

購 買（英文）規 格 書

COMMODITY DESCRIPTION

關 稅 分 類 番 號 H.S. NO.	品目番號 ITEM NO.	品 目 規 格 DESCRIPTION	單 位 UNIT	數 量 QUANTITY
		RO System	SET	1

A.Feature :

1. High capacity of reduction of microorganisms and endotoxins in the water treatment system
2. Hygienic design and regular cleaning and disinfection of the dialysis machines.
3. The conductivity should mainly be used as an indicator of the performance of the reverse osmosis system.
4. The unit is operated from a user-friendly Touch control panel ,making Operation & installation cabinet Skid Type.
5. Pure water storage tank or No tank & supply system
6. Post-treatment: Microorganisms and endotoxins should be finally removed through devices such as UF, UV, and air filters. or None

B. Specifications :

1. Central Reverse osmosis system

1) Output water

- Pure water outlet pressure : 0~2 bar more
- Pure water outlet capacity : 30L/min(+5°C) or more
- Remove rate of dissolved salts : 95% or more
- Remove rate of molecules (cfu) & Endotoxins : 99% or more
- Water conversion factor . : Max. 75% or more

2) Supply water demands

- Input capacity : Min. 60L/ or more
- Input pressure : 2 to 5 bar
- Temperature : +5°C to +25°C
- Hardness : 1 dH or less
- Iron : 0.1 mg/L or less
- Manganese : 0.1 mg/L or less
- Chloride : 100mg/L or less
- Silica : 25 mg/L or less
- Total dissolved salts : 1500 mg/L or less
- Total Chlorine : 0.1 mg/L or less
- Fouling index (S.D.I) : 5 or less

3) Drain Requirements : 15 L/min or more

4) Connections

- Inlet : UPVC,PVC female union, fits to pipe OD 25mm
- Drain : UPVC,PVC female union, fits to pipe OD 25mm
- Pure water outlet & return : PEX or SUS female union, fits to pipe OD 20mm or 25mm

5) Membranes

- Membrane material : modified polyamide, thin film composite
- Membrane configuration : spiral wound
- PH-tolerance : 5 - 8 or more
- Length & Quantity : 10cm X 100cm & 8EA or 170cm & 6EA

6) Power Supply

- Main voltage : 3Ø 4W 380V, 60Hz, Earth
- Power rating : 7.0KW + Heating unit 9KW or less

7) Display information

- Easy touch screen
- Conductivity of the pure water are Digital displayed ($\mu\text{s}/\text{cm}$)
- Reject flow rate to drain, Recycle water are Analogue displayed (L/min)
- Pure water are Digital displayed (L/min)
- Auto flushing time is setting displayed
- Water saving function
- Patrol Lamp
- Alarm & Stop S/W Function.

8) High pressure pump

- Type : Multi-Stage central Fugal Vertical Pump.
- Overload Protection
- Supply Power : 380V, 3-phase (four wires)

9) Auto disinfection ($80^{\circ}\text{C} \pm 10\%$) by Temp. Controller or more

10) Automatic start & stop by Level or Timer

11) Dimensions & Weigh

- Dimensions(H X W X D)mm : 1800 X 1040 X 1150 or 2040 X 2120 X 650
- Weight(dry) : 550kg or less

12) Pre Treatment system

- Uninterruptable power supply system : Max. 48h or None

13) Tank Type U.V Lamp : 39W or none

14) Final Filter : 50,000~100,000 Dalton ($0.05\sim0.1\mu\text{s}/\text{cm}^2$) or none

2. Multi media filter

- 1) Volume : 100L or more

3. Softener

- 1) Volume : 100L or more

4. Carbon filter

- 1) Volume : 100L or more

5. Feed pump

6. Filter housing

7. Pyrogen & Endotoxin Free Type Membrane Cartridge

8. Accessories

Remodeling (according to the strict specification)

C. Consist of : (A or B)

A

- | | |
|-----------------------------------|-------|
| 1. Central reverse osmosis system | 1 SET |
| 2. Multi media filter | 1 SET |

3. Softener resin	1 SET
4. Carbon filter	1 SET
5. Feed Pump	2 SET
6. Supply Pump	2 SET
7. Pre Filter housing	1 SET
8. RO Membrane Set	1 SET
9. Pyrogen & Endotoxin Free Type Ultra Filter Membrane Set	1 SET
10. U.V Lamp	1 SET
11. Final Filter Housing Set	1 SET
12. Storage Tank	1 SET
13. Operation Service Manual	Each 1 SET

B

1. Central reverse osmosis system	1 SET
2. Multi media filter	1 SET
3. Softener resin	1 SET
4. Carbon filter	1 SET
5. Feed Pump	2 SET
6. Pre Filter housing	1 SET
8. RO Membrane Set	1 SET
9. Operation & Service Manual	Each 1 SET

D. Remarks :

1. The equipment should be installation by contractor.

2. Three years warranty should be provided after the performance test.
3. Manufactured products must be delivered within one year based on the inspection date.
4. Products that are not scheduled to be discontinued within one year after delivery must be delivered
5. A report must be submitted after conducting a preventive inspection in accordance with the hospital medical equipment inspection regulations within the warranty period.
6. 교체장비는 지정장소에 철거 이전하고 신규장비를 정수실 정적공간 설치 및 배관연결 후 연결배관도면 및 수질검사성적서를 제출하여야 한다.
7. 무상보증제외 품목 : 각종 필터류