

# HP HIGH PRESSURE SRL DISSALATORI - WATERMAKERS



Desalination plants for all the water needs



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# Legenda



**Residential**



**Motor Homes**



**Ribs**



**Sailing Yachts**



**Motor Yacht 30 - 55 ft**



**Motor Yacht over 55 ft**



**Military Boats**



**Ships**



**Oil Rigs**



**Resorts**



**Swimming Pool**

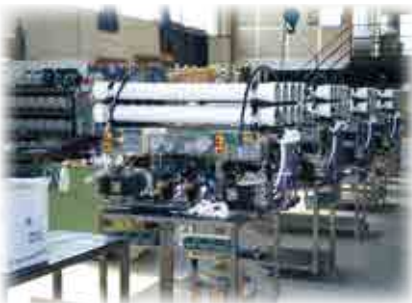
# Relax, we make Water



Since 1995 HP HIGH PRESSURE SRL has been producing a wide range of parts for the assembly of manual, semi-automatic and fully automatic reverse osmosis systems, on a 2500 square meter productive area, in the south of Milan (**Italy**). HP is a **ONE STOP SHOP** for sourcing quality material parts for RO system producers, customised RO controllers, sensors, booster pumps, high pressure pumps, GRP and AISI 316 pressure vessels of any kind and pressure, customised membranes, automatic pressure regulation valves up to 70 bar (**RP TRONIC SYSTEM**), high pressure fittings and piping. HP manufactures units from 35 up to 3000lt/h in the standard series available in any standard voltages (AC-DC), for any kind of use.



HP HIGH PRESSURE SRL is ISO 9001 certified (**EQA - UKAS**) and designs by AUTODESK INVENTOR on the 3D format all the watermakers produced in its facility, taking care of all the details and manufacturing the 80% of the machines' components in the Milan factory. To face all the more exigent quality standards, each of the watermakers produced is tested accurately before any shipment, and subjected to the most stressing quality controls.



In more than 20 years activity HP HIGH PRESSURE SRL has excelled in the reverse osmosis watermaker market, introducing new and very important effective automation-systems and advanced technical solutions, to render the machines fully automated.

All the standard plants of the HP's production are equipped with the membranes' automatic flushing system (**HP VAL - HP patent 1997**), and can be supplied with the automatic pressure regulation system (**HP RP TRONIC - HP patent 2002**), a motorized needle valve that avoids to operate the regulator by hands at each watermaker start, and that automatically adjusts the system working pressure at a precise set value, with any kind of sea water salinity and temperature; and with the membrane automatic conservation system (**HP AMCS**), which doses a quantity of biocide in the osmotic membranes during their flushing at each machine stop, avoiding the bacteria proliferation. The AMCS can be also used for the winter conservation of the osmotic modules just by increasing the dosing percentage of the quantity of biocide on the dosing pump.



In 2002 HP introduced the Thermal Energy Recovery System of the electric motors (**HP TERS - Patent HP 2002**), that cools the electric motors with the feed sea water, pre-heats the raw water incoming on the membrane, making it more productive at the same salinity and pressure level. All the automatic-series systems can be easily used even in the manual system, even in case one of the machine components failed. HP watermakers are equipped with the best electronics available on the market.



Since 2008 are available the new watermakers with custom membranes 3.15 inch (**diameter**) X 40 (**length**) which have revolutionized the watermakers production rendering more efficient the 140 and 260 lt/h standard series, best sellers of HP brand. These membranes also allow the production of the newest models HP SC330 (330 lt/h) and HP SC440 (**440 lt/h**), contained in the same SC (**super compact**) unit dimension and of the HP SCD660 (**660 Lt/h**) and 880 (**880 lt/h**) in the DOUBLE series.

Therefore since 2007 all the RP TRONIC HP plants have been able to communicate with all the monitoring systems on board, by adopting a MODBUS protocol, programmed in the HP LOGIC, and since 2017 with the introduction of **BiBi®** it is able to communicate with any wi-fi connected devices.

All the HP plants and parts are covered by a 3 years warranty on the functioning and on the corrosion for each single item assembled in the machine. The warranty is valid at our retailers and technical assistance network around the world.

Since 2008 a branch of HP WATERMAKER is active in Dubai covering the Middle East market and since 2014 the new branch HP WATERMAKERS Maldives PVT Ltd is active in Male.

