

فقيه.

مجموعة فقيه للرعاية الصحية
Fakeeh Care Group

Fakeeh Hospital Makkah

Medical Equipment Installation
Requirements



Water Supply Requirements

Parameter	Sterilizer 1	Sterilizer 2	Washer Disinfector	Strict Requirement
COLD / FEED WATER SUPPLY				
Pressure	3 - 5 bar	3 - 5 bar	2 - 8 bar	3 - 5 bar
Flow Rate	0.9 m³/h	0.9 m³/h	≥ 0.9 m³/h	≥ 0.9 m³/h
Consumption	~0.09 m³/h	~0.13 m³/h	-	Max 0.13 m³/h
Temperature	Max 15 °C	Max 15 °C	5 - 30 °C	5 - 15 °C
Hardness	1 - 13 °d	1 - 13 °d	0 - 30 °dH	1 - 13 °dH
DEMINERALIZED / RO WATER				
Flow Rate	0.05 m³/h	0.25 m³/h	-	≥ 0.25 m³/h
Consumption	~0.01 m³/h	~0.018 m³/h	-	Max 0.018 m³/h
Conductivity	< 15 µS/cm	< 15 µS/cm	3 - 200 µS/cm	3 - 15 µS/cm
Pressure	1 - 5 bar	1 - 5 bar	2 - 8 bar	1 - 5 bar

Power & Environmental Requirements

Parameter	Sterilizer 1	Sterilizer 2	Washer Disinfector	Strict Requirement
HOT WATER SUPPLY (WASHER ONLY)				
Temperature	N/A	N/A	30 - 70 °C	30 - 70 °C
Hardness	N/A	N/A	0 - 3 °dH	0 - 3 °dH (Soft)
ELECTRICAL SUPPLY				
Voltage	400V 3NPE	400V 3NPE	-	400V 3NPE ±10%
Input Power	17 kW	24.5 kW	-	≥ 24.5 kW
Fuse Protection	25 A	36 A	-	36 A
HEAT EMISSION & JACKET COOLING				
Heat Radiated	2.83 kW	3.63 kW	-	HVAC Load ~3.63 kW
Cooling Flow Rate	0.8 m³/h	1.2 m³/h	N/A	≥ 1.2 m³/h
Cooling Consumption	~0.1 m³/h	~0.2 m³/h	N/A	Max 0.2 m³/h

Image Sources

بقية للرعاية الصحية
Fakeeh Care

https://cdn.prod.website-files.com/62f3e6d489b8b9be90c5b53e/65e5b683ed1bc4b269d95d02_FCG-Logo-2024.png

Source: en.fakeeh.care



https://cdn.prod.website-files.com/62f3e6d489b8b9032dc5b564/67c835133fd78d099afa6119_WhatsApp_Image_2025-03-05_at_1.30.08_PM.jpeg

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