

GOLDBERG PREMIUM 121

DIMENSIONS		Premium 121	
Treatment Capacity	100 LPH	Usage Area	Sterilization – Process water / Drinking water
Depth (mm)	900	Operating Period	7 / 24 non-stop
Width (mm)	530	Membrane Amount	Premium 121
Height (mm)	118		1

GOLDBERG PREMIUM 140 & 240 Reverse Osmosis Water Purification System is designed and manufactured in compliance with the following requirements and standards

Medical Device Regulation	: EU 2017/745 MDR Annex VIII Rule 16	
Device Classification	: Class IIa, acc. to EU 2017/745 MDR (Annex VIII, Rule 16)	
Low Voltage Directive	: EN 60601-1; EN 61010-1; EN 61010-2-040	
EMC Directive	: EN 60601-1-2; EN 61326-1	-
Quality Management System Requirements	: EN - ISO 9001:2015	-
Medical Devices – Quality management systems – Requirements for regulatory purposes	: ISO 13485:2016	
Environmental Management Systems – Requirements with guidance for use	: ISO 14001:2015	-

"Type" tests of GOLDBERG PREMIUM series reverse osmosis water purification systems are performed and certified according to the directives of N 285 and TS EN 23500.

Automation and Electrical and Electronic equipment

Control System	Kinco PLC (Programmable Logic Controller)		
Operation Mode	Fully Automatic / Button Command and touch screen		
Display Type	Color TFT, LCD Touch Screen		
Display Sizes Available	7,0"(standard) / 10,0" (optional)		
Keypad	Touchscreen		
Printer	40 Character/line, integrated thermal printer (Optional)		
Communication	RS232 Port/USB Port		
Warning System	Visual, Audio & (Printed Optional)		
Data Storage	Via USB (Based on USB Capacity)		
Monitoring	Digital on Touchscreen (Analog gauges optional)		
Flowmeters	2 pieces digital		
Pressure sensors	3 pieces digital		
TDS Meter	1 piece for controlling the product water TDS (1 piece for inlet water TDS, Optional)		
Solenoid Valve	3 pieces Brand: Parker		
PT100	Water Temperature (Optional)		
Water Level Controller	1 piece electromechanical (To be placed in Pure Water Tank)		

Filtration & Treatment Stages

1	Carbon Filter	-	4	Antiscalant	Optional
2	Single or Double Softener	Optional	5	Reverse Osmosis	Single Pass
3	Cartridge filter 5 micron	-	6	UV Sterilization	Optional
			7	Endotoxin Filtration	Optional

Safety & Quality Features

√ Protects the operator from electrical current leaks	√ Password protection
√ Phase Protection Relay (380 V only)	√ Emergency stop button
√ Electromechanical water level controller.	

Construction

Frame	Electrostatic powder paint on carbon steel	Membrane Hosing	304 Stainless Steel 121:1 pcs
	AISI 304 stainless steel is optional	Membranes Lifespan	2-3 years (due to the water quality)
Outer Panel	AISI 304 stainless steel	Pump & Motor	Brass body, rotary type, high-pressure pump (Italian Fluid-o-Tech) 0.55 kW
Piping	PU		
Mobility	Easy positioning on 4 castors (2 lockable)		

TECHNICAL DATA SHEET | GOLDBERG PREMIUM 121 Reverse Osmosis Water Purification System

Inlet Water			
Pressure	2 – 5 Bar	Iron & Manganese	< 0.05 ppm, up to 0.2 ppm if ASC is dosed
pH	6 – 8	SDI (Silt Density Index)	< 5
Silika (SiO ₂)	< 25 ppm	Turbidity	NO (NTU < 1)
TDS	< 1500 ppm	Microbiological contamination	NO
Temperature	10 °C - 30 °C	Oil & Grease	NO
Hardness	< 15 ° dH	Hydrogen Sulfide	NO

Product Water	
Conductivity	<20 µS/cm
TDS	< 10 ppm
Microbiology	99% pure from any bacteria

Installation Requirement	
Power	0,75 kW, mono Phase / 220±10 VAC, 50Hz
Water Flow	P121: 250 LPH

Additional Information	
Warranty	1 Years
Service	Nationwide service network (Turkey) 24 / 7 Online Worldwide
Regular maintenance interval	1 month (pre-filter replacements)

Photo



For more information, please contact



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EN 23500

EU 2017/ 745

MDR

ISO 9001:2015

ISO 13485:2016

ISO 14001:2015

ISO 45001:2018



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