

# Pureforce Series ROE (30,70,100L/h)



## *Introduction*

Heal Force has developed ROE model, specially for high demanding water solution in research laboratories. Incorporating with Electrodeionization module, ROE can continuously supply type II purified water.

### *Push-to-sterilize*

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Just a simple key press to sterilize reverse osmosis, recirculation pump line and water tank, ensuring water quality

### *Touch screen control*

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- 8.0 inches colored display for multi-parameters
- Intelligent control with man-machine interaction
- Filter life indicator with alarm function in time

### *Internal 60L water tank*

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- Water tank is integrated into the main structure to save your valuable laboratory space
- The water reservoir is made through cylindrical mold and blow molding process to avoid the generation of velum
- PE material ensure low extractives
- Optional UV lamp and vented filter maintain consistent purity of stored water

### *EDI module*

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- Resins are continuously regenerated by the electrical current and are never exhausted
- Low operating cost, low energy consumption and low maintenance

### *Backup*

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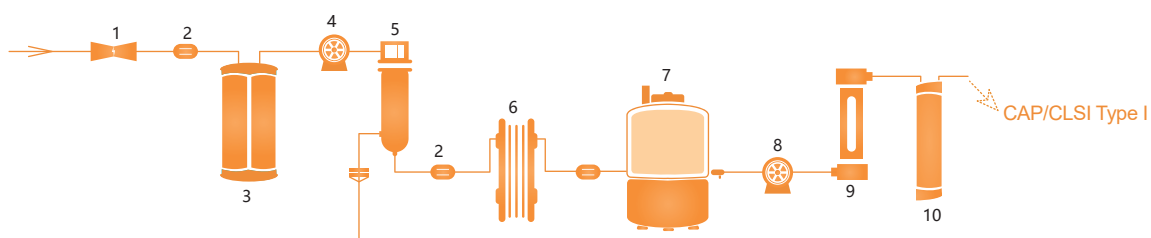
Duplex operation (i.e. two linked Pureforce ROE units) to provide an even greater operational contingency that avoids a single point of failure

*Heal Force* has installed thousands of systems globally. Whether you require systems that feed a single small analyzer, a large automated analyzer, or even multiple analyzers throughout an entire building, we can provide tailored solutions meeting all specified clinical analyzer requirements economically, and on budget.

### Additional features

- Strengthened purification cartridges - Loaded with PP cotton, active carbon, soften resin meet large volume requirement, optimizing the following purification efficiency
- Unique Reverse Osmosis - Flow restriction design with automated forward and backward rinse increases lifespan of the module by 50%
- Patented resistivity meter - Compact type meters with low cell constant (0.01cm-1) and automatic temperature compensation make the value meaningful
- Simple modular design - Standard modular consumables and accessories facilitate daily operation and maintenance.

### Pureforce ROE



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|------------------------|--------------|------------------------------|
| 1 Solenoid Valve       | 5 RO Module  | 8 Ball Valve                 |
| 2 Conductivity Sensor  | 6 EDI Module | 9 Single Wave UV Cartridge   |
| 3 Pre-treatment Module | 7 Water Tank | 10 Micro-Purification Module |
| 4 Boost Pump           |              |                              |

Model	Pureforce ROE	Pureforce ROE	Pureforce ROE
Type	ROE-30	ROE-70	ROE-100
Productivity Rate	30L/h	70L/h	100L/h
<b>Feed Water Requirement</b>			
Source	Tap water	Tap water	Tap water
Conductivity*	< 2000us/cm	< 2000us/cm	< 2000us/cm
Hardness**	< 450ppm as CaCO3	< 450ppm as CaCO3	< 450ppm as CaCO3
Pressure	0.1~0.5MPa	0.1~0.5MPa	0.1~0.5MPa
Temperature	5~40 C	5~40 C	5~40 C
<b>High Quality Purification Water(Class II)</b>			
Resistivity At 25 C	≥10MΩ.cm	≥10MΩ.cm	≥10MΩ.cm
TOC	≤30ppb	≤30ppb	≤30ppb
Dissolved Organic	< 0.1ppm	< 0.1ppm	< 0.1ppm
Particulate(≥0.02um)	< 1pc/ml	< 1pc/ml	< 1pc/ml
Bacteria	< 1cfu/ml	< 1cfu/ml	< 1cfu/ml
Flow Rate	3.0~4.0L/min	3.0~4.0L/min	3.0~4.0L/min
<b>Electrical Requirements</b>			
Electrical Voltage	110V/220V±10%	110V/220V±10%	110V/220V±10%
Electrical Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
<b>Packing Information</b>			
Net Weight			
Main units	120kg	120kg	120kg
External Dimensions(W×D×H)			
Main units	650×715×1650mm	650×715×1650mm	650×715×1650mm
Shipping weight			
Main units	150kg	150kg	150kg
Shipping Dimensions(W×D×H)			
Main units	735×780×1790	735×780×1790	735×780×1790

\* If feed water quality is poor(Conductivity > 1000us/cm), 3 class strengthened pretreatment module and RO-2 type is highly recommended

\*\* When hardness of feed water is high(>450ppm as CaCO3), 0.5T water soften tank is recommended