



# MEDIUM WHOLE SKID-MOUNTED AUTOFLUSHING WATERMAKERS



## SEAWATER DESALINATION SYSTEM BASE ON REVERSE OSMOSIS PRINCIPLE

Make fresh water directly from the sea, bore, ground or pond, river or any natural water source at your remote resort or village

## Whole Skid Mounted Auto flushing

### Electrical Specifications ( IVS series ):

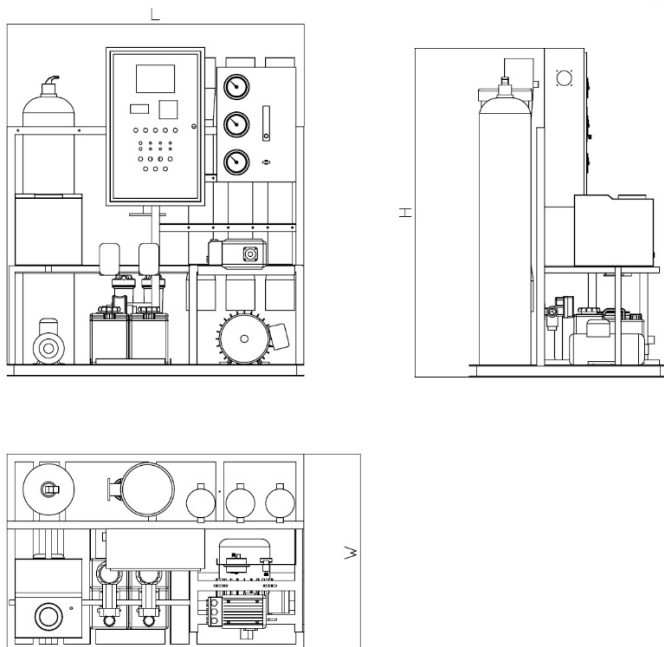


型号 model	产水流量 capacity	膜配置 membrane	功率 HP power	电压 Power Voltage	预处理 Pretreatment
IVS-6T	300LPH	4040 x 2	4.3 KW	220/380V,3phr	300x1300 FRP + 0.5 micron
IVS-10T	450LPH	4040 x 3	6.2 KW	220/380V,3phr	400x1650 FRP + 0.5 micron
IVS-12T	600LPH	4040 x 4	8.2 KW	220/380V,3phr	400x1650 FRP + 0.5 micron
IVS-15T	750LPH	4040 x 5	9.5 KW	220/380V,3phr	400x1650 FRP + 0.5 micron
IVS-14T	700LPH	400 x 1	8.7 KW	220/380V,3phr	400x1650 FRP + 0.5 micron
IVS-28T	1400LPH	400 x 2	18 KW	220/380V,3phr	500x1800 FRP + 0.5micron
IVS-42T	2100LPH	400 x 3	27 KW	220/380V,3phr	400x1650 FRPx2 + 0.5micron
IVS-56T	2800LPH	400 x 4	35 KW	220/380V,3phr	400x1650 FRPx4 + 0.5micron

Above for seawater TDS < 38K ppm, Below for seawater < 60K ppm

IVS-6T-h	300LPH	440 x 1	8.2 KW	220/380V,3phr	300x1300 FRP + 0.5 micron
IVS-12T-h	600LPH	440 x 2	16.2 KW	220/380V,3phr	400x1650 FRP + 0.5 micron
IVS-18T-h	900LPH	440 x 3	25 KW	220/380V,3phr	500x1800 FRP + 0.5micron
IVS-24T-h	1200LPH	440 x 4	31 KW	220/380V,3phr	400x1650 FRPx2 + 0.5 micron

### Transportation Specifications:



型号 model	产水流量 capacity	膜配置 membrane	产品尺寸 Product size (LxWxH cm)	净重约 Net weight (kg)	毛重 Gross weight (kg)	包装尺寸 Package size (cm)
IVS-6T	300LPH	4040 x 2	140x80x160	320	370	142x82x172
IVS-10T	450LPH	4040 x 3	150x80x160	480	530	152x82x172
IVS-12T	600LPH	4040 x 4	150x100x160	520	570	152x102x172
IVS-15T	750LPH	4040 x 5	160x100x180	580	630	162x102x192
IVS-14T IVS-6T-h	700LPH	400 x 1	180x90x180	490	540	182x92x192
IVS-28T IVS-12T-h	1400LPH	400 x 2	220x100x180	780	850	222x102x192
IVS-42T IVS-18T-h	2100LPH	400 x 3	170x60x180 , 180x100x180	1040	1120	172x62x192, 182x102x192
IVS-56T IVS-24T-h	2800LPH	400 x 4	250x60x180 , 200x100x180	1750	1950	252x62x192, 202x102x192

### < Performance & Pretreatment >



*Working pressure : 50-85 bar ;*

*Feeding water Salinity ( TDS ): <38000 ppm ;*

*Output water Salinity ( TDS ): < 1000 ppm for 1<sup>st</sup> Stage ( standard config )*

*< 200 ppm for 2 stages. ( not standard config )*

*Pretreatment: 50 micron & 0.5 micron ;*

### < Selection Guide >



The user need to know some basic installation facts at the running site before selecting the models, the conditions might affect your expense greatly if you know more about the water and the space.

1. *The raw water TDS (total dissolved solid by ppm, or salinity by %)?*
2. *Installation Space, size allowed, how many rooms available?*
3. *Power voltage, DC or AC, the max current range you can use?*
4. *Do you need a modular unit or a whole plant with frame?*
5. *Do you need output water as drinking water or living water? Or both? How much flow are they?*

### < Normal Running Steps >

- 1> *Make sure the pipeline and the main wet parts are full of water, and you can see the raw water Running out from the brine outlet*
- 2> *Make sure the HP pump crank carry at least half crank of proper Oil*
- 3> *Start the pumps and adjust the pressure and flow to a proper position.*

### < Maintenance Method >

- 1> *Use NaoH 1% to make alkaline flushing ; Use Citric acid 0.5% to make acid flushing; Use 5% NaHSO3 to preserve the membrane;*
- 2> *Replace the profiler cartridges in a regular time;*
- 3> *Flushing the membrane by enough fresh water after the pumps stop;*

### \*\*\* PACKAGE STATMENT \*\*\*



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