# Water

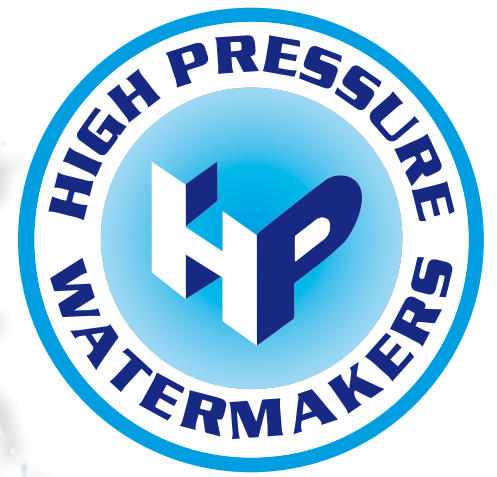


Watermakers from 35 lt/h to 1.600 lt/h



Portable and installed water softeners

# Package



Cold and fizzy water dispenser



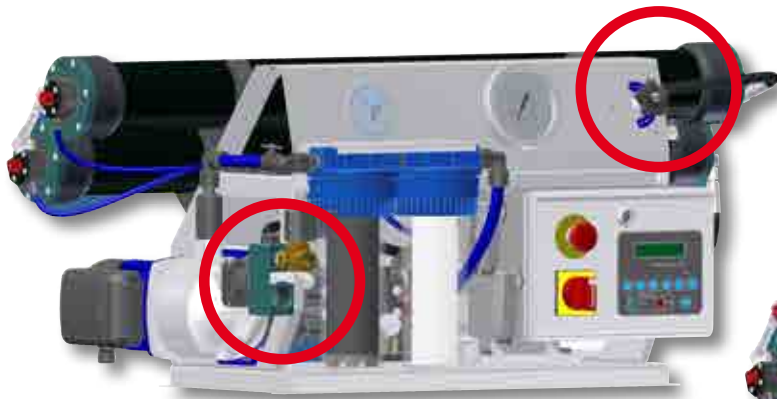
UV sterilizers



*Since 1995 at the service of the water industry*



# Available watermaker models



**SC5**  
**semi-automatic**



**RP TRONIC**  
**full automatic**

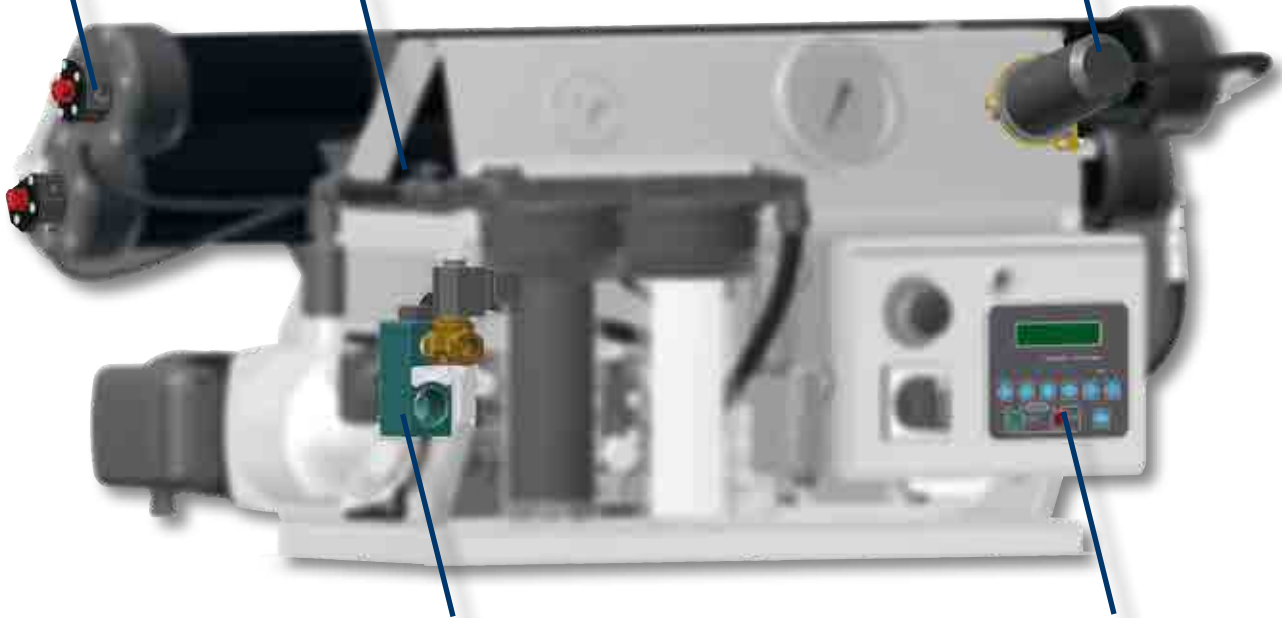
COMPONENTS	MANUAL	AUTO	RP TRONIC
No corrosion Carbon-Fiberglass pressure vessel		•	•
Automatic non conforming water deviation system		•	•
Check gauge		•	•
Hand operated pressure regulation valve		•	
<b>Automatic pressure regulation valve (RP TRONIC)</b>			•
Min/Max pressure sensor		•	•
Emergency regulation valve key			•
Hand operated non conforming water deviation (emergency mode)			•
Hand operated pressure regulation		•	
<b>Automatic Membranes Flushing</b>		•	•
AISI 316 Booster low pressure pump		•	•
AISI 316 High pressure pump (SC70-260 / SCD540)		•	•
Superduplex High pressure pump (SC330-440 / SCD660-880)			
20 µ filter		•	•
5 µ filter		•	•
USB port interface control PLC		•	•
Plug and Play connection system		•	•
Alarm monitoring and counter		•	•
Voltage monitoring and counter		•	•
Lockable electric door		•	•
Emergency button		•	•
Removable electrical board		•	•

# Advantages of RP TRONIC system

*Hand operated non conforming water deviation valve system emergency*

*Automatic pressure regulation valve*

*Emergency regulation valve key*



*Automatic membranes flushing system (HP Valve)*

*PLC diagnostic control*

## Standard features

- Automatic pressure regulation - Self adjustment while working
  - Remote control and pressure regulation from the cockpit
  - Hand operated pressure regulation (emergency mode)
  - Membranes' automatic flushing system
  - Automatic membranes conservation system (AMCS) - Optional
  - Automatic non conforming water deviation system when the produced water exceeds the limits
  - Emergency function system
  - Hand operated non conforming water deviation (emergency mode)
  - Alarm counter diagnostic system
  - Volts and Ampere counter and diagnostic system
  - Integrated hour counter
  - Total production (lt and gal) counter
  - Functioning logic parameters with full integrated diagnostic
  - Upload and Download USB port
  - BiBi interface
- Display:
    - Bar and Psi (pressure)
    - °C and °F (temperature)
    - µS and ppm (conductivity)
    - Lt/h and gal/h (flow)
    - Voltage
    - Amperage



## What is HP BiBi

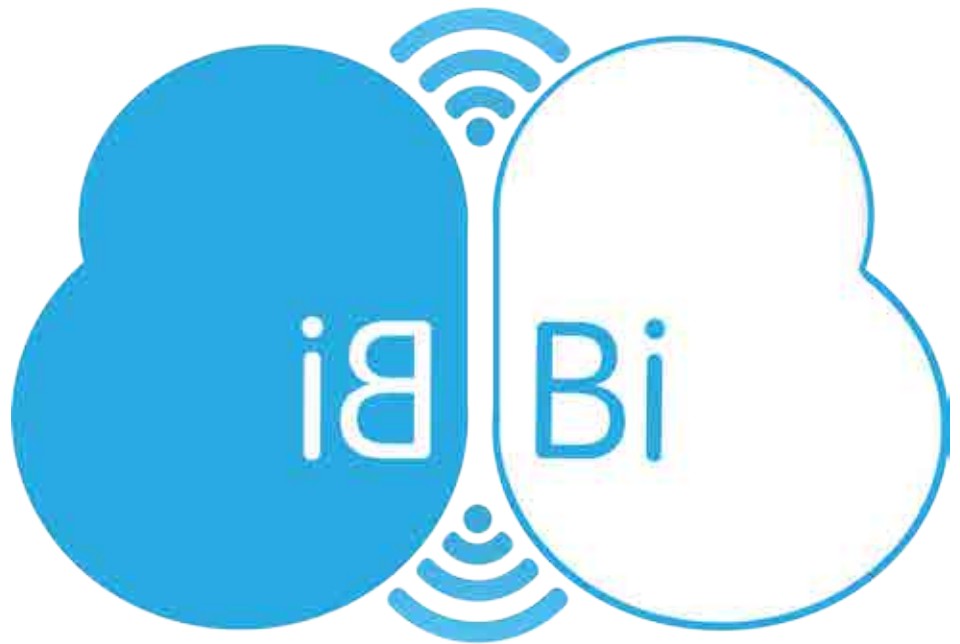
- BiBi is the first user friendly interface for watermakers, compact easy to install and ready to communicate with any device connected to the internet, covered by 5 years warranty.
- BiBi allows the user to access any watermaker's functions and data logs from the internet (only if installing modbus/canbus protocol and port).
- BiBi can be installed after sale as it is an external item and it is compatible with Android, iOS and PC or Mac.
- BiBi helps the technical service centers to make preventive diagnosis and understand the machine issues before getting on board for service.
- BiBi is communicating with real time alert push notices on the user's smartphone in case of alarms.
- BiBi is communicating with real time alert emails to HP factory to follow the customer during every emergency and any machine alarm.
- BiBi is able to report directly the problem of the unit sending an information notice to the closest service point to the boat.
- BiBi covers the unit with one extra year of warranty (i.e. HPSC140 RPTRONIC BiBi 3 years + 1 year)





*Your relax is our goal*

# HP BiBi



Dimensions	Weight
110mm x 65mm x 47mm	250 gr.

Watermaker type	Compatible	After sales price
HP UC	<b>X</b>	<b>X</b>
HP SCE	<b>X</b>	<b>X</b>
HP KIT ECO	<b>X</b>	<b>X</b>
HP SC	•	€ 2.650
HP V SERIES	•	€ 2.650
HP SC DOUBLE	•	€ 5.100
HP SC DOUBLE V	•	€ 5.100
HP SC DOUBLE X CUBE	•	€ 5.100
HP V ELITE	•	€ 2.650
HP GROUND SERIES	•	€ 2.650



# HP UC



The Ultra Compact watermaker series is ideal for sailing and motor yachts from 30 up to 55 ft. It is equipped with TERS (Thermal Energy Recovery System), and can be supplied in 12V - 24V - 110VAC 60Hz - 230V 50Hz - 230V 60Hz. All the units are supplied with separate water cooled booster pumps.



