

<b>Category</b>	<b>6</b>	<b>Water Stills</b>
<b>Sub-Category</b>	<b>6-6</b>	<b>Pure Water Systems</b>
<b>Code</b>	<b>6-6-65-006</b>	<b>Brand: SG</b>
<b>Description</b>	<p><b>Pure Water System, 20 LPH, tank: 80 l- application to automatic analyzers</b>                  Drinking water to pure water – for use in analyzers.</p> <ul style="list-style-type: none"> <li>• Production rate at 15°C: 20 LPH</li> <li>• Tank Capacity: 80 l</li> <li>• Water produced has a conductivity &lt; 0.1 µS/cm</li> <li>• Typical TOC value: &lt; 30 ppb.</li> <li>• The system is fed with drinking water.</li> <li>• Water quality exceeds the quality of NCCLS Type I. ISO 3696 Grade 1, ASTM Type II, CAP Type II purified water</li> </ul> <p><b>Optional accessories:</b> Vent Filter, CO2-Trap, Dispenser, Bracket for tank  <b>Consumables:</b> Pre-Treatment cartridge, DI-module, Sterile filter, Vent Filter, CO2-Trap, UV-bulb, RO Module</p>	
<b>Certification</b>	<b>ISO 9001 ; CE</b>	



**Typical applications Model 6-6-65-001; 6-6-65-002; 6-6-65-003; 6-6-65-004; 6-6-65-005; 6-6-65-006**

Feed for auto analyzers including products from: Abbott, Boehringer, Coulter-Beckman, Hitachi, Olympus, Roche and others.

**Pure water quality for automatic analyzers**

Clinical analyzers can only provide precise and assessable data if the pure water introduced into the system has a consistently high quality.

The analyzer supply systems produce pure water with a conductance of 0.06 – 0.2 µS/cm and TOC values less than 30ppb – standard values for high quality pure water. The pure water quality fulfils and even exceeds the quality of NCCLS Type I. ISO 3696 Grade 1, ASTM Type II, CAP Type II purified water – proof of the high quality of our pure water in terms of organics.

The main components of the system involve reverse osmosis, residual deionization, sterile filtration and UV disinfection. Residual deionization takes place either via conventional ion exchange or via the more modern El-Ion® electro-deionization process, which makes the system even easier to operate.

All parts that come into contact with the product are made of materials that are compatible with pure water.

Permanent recirculation of the pure water produced by the system ensures that the water is always available at a consistently high quality. Systems with higher production or volume rates are available on request.



**Water purification systems for clinical analyzers**

Clinical Analyzers can only perform precise and repeatable tests if the feed water supplied to the mis of the highest quality. Tap water contains different impurities like salt, organics, particles, silica and bacteria that can interfere with the analyzer test results.

This is why an AFU- ANALYZER FEED UNIT is so important for tap water purification. The AFU unit from utilizes multiple technologies to produce consistently pure water at flow rates of 10 and 20 LPH.

All systems combine a prepurification module, RO membranes, a polishing mixed bed cartridge, a sterile filter and a UV disinfection chamber.

A pump maintains proper circulation of the water to ensure the highest quality water is available for the analyzer.

The units are available with 30, 60 and 80 liter tanks constructed of virgin polyethylene. All parts which are in contact with the pure water are made of inert materials to secure the highest water quality. All systems display inlet and product water quality. The salt reduction rate will be shown in percentage. Water quality meets or exceeds standards set by the, CLSI Type I and ISO 3696. The product water pressure is 2 bar (29psig). All systems include an RS232 interface.

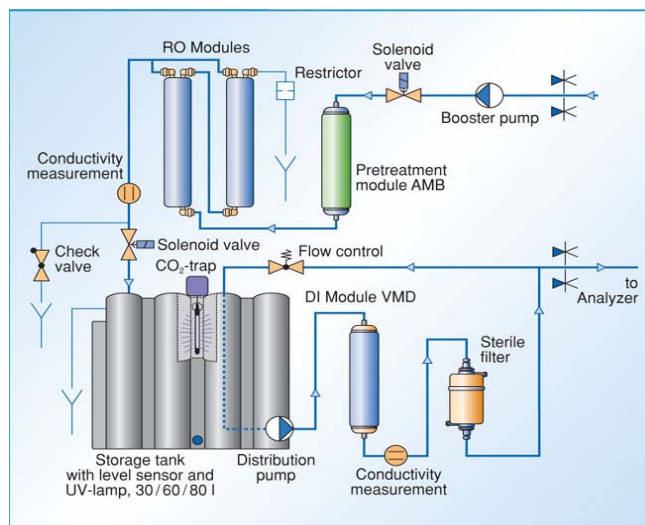
**Pure Water Specifications:**

	<b>Code</b>	<b>6-6-65-002</b>	<b>6-6-65-001</b>	<b>6-6-65-003</b>	<b>6-6-65-005</b>	<b>6-6-65-004</b>	<b>6-6-65-006</b>
<b>Product water performance</b>							
Tank Capacity	l	30	60	80	30	60	80
Production rate at 15°C	LPH	10	10	10	20	20	20
Pure water performance	l/min				1		
with counter pressure	bar/psig				2/29		
Conductivity at 25°C	µS/cm				<0.1		
Resistivity at 25°C	Mohm-cm				>10		
Typical TOC-level	ppb				<30		
Bacteria	CFU/ml				<1		
Particles > 0.2 µm	per ml				<1		

**Feed water specification**

Feed water pressure	bar			0-5			
Feed conductivity	µS/cm			<2000			
Colloid Index	SDI			<3			
Free Chlorine and Fe	mg/l	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1
Shipping weight	kg	37	40	62	39	42	63
Power consumption	kWh			0.08			
Power supply	V/Hz			100-230 / 50-60			
Dimensions: H/W/D	mm	530/640/320	530/900/320	1340/340/580	530/640/320	530/900/320	1340/340/580

Consumables	Replacement frequency	Code
Pre-treatment Cartridge	6 months	6-0-65-098
DI-Module	3 months	6-0-65-077
0.1 µm in line filter 1000 cm2	6 months	6-0-65-081
CO2 Trap and vent filter (replacement cartridge)	Yearly	6-0-65-100
UV-Replacement bulb (115/230 V)		
- for 30 liter tanks	Yearly	6-0-65-093
- for 60 liter tanks	Yearly	6-0-65-106
- for 80 liter tanks	Yearly	6-0-65-107
RO Replacement Module ( 2 pieces in 20 LPH AFU )	2-3 Years	6-0-65-097



**Flowsheet**

Order Codes and Accessories :		
Order Code	Description	Price Euro
6-6-65-006	Pure Water System, 20 LPH, tank: 80 l- application to automatic analyzers	5699.00
Consumables		
6-0-65-098	Pre-Treatment cartridge	76
6-0-65-077	Deionization module	76
6-0-65-081	Sterile filter 0.1 um, 1000 cm2	173
6-0-65-099	Vent Filter, replacement cartridge	43
6-0-65-100	CO2-Trap, replacement cartridge	112
6-0-65-107	UV-Replacement bulb for 80 l tank	162
6-0-65-097	RO Module	203
Optional accesories		
6-0-65-086	Vent Filter VF1	76
6-0-65-087	CO2-Trap CT1	162
6-0-65-104	Dispenser, flexible	325