

Direct Pure UP ultra-pure water system ASTM 1 (up to 500 L/day)



Model : YR46-3-1

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Manufacturer : Kalstein

Price : \$ 13,954.52

Description :

Direct Pure UP is an ultra-pure ASTM 1 water production system, up to 500 L / day, of raw water.

The produced ultra-pure water meets the most rigorous requirements in the laboratory, from sample preparation to rinsing of high-sensitivity bottles, as well as advanced analysis (ASA, HPLC, ICP, GC, AOX, TOC).

It includes an internal pressure reducer, a reverse osmosis module, a demineralization package and a polishing package. An osmosed water distribution point of the tank is also available on the facade.

It comes complete with packages, a three-filter crankcase for external pre-treatment, a 30-liter tank with level measurement and CO2 absorbing filter, a sterile 0.2 µm capsule filter and a battery leakage.

Direct Pure UP is available in 17 versions: production capacity from 10 to 50L / h, with or without UV lamp of double wavelength, and with or without remote distribution arm.

Features of the ultra-pure water system ASTM 1

- Automatic washing system of RO membranes to prevent the development of germs and other microorganisms.
- Two sets of purification cartridges to ensure demineralization and removal of TOC from water
- Automatic recirculation of water every hour to avoid the development of germs and maintain ultra pure water quality.
- It is available in the dispensing arm version and programming the dispensing volume.
- Available as standard with a 30L tank (also available in 60L and optional UV module), a level sensor and a sterile ventilated filter with CO2 absorbent to avoid contamination of purified carbon dioxide water.

UP System Set

Package includes:

- Main system
- Dispenser (optional)
- Prefiltration kit (3-stage)
- RO membrane (preinstalled)

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- 30 L PE water tank with level sensor
- Tank vent filter with CO2 remover
- RephiDuo H Pack cartridge
- RephiDuo U Pack cartridge
- 0.2 µm capsule filter
- UV lamp (for UV models, preinstalled)
- Leak protector

Parameters by Model

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Direct-Pure UP

Model:	YR46-3	
Feedwater Quality:	Potable water	TDS <1000 ppm (2000 µS/cm)
	Temperature	5-45 °C
	Pressure	15-60 psi (1-4 bar)
RO production flow:	10 to 50 liters / hour (at 25 °C)	
Ultra pure water flow:	1.5 liters / minute (at 25 °C)	
Quality of pure water produced:	Resistivity	18.2 MΩ · cm at 25 °C
	TOC	<10 ppb (<5 ppb with double wavelength UV lamp)
	Particles (> 0.2µm)	<1 / ml (with a 0.2µm final filter)
	Microorganisms	<1 CFU / ml (with a 0.2µm final filter)
	Pyrogen (endotoxin)	<0.001 Eu / ml (with ultrafiltration end cartridge)
Dimensions:	Length x Depth x Height	30cm x 49cm x 48cm
Curb weight / running:	From 22 to 25 kg	From 25 to 32 kg

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Options available for Direct Pure UP ultra-pure water system ASTM 1 (up to 500 L/day) :

Variation

- (YR46-3-3) Cap: 20 L/h (+\$ 1,103.34),
- (YR46-3-4) Cap: 30 L/h (+\$ 1,636.80),
- (YR46-3-5) Cap: 50 L/h (+\$ 3,779.20),
- (YR46-3-7) Cap: 10 L/h with UV (+\$ 1,655.01),
- (YR46-3-9) Cap: 20 L/h with UV (+\$ 2,758.34),
- (YR46-3-1) Cap: 10 L/h,
- (YR46-3-10) Cap: 30 L/h with UV (+\$ 3,291.80),
- (YR46-3-11) Cap: 50 L/h with UV (+\$ 5,434.20).