**HP UC 70 RP TRONIC**



**REMOTE CONTROL PANEL**



**SHURFLO PRE PUMP**

Model	Lt/h	Membrane	Price
HP UC35 12V	35	1-2521	€ 7.200
HP UC35 24V	35	1-2521	€ 7.200
HP UC35 230V	35	1-2521	€ 7.200
HP UC70 24V	70	2-2521	€ 9.400
HP UC70 230V	70	2-2521	€ 9.400

Optional Accessories	Price
RP TRONIC VERSION (Automatic Pressure Regulation System + Automatic Flush + Remote Control )	€ 2.350
Automatic Membranes Conserving System (AMCS)	€ 900

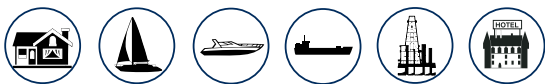
MODEL	UC 35 12V	UC 35 24V	UC35 230V	UC70 230V
Flow rate Lt/h	30 ÷ 35	30 ÷ 35	30 ÷ 35	60 ÷ 70
Nominal flow rate Lt/h	40 ÷ 45	40 ÷ 45	40 ÷ 45	70 ÷ 80
Daily flow rate Lt/day	840	840	840	1680
Nominal flow rate Lt/day	1080	1080	1080	1920
Installed Power W	500	500	750	750
Total Weight Kg	35	35	40	45
Overall dimensions mm LxHxD	600x300x260			

*Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.*



*Since 1995 at the service of the water industry*





The SCE series is supplied in hand operated version only. This model is ideal for whom is looking for an economic plant. The units can be supplied 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz. All the units are supplied with separate booster pumps.



**HP SCE 35**

Model	Lt/h	Membrane	Price
HPSCE35	35	1-2521	€ 5.900
HPSCE70	70	2-2521	€ 6.200
HPSCE140-1	140	1-31540	€ 6.900
HPSCE200	200	3-2540	€ 7.800
HPSCE260-2	260	2-31540	€ 7.900

MODEL	SCE 35	SCE 70	SCE 140-1	SCE 260-2
Flow rate Lt/h	35	70	140	260
Nominal flow rate Lt/h	45	83	166	332
Daily flow rate Lt/day	840	1680	3360	6420
Nominal flow rate Lt/day	1080	1992	3984	7968
Installed power kW	2,2			
Total Weight Kg	55	59	62	73
Overall dimensions mm LxHxD	560x388x432		1180x400x432	

*Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.*

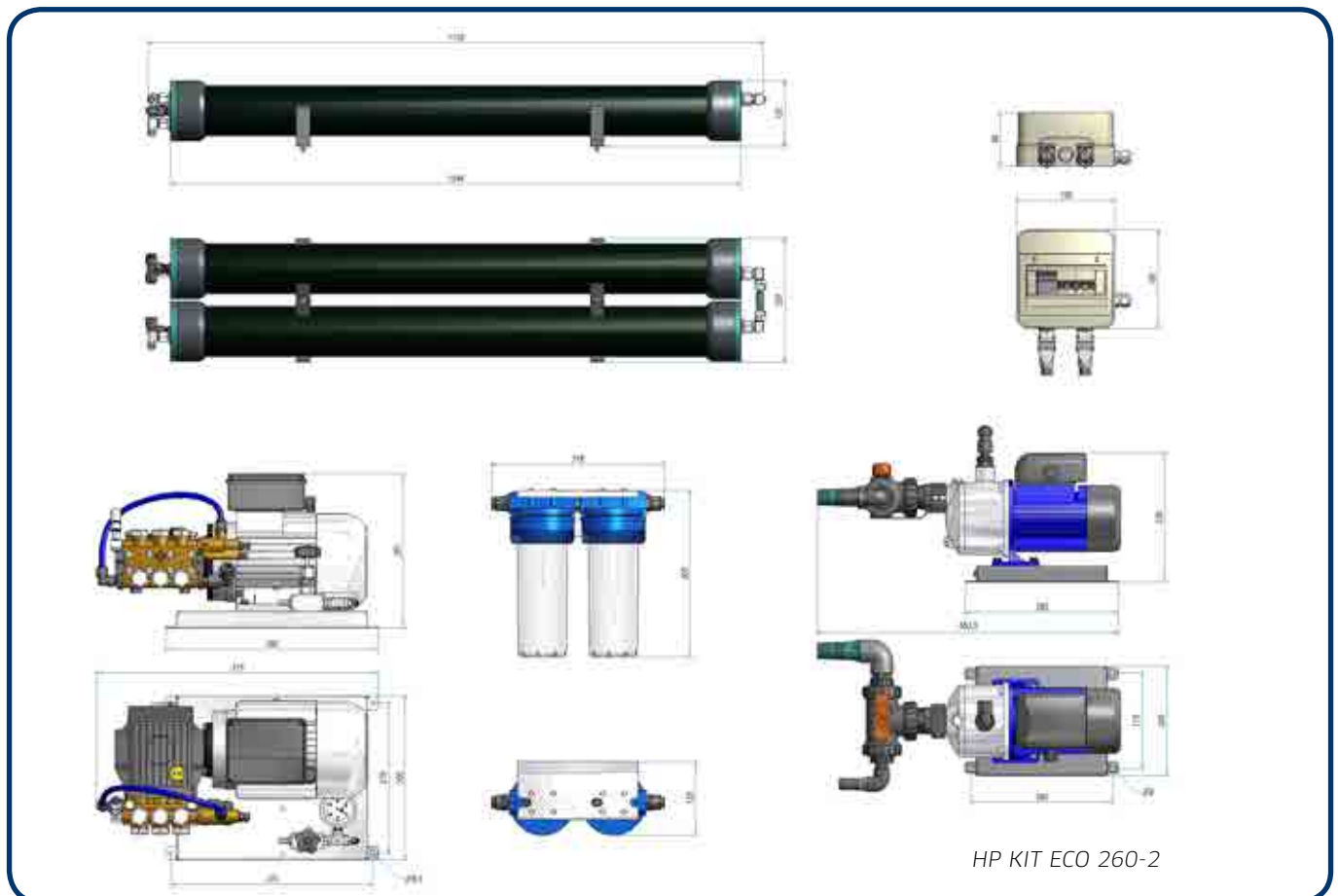
The system is supplied in preassembled and tested separated parts. This watermaker is very simple and economic. It is recommended in case of no space on board and for who is looking for an economic plant.

This unit can be supplied 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz.

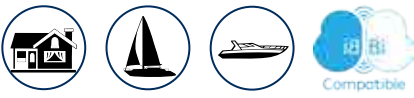
## Only Manual

Model	Lt/h	Membrane	Price
HP KIT ECO 35	35	1-2521	€ 4.950
HP KIT ECO 70	70	1-2540	€ 5.500
HP KIT ECO 140/1	140 - 1	1-31540	€ 7.600
HP KIT ECO 260/2	260 - 2	2-31540	€ 10.450
HP KIT ECO 330/3	330	3-31540	€ 14.000
HP KIT ECO 440/4	440	3-31540	€ 15.500

- Aisi 316 pump base and filter supports
- Brass high pressure pump
- Aisi 316 booster pump
- Osmotic membranes 2540/31540
- Aisi 316 pressure vessel 2540/31540
- Manual pressure regulation system
- Aisi 316 high pressure fittings
- Electric switchboard
- Gauge meter
- Manual washing system



Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models..



