S

Our sales representives can support you with a demo in your local language. A training and hands-on workshop with both Sycon units can be set-up in our headquarters in Belgium.

SERVICE & MAINTENANCE

The Sycon units have a guarantee warranty of 24 months. In case of malfunction or maintenance, your product can be shipped back to the manufacturer to be inspected. If necessary, we will replace defective parts or upgrade electronics.

APPLICATIONS FOR SYCON RANGE

HORECA & COMMERCIAL USE
Hot water & heating systems, washing machines, dish washers,...

BOILERS
COOLING TOWERS
FOOD & BEVERAGE

SYCON

To monitor water parameters and prevent hardness leakage, we launch a new competitive range of online analysers. Consider the Sycon 2502 and Sycon 2800 as the guardian angels of your water softeners.

CHARACTERISTICS

	SYCON 2502	SYCON 2800
Fully automatic operation	✓	✓
Simple commissioning	✓	✓
Intuitive operation	✓	✓
Low maintenance	✓	✓
Self-calibrating	✓	✓
Diagnosis programme	✓	✓
Time controlled analysis interval	✓	✓
Volume controlled analysis interval	-	✓
Measured value graph of the last 100 analyses	-	✓
Measured value protocol on SD-card	-	✓
CAN port	-	✓
Analogue output (4 to 20mA)	-	✓
Relay function		
Limit value 1	✓	✓
Limit value 2	-	✓
Analysis active/cool water	✓	✓
Ready for operation	✓	✓
BOB warning	✓	✓
Input function		
Current monitor	✓	✓
External analysis start	✓	✓
Analysis abort	-	✓
Water counter	-	✓