

KADO CLEAN PROFESSIONAL UO-S6 4" REVERSE OSMOSIS SYSTEM

APPLICATIONS

Steam boilers, heating and cooling circuits, breweries and beverage production, livestock and poultry farms, glazing factories, laundry and car wash, greenhouses etc.

EQUIPMENT

- Grundfos® CM 3-14 pump
- 300 psi membrane vessels
- BB20 sediment prefilter
- Electrical panel with Eco UO 1 Controller
- Danfoss solenoid valves
- Piping, instrumentation
- Steel frame
- Wooden crate

KEY FEATURES

- Eco UO 1 Controller
- Easy to use thanks to smart architecture
- Universal system construction allows connecting options of permeate flushing and raw water blending
- Grundfos worldwide guaranty
- CE marked and confirmed to be safe in accordance with EC New Approach Directives

OPTIONS

- Filmtec™ XLE-4040 / LCLE-4040 or ELP-4040 membrane Dosing pump
- for antiscalant
- Versatile set for raw water blending (120...1080 L/h) or permeate flushing

PHYSICAL PARAMETERS

Influent water, concentrate, permeate	G 1"
Antiscalant dosing port	G ½"
Permeate flushing input port	G 1"
Raw water blending port	G ¾"
Approx. weight (bare system / crate)	130 kg 170 kg
Dimensions (bare system, W × D × H)	0.90 × 0.60 × 1.50 m
Dimensions (crate, W × D × H)	1.20 × 0.75 × 1.90 m



Ecosoft reserves the right to amend the product's system architecture provided that its functionality and usability will not deteriorate

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Code	Product	Flow rate, L/h (GPH)	Membranes	
UO36000TP5	KADO CLEAN PROFESSIONAL UO S6	1400–1600 (350–420)	6/40 × 40	1

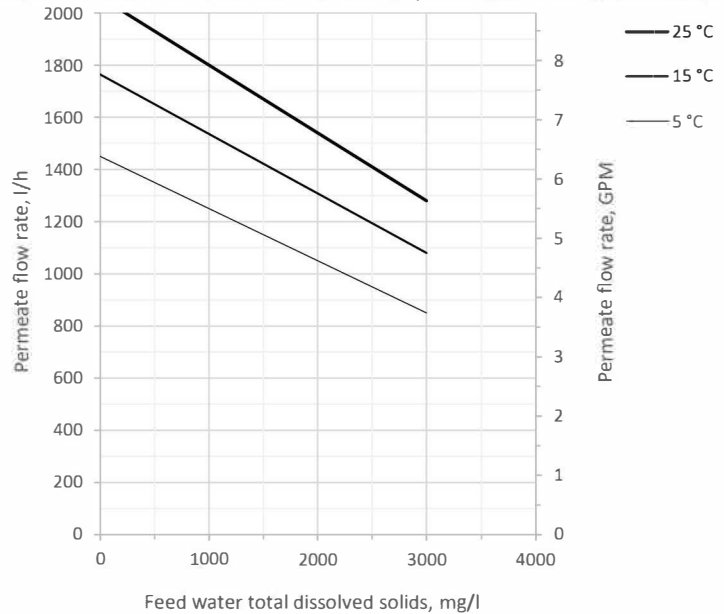
TECHNICAL SPECIFICATION

Permeate capacity ¹	1500 L/h
Permeate recovery ²	75%
Maximum TDS	3000 mg/L
Influent flow demand	2000...2500 L/h (service) 3000...4000 L/h (rinse)
Operating pressure	8...12 bar
Maximum pressure	14 bar
Electrical requirements	230 V, 50 Hz (1 ph)
Electrical power	2.0 kW
Prefilter rating	5 µm

¹ depends on feed water TDS, temperature, and permeate recovery — see graph on the right

² for low scaling/fouling water

KADO CLEAN UO S6 FLOW CAPACITY (WITH XLE-4040 MEMBRANES)



Permeate flow rates are calculated under the following conditions:
 • 2 bar influent water pressure
 • 0 bar backpressure in the permeate line
 • fresh membranes
 • XLE-4040 membranes

PIPES AND INSTRUMENTS DIAGRAM