# HP SC KIT

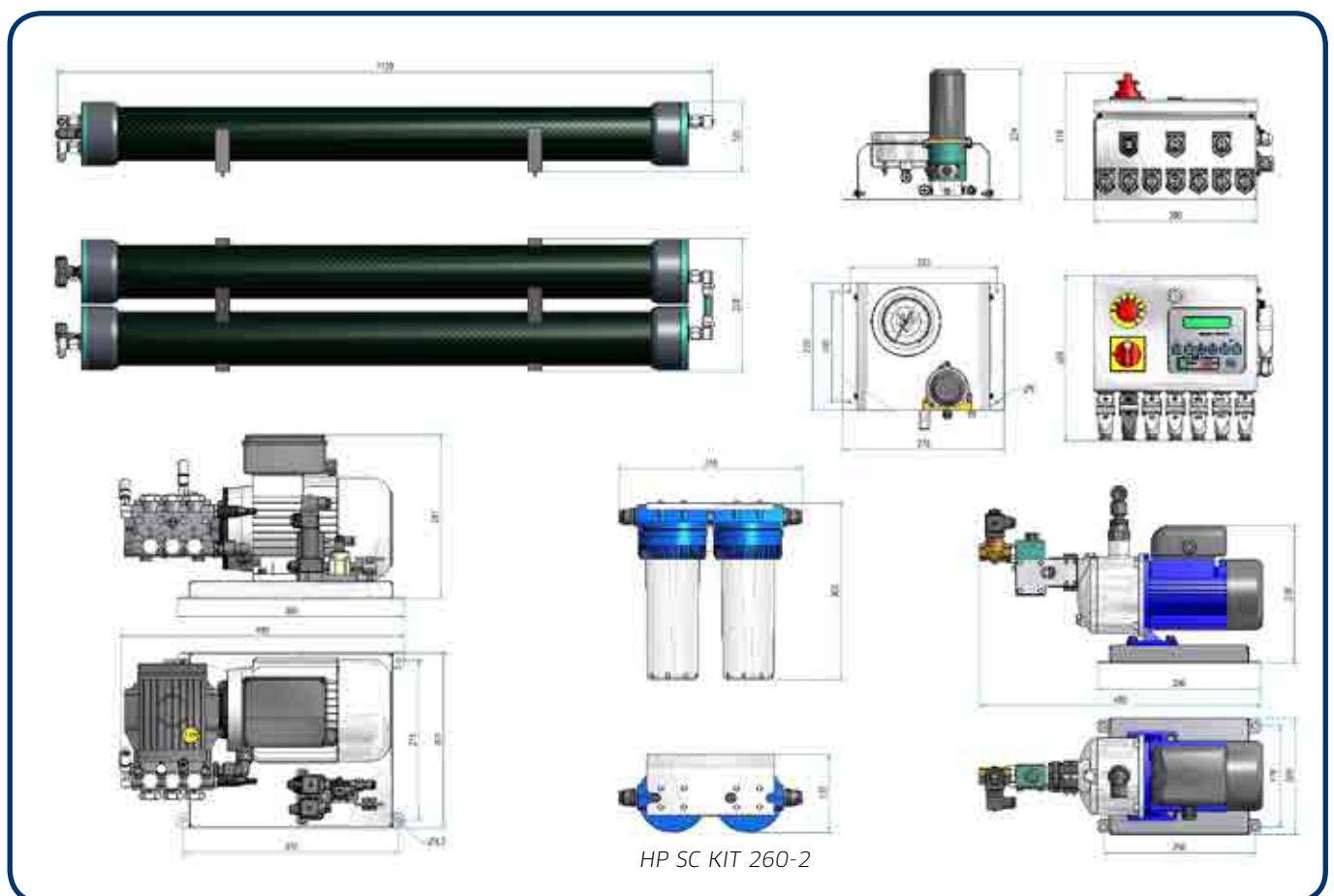
The system is supplied in preassembled and tested separated parts. This watermaker is very simple and is recommended only in case of no space on board. This unit can be supplied in the MANUAL, AUTO, RP TRONIC, AMCS, and with the following voltages:

110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz.

MODBUS protocol standard installed on all the units. BiBi compatible.

Model	Lt/h	Membrane	Price
HP SC KIT 70	70	1-2540	€ 7.600
HP SC KIT 140/1	140	1-31540	€ 9.200
HP SC KIT 260/2	260	2-31540	€ 12.200
HP SC KIT 330/3	330	3-31540	€ 15.000
HP SC KIT 440/4	440	4-31540	€ 16.500

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 2.800
Extra for BiBi internet remote control system	+1 year warranty	€ 2.650
Extra for Automatic Membranes Conserving System (AMCS)		€ 900



Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.

20% Price increase for 60Hz and 230V triphase models.



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HP SC (Super Compact) is supplied on a single and compact frame. SC Series can be equipped with membranes up to a production of 440 Lt/h with four 315-40 membranes.

RP TRONIC version includes the automatic pressure regulation system and the remote control panel.

This unit can be supplied 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz. MODBUS protocol standard installed on all the units. BiBi compatible.



HP SC 260-2



REMOTE CONTROL PANEL

Model	Lt/h	Membrane	Price
HP SC 70	70	1-2540	€ 7.600
HP SC 140/1	140	1-31540	€ 9.200
HP SC 260/2	260	2-31540	€ 12.200
HP SC 330/3	330	3-31540	€ 15.000
HP SC 440/4	440	4-31540	€ 16.500

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 2.800
Extra for BiBi internet remote control system	+1 year warranty	€ 2.650
Extra for Automatic Membranes Conserving System (AMCS)		€ 900

MODEL	SC 70	SC 140/1	SC 260/2	SC 330/3	SC 440/4
Flow rate Lt/h	70	140	260	330	440
Nominal flow rate Lt/h	83	166	332	420	560
Daily flow rate Lt/day	1680	3360	6240	7920	10560
Nominal flow rate Lt/day	1992	3984	7968	10080	13440
Installed Power kW	2,2	2,2	2,2	3	3
Total Weight Kg	79	65	72	83	94
Overall dimensions mm LxHxD	1060 X 435 X 430				

Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.



# HP V SERIES

The HP V series answers to the demands of compactness on board. The vertical design of the plant allows to fit the system in tight places. The frame base of the HP V is only 470 mm X 280 mm, and the height is 600 mm. These dimensions are referred to the body of the watermaker that in this case does not include the membranes, that can be easily be installed vertically or horizontally everywhere.

This unit can be supplied 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz. MODBUS protocol standard installed on all the units. BiBi compatible.



**REMOTE CONTROL PANEL**

**WM = WALL MOUNTED**

Model	Lt/h	Membrane	Price
HP V 70	70	1-2540 o 2-2521	€ 7.600
HP V 140/1	140	1-31540 WM	€ 9.200
HP V 260/2	260	2-31540 WM	€ 12.200
HP V 330/3	330	3-31540 WM	€ 15.000
HP V 440/4	440	4-31540 WM	€ 16.500

Extra for RP TRONIC Version (Automatic Pressure Regulation)	<b>3 years warranty</b>	€ 2.800
Extra for BiBi internet remote control system	<b>+1 year warranty</b>	€ 2.650
Extra for Automatic Membranes Conserving System (AMCS)		€ 900

MODEL	V 70	V 140/1	V 260/2	V 330/3	V 440/4
Flow rate Lt/h	70	140	260	330	440
Nominal flow rate Lt/h	83	166	332	420	560
Daily flow rate Lt/day	1680	3360	6240	7920	10560
Nominal flow rate Lt/day	1992	3984	7968	10080	13440
Installed Power kW	2,2	2,2	2,2	3	3
Total Weight Kg	79	65	72	83	94
Overall dimensions mm LxHxD	550 X 600 X 350				

**Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.**



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# HP SC DOUBLE



HP SC DOUBLE series is supplied in a unique frame, containing two independent units. They can be used in singular or twin mode depending on the water request and allow a continuous production even in case of maintenance of one of the two units (half of the total flow rate is guaranteed). Available in the MANUAL, AUTO, RP TRONIC, AMCS and with the following voltages: 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz. MODBUS protocol standard installed on all the units. BiBi compatible.



