

Osmeo Easy DF2

1500 to 2 400 L/h



MEMBRANE SEPARATION PROCESS

REVERSE OSMOSIS

EASY PLUS 4" RO SYSTEM

Result of many years of experience, the **Osmeo** range combines compactness, ease of use and high treatment performance.

Equipped with low energy 4" reverse osmosis membranes, the **Osmeo Sweet'** RO systems are managed by an electronic controller which monitors the safety systems and the automatic filling of the permeate tank.

As an option, the Osmeo RO systems can be integrated on a stainless steel skid together with a pretreatment adapted to the raw water specifications (pre-filtration, softening, chemical conditioning, dechlorination...)

An independant Clean-In-Place (CIP) equipment can be proposed.



APPLICATIONS

The Osmeo range is designed to supply reverse osmosis water for the following applications :

- low pressure boilers,
- professional laundries,
- laboratories, cosmetics,
- car wash,
- any application requiring RO water.

SPECIFICATIONS

- Inlet isolating valve
- Pressure gauge
- Activated carbon for chlorine removal
- 1µm cartridge filtration
- Adjustable low inlet pressure switch
- Vertical multistage pump
- Valve to adjust the service pressure with pressure gauge
- Fiberglass membrane housings
- Low energy 4" Membranes
- Conductivity probe.
- Scaled flow control valve for the recirculation of the concentrate
- Flush solenoid valve.
- Flowmeter on the permeate line.
- Flowmeter on the concentrate line
- Sampling on permeate.
- 3-way quality purge valve (optional)
- Osmeo Control Plus LCD control unit

Osmeo Easy Plus 4"

OPERATING PARAMETERS

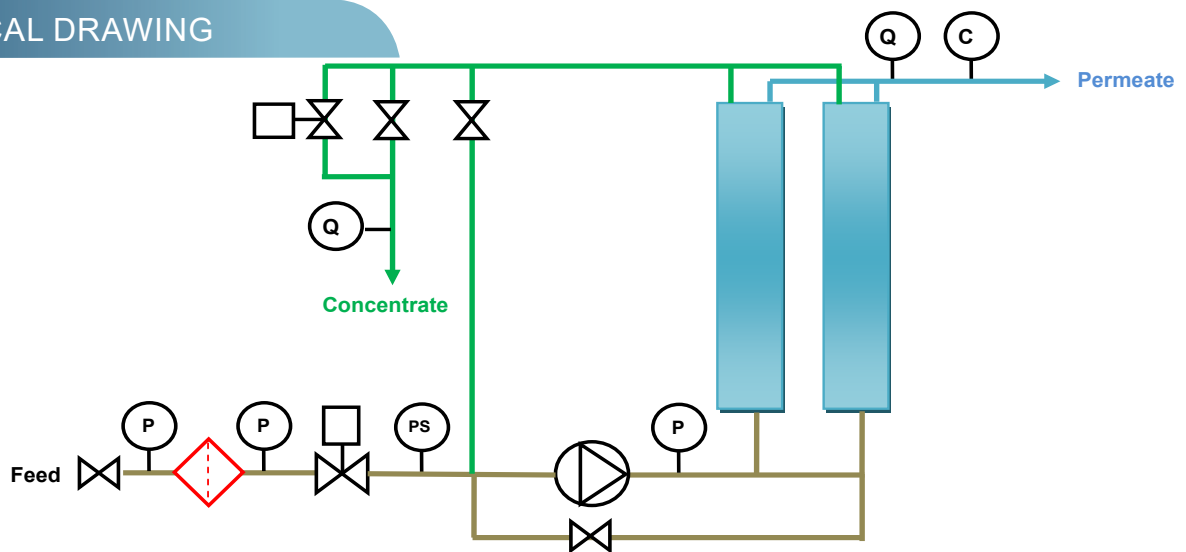
Feed pressure min/max	2 / 5 bars	SDI15 (fouling index)	< 3
Maximum temperature	37°C	Organic matter	< 3ppm
TDS Max	< 2000ppm	Free chlorine	<0.1ppm
Iron + Manganese concentration	<0.1ppm	Minimum rejection	99.1%

TECHNICAL DATA

MODEL	Osmeo 1500 Plus	Osmeo 1800 Plus	Osmeo 2100 Plus	Osmeo 2400 Plus
Production flowrate 15°C and 500ppm	1500	1800	2100	2400
Concentrate flow rate (L/h)	500	600	700	800
Feed flow rate (L/h)	2000	2400	2800	3200
Recovery	75%	75%	75%	75%
Number of membranes	5	6	7	8
Service pressure (bar)	12	12	12	12
Permeate counter pressure (bar)	0.5	0.5	0.5	0.5
Filtration type Activated Carbon	2 x Big Blue 20"	2 x Big Blue 20"	2 x Big Blue 20"	2 x Big Blue 20"
Filtration type 1µm	Big Blue 20"	Big Blue 20"	Big Blue 20"	Big Blue 20"
Power (kW)	2.2	2.2	2.2	2.2
Electrical supply	3x400V + Ground + Neutral			
Interface ND (mm)	25/20/15		25/25/15	
Feed/Permeate/Drain	25/20/15		25/25/15	
Dimensions (mm)				
Length	1350	1350	1350	1350
Depth	660	660	660	660
Height	1860	1860	1860	1860

* The permeate flow rate varies with the water temperature, approximately 3% per °C.

TECHNICAL DRAWING



ADH2OC INDUSTRIAL

Headquarters

3, Rue Kercoz
22 220 TRÉGUIER - FRANCE

Tel +33 (0)2 96 40 02 50
Fax +33 (0)2 22 44 98 48

www.adh2oc-industrial.com

Workshop

Lieudit «La Vallée Douard»
28500 CHÉRISY - FRANCE

Tel +33 (0)2 37 50 20 79
Fax +33 (0)2 22 44 98 48

e-mail : infos@adh2oc-industrial.com