HP SCD 540



REMOTE CONTROL PANEL

Model	Lt/h	Membrane	Price
HP SCD 400	400	6-2540	€ 22.000
HP SCD 540/4	540	4-31540	€ 23.500
HP SCD 660/6	660	6-31540	€ 28.500
HP SCD 880/8	880	8-31540	€ 31.350

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 4.900
Extra for BiBi internet remote control system	+1 year warranty	€ 5.100
Extra for Automatic Membranes Conserving System (AMCS)		€ 1.800

MODEL	SCD 400	SCD 540/4	SCD 660/6	SCD 880/8
Flow rate Lt/h	400	540	660	880
Nominal flow rate Lt/h	498	664	840	1120
Daily flow rate Lt/day	9600	12960	15840	21120
Nominal flow rate Lt/day	11952	15936	20160	26880
Installed Power kW	2X2,2	2X2,2	2X3	2X3
Total Weight Kg	202	153	175	197
Overall dimensions mm LxHxD	1100 X 640 X 600			

Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.



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# HP SC DOUBLE V

HP SC DOUBLE series is supplied in a unique vertical frame, containing two independent machines. They can be used in singular or twin mode depending on the water request and allow a continuous production even in case of maintenance of one of the two units (half of the total flow rate is guaranteed). Available in the MANUAL, AUTO, RP TRONIC, AMCS, MODBUS and with the following voltages: 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50Hz - 440VAC 60Hz. MODBUS protocol standard installed on all the units. BiBi compatible.



**HP V 660-6**



**REMOTE CONTROL PANEL**

Model	Lt/h	Membrane	Price
HP SCDV 400	400	6-2540	€ 22.000
HP SCDV 540/4	540	4-31540	€ 23.500
HP SCDV 660/6	660	6-31540	€ 28.500
HP SCDV 880/8	880	8-31540	€ 31.350

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 4.900
Extra for BiBi internet remote control system	+1 year warranty	€ 5.100
Extra for Automatic Membranes Conserving System (AMCS)		€ 1.800

MODEL	SCDV 400	SCDV 540/4	SCDV 660/6	SCDV 880/8
Flow rate Lt/h	400	540	660	880
Nominal flow rate Lt/h	498	664	840	1120
Daily flow rate Lt/day	9600	12960	15840	21120
Nominal flow rate Lt/day	11952	15936	20160	26880
Installed Power kW	2X2,2	2X2,2	2X3	2X3
Total Weight Kg	202	153	175	197
Overall dimensions mm LxHxD	840 X 1100 X 495			

**Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.**



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# HP SCD X-CUBE



HP SC DOUBLE X-CUBE series is supplied in a unique frame containing two independent machines up to a total production flow rate of 1600 Lt/h. They can be used in singular or twin mode depending on the water request and allows a continuous production even in case of the maintenance of one of the two units (half of the total flow rate is guaranteed). Available in the MANUAL, AUTO, RP TRONIC, AMCS, MODBUS with the following voltages: 110VAC 60Hz - 230VAC 50Hz - 230VAC 60Hz - 380VAC 50 Hz - 440VAC 60 Hz. MODBUS protocol standard installed on all the units. BiBi compatible.



HP SCD 1200



REMOTE CONTROL PANEL

Model	Lt/h	Membrane	Price
HP SCD 800	800	4-4040	€ 52.400
HP SCD 1200	1200	6-4040	€ 57.700
HP SCD 1600	1600	10-4040	€ 63.100

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 4.900
Extra for BiBi internet remote control system	+1 year warranty	€ 5.100
Extra for Automatic Membranes Conserving System (AMCS)		€ 1.800

MODEL	SCD 800	SCD 1200	SCD 1600
Flow rate Lt/h	800	1200	1600
Nominal flow rate Lt/h	1232	1848	2464
Daily flow rate Lt/day	19200	28800	38400
Nominal flow rate Lt/day	29568	44352	59136
Installed Power kW	2X4		
Total Weight Kg	128	164	175
Overall dimensions mm LxHxD	1300 X 800 X 650		1300 X 950 X 650

Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.



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# HP V ELITE

HP ELITE is equipped with Danfoss Superduplex pumps. These units are ideal for installation on working ships as they are able to produce high flow rates. Available in MANUAL, AUTO, RPTRONIC, AMCS versions with the following voltages: 110VAC 60HZ - 230V 50HZ - 380V 50HZ - 440VAC 60HZ. BiBi compatible.



**HP ELITE 880**



**REMOTE CONTROL PANEL**

Model	Lt/h	Membrane	Price
HP ELITE 660	660	3-31540	€ 26.900
HP ELITE 880	880	4-31540	€ 29.700
HP ELITE 1200	1200	6-4040	€ 53.000
HP ELITE 1600	1600	8-4040	€ 59.900

Extra for RP TRONIC Version (Automatic Pressure Regulation)	3 years warranty	€ 4.200
Extra for BiBi internet remote control system	+1 year warranty	€ 2.650
Extra for Automatic Membranes Conserving System (AMCS)		€ 900

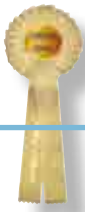
MODEL	ELITE 660	ELITE 880	ELITE 1200	ELITE 1600
Flow rate Lt/h	660	880	1200	1600
Nominal flow rate Lt/h	840	1120	1848	2464
Daily flow rate Lt/day	15840	21120	28800	38400
Nominal flow rate Lt/day	20160	26880	44352	59136
Installed Power kW	5	5	7	7
Total Weight Kg	165	190	230	290
Overall dimensions mm LxHxD	600X1200X620	600X1200X740	600X1200X700	600X1200X900

*Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.*



*Since 1995 at the service of the water industry*





# HP DEMI5 - HP DEMI DOUBLE

[www.demi5.com](http://www.demi5.com)

Demi 5<sup>®</sup> is the portable system which integrates a softener with a manual control valve to easily operate softening, rinse and regeneration stages. HS-EasyBRINE, a disposable brine cartridge for the easiest resin regeneration, CB, a carbon block pre-filter, make DEMI<sup>®</sup> 5 able to perform filtration at 5 micron, for crystal clear water, dechlorination, getting rid of bad tastes and odours, pesticides, insecticides, Volatile Organic Compounds (VOC). Demi Double is a softening system with automatic regeneration stage. Both systems are designed for softening, for a complete or partial removal of the Total Hardness and prevention from scales and calcareous encrustations. DEMI5 and DEMI DOUBLE can be used for the cleaning of all the surfaces with an extraordinary NO SPOTS effect. After having used the softeners the surface drying is not necessary. These systems protect from impurities, corrosion, and limestone deposits, all the pipes, boost pumps, boilers, showers, faucets and ice makers.



**DEMI5<sup>®</sup>**



**DEMI DOUBLE**

Model	Price
HP Demi 5	€ 990
HP Demi Double	€ 2.750
CB 5 μ	€ 26
HS Easy Brine	€ 12
Kit Easy Test	€ 5
Kit Easy Test 10 pz	€ 10
Salt Box 12 Packages 850 gr.	€ 40
Salt Bag 25 Kg	€ 30

MODEL	HP DEMI5 <sup>®</sup>	DEMI DOUBLE
Maximum Pressure bar	6	6
Minimum Pressure bar	2	2
Maximum Temperature °C 50	50	50
Total Weight Kg 15	15	30
Dimensions mm (W x H x D)	452 x 472 x 276	480 x 400 x 570



Since 1995 at the service of the water industry





# HP WATER DISPENSER

The water dispensers are ideal to get cold, sparkling and normal water directly from the fresh water network. The use of these systems is subjected to the installation of UV steriliser systems after the fresh water tank. For home uses the UV sterilisers are not compulsory.



**HP WD FIZZ 60/80**



**HP WD LUX 150**

MODEL	HP WD FIZZ 60	HP WD FIZZ 80	HP WD LUX 150
Cooling capacity (lt/h)	60	80	150
Continuous supply (lt)	18	45	80
Cold water Temperature	3°-10° C	3°-10° C	3°-10° C
Ice bank capacity (lt)	7	14	18
Cooling technology	ICE BANK	ICE BANK	ICE BANK
Condensation	Ventilated	Ventilated	Forced ventilation
Refrigerant Gas	HFC R134a	HFC R134a	Natural HYDROCARBON gas R290
Compressor Power	1/10 HP	1/6 HP	700 kcal/h
Pump	Professional carbonator pump	Professional carbonator pump	Professional carbonator pump
Typology	Countertop	Countertop	Countertop
Supply	220 V - 50 Hz	220 V - 50 Hz	220 V - 50 Hz
Power	350 W	500 W	650 W
Working Room Temperature	Min 5°C - Max 32°C	Min 5°C - Max 32°C	Min 5°C - Max 32°C
NET WEIGHT Kg	35	40	45
GROSS WEIGHT Kg	38	43	55
Dimensions L x W x H (mm)	330x489x467	330x599x467	460x590x510
Packaging dimensions (mm)	400x560x490	400x670x490	530x680x750
Price	€ 2.960	€ 3.300	€ 4.720



The plants of the ground series are able to produce by a single passage up to 10 T/H of drinking water using seawater at 35.000 mg/l TDS. The water produced will have a residual salinity less than 500 PPM TDS. Organic big molecular substances, such as viruses, bacteria and pyrogen agents will not pass through the membranes. The sea water taken by the low pressure boost pump will be brought through a sand filter, that will get rid of all the biggest particles in suspension up to 50 micron. The following phase will bring the water into a multi cartridge filter group that will detain the particles in suspension up to 5 micron to avoid the obstruction of the R.O. membranes. In the further step, a dosing pump will inject an anti flocculent solution to avoid the precipitation on the membrane of the heaviest elements, dissolved in the water. The high pressure pump will push the seawater at 55 - 60 bar into the osmotic membranes. By this pressure the desalination treatment will take place. Through the pressure effects just a pretty small portion of water will pass through the membranes (10%). This will be called permeated water and will be drinking water. The remaining portion, the concentrated water, will be dumped to the sea. These systems can be supplied with the energy recovery system which will allow to save the 70% of the electrical consumption of a standard system and can be installed in a 20 and 40 Ft container.

## R.O. standard system components

- N° 1 Low pressure boost pump
- N° 1 UV Sterilizer
- N° 1 Auto backwash sand filter
- N° 1 Multi cartridge 20-5 micron filter system
- N° 1 DOS- SYSTEM Anti flocculent dosing system
- N° 1 Chemical washing system
- N° 1 Super Duplex High Pressure pump.
- N° 1 Energy recovery system iSave.
- N° 1 R.O. system composed by N° 3 osmotic membranes e N° 1 fiber glass 8"X120" pre sure vessels.
- N° 6 Low pressure gauge meter
- N° 1 Conductivity meter on the production line
- N° 2 Flow meter
- N° 1 Thermometer
- N° 1 Steel frame for vessel
- N° 1 Stainless steel AISI 316 frame for high pressure pump
- N° 1 Frame for pre treatment units
- N° 1 Electrical switchboard PLC controlled, assembled following CEI standards with IP 55 protection.
- N° 1 BiBi internet telecontrol system.

*Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.*

# SOLAR PORTABLE WATER MAKER

## HP SPWM

The SPWM is a light weight and compact watermaker installed in a shock resistant, non-corrosive case, ready to plug-in and run. All you need is salty, brackish or fresh water (from a bay, lake or river) and a 12 VDC power source from your RV battery pack or the SPWM panels. The SPWM delivers over 30 litres of fresh water per hour! Every SPWM comes complete and includes a factory-mounted high pressure intensifier, a 20-inch membrane in a vessel assembly and a diaphragm feed water pump. A feed water pressure gauge, product water flow meter, on/off switch and salinity monitor are all standard features.

- 30 litres of fresh water per hour
- Simple to use, ideal for mobile application
- Exceptionally energy efficient



TECHNICAL SPECIFICATIONS	
Dimensions	LXWXH 810 X 560 X 400 mm
Weight (incl.batteries and panel)	80 kg
Filtration technology	Reverse Osmosis (RO)
Raw Water Source	Sea,well,lake,river
Contamination	All bacteria, viruses, salinity up to 45000 ppm TDS
Quality of produced water	Potable water
Capacity	Max 30 l/h
Application / Installation	Mobile
Prefilter	5 micron
Membranes	Reverse Osmosis
Power supply	Solar, 135 Wp
Power consumption unit	100W
Power consumption Total	Pump 100W
Backup power connection	80VAC
VRLA-Batteries	12V-33AH
Feed pump	Max. 120 l/h
Feed pump pressure	8 bar
Tube paket	2 meter
Min / Max Water temperature	0/45° C
Min / Max air temperature	0/50 ° C

*Flow rates are calculated for sea waters with the following characteristics: 35000 ppm a 25°C at 60 bar.  
20% Price increase for 60Hz and 230V triphase models.*



*Since 1995 at the service of the water industry*



# SPARE PARTS

## Standard kits

Cod.	DESCRIPTION	PRICE
1	<b>WASHING KIT Includes:</b> 1/2 KG MC11 - 1/2 KG MC3 - 1/2 KG HP CONSERVE 1	€ 120
2	<b>FILTER KIT UC SERIES includes:</b> 4 wounded 5 micron 5 inches mignon cartridge 1 charcoal 5 inches cartridge recharge 1 charcoal 5 inches cartridge	€ 57
2A	<b>FILTER KIT UC SERIES includes:</b> 4 wounded 5 micron 5 inches mignon cartridge, 1 charcoal 5 inches cartridge recharge	€ 51
2B	<b>FILTER KIT UC SERIES includes:</b> 4 wounded 5 micron 5 inches mignon cartridge 2.5" , 1 charcoal 5 inches cartridge recharge	€ 55
3	<b>CONSERVING KIT Includes:</b> 1/2 Kg HP conserve 1 powder	€ 40
4	<b>FILTER KIT SC SERIES includes:</b> 4 wounded 5 micron 10 inches cartridge, 1 charcoal 10 inches cartridge, 1 charcoal 5 inches cartridge	€ 68
4A	<b>FILTER KIT SC SERIES includes:</b> 4 wounded 5 micron 10 inches cartridge, 1 charcoal 10 inches cartridge	€ 62
4B	<b>FILTER KIT SC SERIES includes:</b> 8 wounded 5 micron 10 inches cartridge	€ 62
5	<b>JOHN GUEST SPARE KIT 6 MM includes:</b> 2 pcs straight adaptor 6mmX1/8" - 2 pcs stem adaptor 6mmX1/8" - 3 pcs straight adaptor 6mmX1/4" 3 pcs stem adaptor 6mmX1/4" - 5 pcs elbow 6mm - 5 pcs tee 6mm - 5 mt pipe diameter 6mm	€ 60
6	<b>JOHN GUEST SPARE KIT 8 MM includes:</b> 1 pcs straight adaptor 8mmX3/8" - 1 pcs stem adaptor 8mmX3/8" - 4 pcs straight adaptor 8mmX1/4" 4 pcs stem adaptor 8mmX1/4" - 5 pcs elbow 8mm - 5 pcs tee 8mm - 5 mt pipe diameter 8mm	€ 63
7	<b>JOHN GUEST SPARE KIT 10 MM includes:</b> 4 pcs straight adaptor 10mmX3/8" - 4 pcs stem adaptor 10mmX3/8" - 1 pcs straight adaptor 10mmX1/4" 1 pcs stem adaptor 10mmX1/4" - 5 pcs elbow 10mm - 5 pcs tee 10mm - 5 mt pipe diameter 10mm	€ 80
8	<b>JOHN GUEST SPARE KIT 15 MM includes:</b> 5 pcs straight adaptor 15mmX1/2" - 5 pcs stem adaptor 15mmX1/2" 5 pcs elbow 15mm - 5 pcs equal tee 15mm - 5 mt pipe diameter 15mm	€ 150
9A	<b>HIGH PRESSURE FITTING TUBE KIT</b> A) R7 0,5 MT Pipe - 2 HP AISI 316 fittings - 2 Nipples 1/4 " AISI 316	€ 90
9B	B) R7 1 MT Pipe - 2 HP AISI 316 fittings - 2 Nipples 1/4" AISI 316	€ 110
9C	C) R7 1,5 MT Pipe - 2 HP AISI 316 fittings - 2 Nipples 1/4" AISI 316	€ 130
9D	D) R7 2 MT Pipe - 2 HP AISI 316 fittings - 2 Nipples 1/4" AISI 316	€ 150
9E	E) 90° Elbow fitting - AISI 316 - 1/4"	€ 65
9F	F) Complete pipe union - AISI 316 - 1/4"	€ 50
9G	G) Complete pipe union - AISI 316 - 3/8"	€ 65
10	<b>HP PUMP KIT WW90 BRASS (HP UC)</b> 3 pcs ceramic piston WW90, 3 pcs brass rings and gaskets WW90 Kit 97 1Kg multigrade OIL SAE20/30	€ 169
12	<b>HP PUMP KIT W99 BRASS</b> 3 pcs ceramic pistons W99 - 3 pcs Brass rings and gaskets W99 Kit 27 - 1Kg multi grade OIL SAE20/30	€ 280
13	<b>HP PUMP KIT W99 STEEL</b> 3 pcs pistons W99 - 3 pcs AISI 316 rings and gaskets W99 - 1Kg multi grade OIL SAE20/30	€ 365
14	<b>HP PUMP KIT DANFOSS APP1</b>	€ 850
15	<b>HP VAL GASKET KIT SC</b>	€ 120



## Booster pumps

Cod.	DESCRIPTION	PRICE
20	LP Shurflo boost pump for HP UC - 12VDC	€ 320
21	LP Shurflo boost pump for HP UC - 24VDC	€ 320
22	LP Shurflo boost pump for HP UC - 230VDC	€ 330
23	LP Jabsco boost pump for HP SC - HP V - HP KIT - HP Double 540 (old)	€ 750
24	LP Jabsco pump head only	€ 230
25	LP Lowara AISI 316 boost pump for HP SC DOUBLE - HP ELITE - SC - V - KIT SCE	€ 690
26	HP SC TELL-LOW adapting kit for Lowara Tellarini pump substitution	€ 1.060

## High pressure pumps and motors

40	W71 HP pump only	€ 530
41	Brass HP pump WW90 (HP UC)	€ 450
42	Brass HP pump W99 (HP SC - HP V - KIT ECO - SC KIT SCE)	€ 530
43	AISI 316 HP pump W71 (HP SC - HP V - HP KIT - HP DOUBLE)	€ 1.740
44	12VDC Water cooled motor with coil for WW90 pump - (HP UC)	€ 640
45	24VDC Water cooled motor with coil for WW90 pump - (HP UC)	€ 640
46	230VAC Water cooled motor for WW90 pump - (HP UC)	€ 920
47	230VAC - 1,85 KW motor for W99 pump	€ 530
48	380VAC - 1,85 KW motor for W99 pump	€ 530
49	RP TRONIC VALVE motor	€ 220
50	SUPER DUPLEX AXIAL PUMP 1,0	€ 3.520
51	380VAC - 2,2 KW motor for AXIAL PUMP	€ 580
52	230VAC - 2,2 KW motor for AXIAL PUMP	€ 580
53	EXTRA FOR 60HZ - 230V TRIPHASE	+20%
54	EXTRA FOR 110V - 60HZ	+30%

## Pre filtration (compatible with all the watermaker brands)

70	Single filter housing 5 inches	€ 52
71	Double filter housing 5 inches (HP UC)	€ 104
72	Single filter housing 10 inches (all uses)	€ 65
73	Double filter housing 10 inches (HP UC - HP SC - HP V - ECO - SC KIT - DOUBLE)	€ 98
74	AISI 316 Support for single housing 5 and 10 inches	€ 35
75	AISI 316 Support for double MIGNON housing 5 inches	€ 50
76	AISI 316 Support for double Standard housing 10 inches	€ 60
77	Wounded spun cartridge 5µ - 10µ - 20µ - 10" (FA10) for HP SC	€ 8
78	Wounded spun cartridge 5µ (FA) - 5" mignon for HP UC	€ 6
79	5 inches charcoal cartridge (CA5) for HP SC	€ 16
80	10 inches charcoal cartridge (CA10) for HP SC	€ 26
81	Sand Filter HP SAND 12" X 48" (Including pump) (HP SC - V - KIT)	€ 2.300
82	Sand Filter HP SAND 21" X 60" (Including pump) (HP DOUBLE 600 - 1600)	€ 2.800



## Membranes and pressure vessels *(compatible with all the watermaker brands)*

Cod.	DESCRIPTION	PRICE
90	Pressure Vessel 2521 (2,5 inches x 21 inches) AISI 316	€ 480
91	Pressure Vessel 2540 (2,5 inches x 40 inches) AISI 316	€ 650
91A	Pressure Vessel 2540 OR Kit	€ 18
92	Pressure Vessel 31540 (3,15 inches x 40 inches) Fiberglass	€ 900
92A	Pressure Vessel 31540 OR Kit	€ 18
93	Pressure Vessel 4040 (4 inches x 40 inches)	€ 1.200
94	Pressure Vessel 8040 (8 inches x 40 inches)	€ 2.600
95	Nanofiltration Membrane for HP ACQUA PURA + pressure ves.	€ 380
96	Osmotic Membrane SW 30 2521 DOW CHEMICAL	€ 426
97	Osmotic Membrane SW 30 2540 DOW CHEMICAL	€ 582
98	Osmotic Membrane SW 31540 HP / DOW CHEMICAL / HYDRANAUTICS	€ 750
99	Osmotic Membrane SW 30 4021 DOW CHEMICAL / HYDRANAUTICS	€ 600
100	Osmotic Membrane SW 30 4040 DOW CHEMICAL / HYDRANAUTICS	€ 1.200
101	Osmotic Membrane SW 30 8040 DOW CHEMICAL / HYDRANAUTICS	€ 2.600
102	Pressure vessel supports 2540 - 2 seats - each	€ 84
103	Pressure vessel supports 2540 - 3 seats - each	€ 96
104	Pressure vessel supports 31540 - 2 seats - each	€ 98

## Systems and valves

120	Manual flushing system (1" three way valve - SC - V - KIT - DOUBLE models)	€ 215
121	Manual flushing system (1/2" three way valve UC - HPSCE)	€ 154
122	Automatic flushing system HP VAL for (HP UC - HP SC - HP KIT - HP V - HP DOUBLE)	€ 850
122A	1" HP VAL OR Kit	€ 35
123	Automatic flushing system HP VAL per HP SC - V - SC KIT - DOUBLE 600 - 1600	€ 1.250
124	AISI 316 1/4" Manual pressure regulation needle valve for HP UC - HP SC - HP KIT - HP V - HPSCE	€ 164
125	AISI 316 3/8" Manual pressure regulation needle valve for HP SC	€ 164
126	AISI 316 3/8" Semi automatic pressure regulation needle valve (until December 2002)	€ 335
127	1/4" RP TRONIC Valve - 0,5 for HP UC 12V - 24V	€ 2.200
128	1/4" RP TRONIC Valve - for HP UC 230V - HP SC - HP V	€ 2.200
129	1/2" RP TRONIC Valve - for HP ELITE	€ 2.600
130	Solenoid Valve EV1 (excluding cable) three way 1/4" - HP SC - HP V - HP UC - HP KIT	€ 248
131	Solenoid Valve EV2 (excluding cable) two way 1/2" - HP SC - HP V - HP UC - HP KIT	€ 320
132	Solenoid Valve EV1 (excluding cable) three way 1/2" - HP SC - HP V - HP UC - HP KIT	€ 390
133	Solenoid Valve EV2 (excluding cable) two way 3/4" - HP SC - HP V - HP UC - HP KIT	€ 350
134	Gauge 0-10 bar Ø63	€ 130
135	Gauge 0-100 bar Ø63	€ 230
136	Gauge 0-10 bar Ø100	€ 130
137	Gauge 0-100 bar Ø100	€ 230



## Electric and electronic system

Cod.	DESCRIPTION	PRICE
140	Pressure sensor 0-100 bar	€ 280
140A	Pressure switch (4112222)	€ 65
141	Temperature sensor 0-100 °C	€ 180
142A	Flow sensor 0-1000 lt/h	€ 230
142B	Flow sensor 100-5000 lt/h	€ 950
143A	Conductivity sensor 0-2000 µS	€ 230
143B	Conductivity sensor 0-4000 µS	€ 330
143C	Conductivity sensor 0-80000 µS	€ 440
144	Motherboard 12VDC for HP UC	€ 190
145	Motherboard 24VDC for HP UC	€ 170
146	Motherboard 220VAC for HP UC	€ 220
147	Motherboard 220VAC for HP SC - HP KIT - HP V - HP DOUBLE	€ 290
148	Motherboard 380VAC for HP SC - HP KIT - HP V - HP DOUBLE	€ 290
149	HP REMOTE CONTROL PANEL (HP RCP)	€ 600
150	CABLE 15 MT for RCP	€ 120
151	CABLE 30 MT for RCP	€ 180
152	PLC HP03	€ 310
153	DISPLAY PLC HP03	€ 250
154	Chip Eeprom SOFTWARE RP TRONIC for PLC HP03	€ 220
155	HP UC RP TRONIC complete electric switch board	€ 1.250
156	HP SC - HP V RP TRONIC complete electric switch board	€ 1.500
157	Door lock 0-1 general switch	€ 80
158	12V DC Albright contactor for HP UC - HP ACQUA PURA	€ 125
159	USB Remote Control	€ 750
160	LP pump contactor & thermal overload relay for HP SC	€ 200
161	HP pump contactor & thermal overload relay for HP SC	€ 200
162	Millennium Crouzet PLC controller ( HP SC - H P V - HP KIT ECO, until December 2002)	€ 800
163	Chip Eeprom SOFTWARE for PLC Millennium Crouzet ( HP SC - HPV - HP KIT ECO, until December 2002)	€ 220
164	Electric switchboard key (all the models)	€ 20
165	Emitter for switchboard (humidity salts)	€ 25
166	Closing lock + electrical switchboard key (all the models)	€ 60

## UV sterilizers

180	UV Sterilizer 2500 Lt/h	€ 1.250
181	UV Sterilizer 5000 Lt/h	€ 1.750
182	UV Sterilizer 8000 Lt/h	€ 2.950
183	UV Sterilizer 13000 Lt/h	€ 5.000
184	UV Sterilizer 18000 Lt/h	€ 5.700
185	UV Sterilizer 26000 Lt/h	€ 5.900



# Packages

Cod.	DESCRIPTION	PRICE
190	Package (mod. UC) 60	€ 60
191	Package (mod. SC - SC KIT) 155	€ 155
192	Package (mod. V) 195	€ 195
193	Package (mod. DOUBLE)	€ 145



**Washing Kit  
cod 1**



**Filter Kit UC  
cod 2A**



**Filter Kit SC  
cod 4A**



**Pump Kit W99  
cod 13**



**UV Sterilizer**

# WARRANTIES

## 3 YEARS ON ALL THE PARTS

The warranty is valid only if the HP INTERNATIONAL REGISTRATION CARD, delivered with the user manual booklet, has been sent back to HP factory, within 60 days from the date of the purchase. By returning the registration card, the sender will receive the SERVICE BOOKLET, to be used for the yearly maintenance.

**In case the registration card has not been sent back within the specified terms, the warranty will not be considered valid.**

*The warranty covers every defects of the materials or of manufacturing and it is limited to the repairing and/or the substitution of the defective part in the factory of ZIBIDO SAN GIACOMO, MILANO, ITALY.*

*The warranty only covers the parts and does not cover any labor, trip, lodge or any transport costs at the customers place. These costs will be on customer's charge. These expenses will be calculated by HP, approved and paid before the service intervention will take place.*

The warranty is subjected to the yearly intervention, effected by the authorized HP SERVICE POINTS. The maintenances MUST be provided yearly at the end of every season (filter change, membrane conservation etc.). The maintenances will be subjected to the INTERVENTION COST and to the consumable material cost (as oils, filters). These costs will have to be paid at the service point following its rates and payment conditions. The watermakers will be considered covered by warranty, after the first year, only showing the SERVICE stamp on the booklet.

Any bad intervention or manumission on the machine by not authorized personnel will let the warranty automatically decay.

If one of the yearly maintenance has not been effected the warranty will not be considered valid.

In any case the warranty does not give the right for any kind of compensation.

HP HIGH PRESSURE SRL declines any responsibility for damages caused by its machines.

The warranty decays:

- if the machine has been repaired, dismantled, or damaged by non authorized personnel.
- If the damage has been provoked by a wrong installation.
- If the machine has been used improperly.
- If the machine has been used in the harbors.
- If the machine has been used in polluted waters.
- If the machine has been used over its limit (see user manual).
- If the materials are subjected to the normal wearing down.

The machine or the defected part will have to be sent back to the HP factory in ZIBIDO SAN GIACOMO. HP can express the last judgment about the causes of the damage and, if it can be considered as a case of warranty. After the reparation, the plant or the part will be sent back to the customer, that will be charged of the shipment costs.

HP High Pressure Srl has the right, to apply any modifications, to the warranty terms, at any time.

COMPETENT COURT - For any eventual dispute, Milan will be the competent court.









## **HP HIGH PRESSURE SRL**

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