

2.3 COMPACT STATION FOR WATER REUSE THROUGH A HIGH EFFICIENCY MEMBRANE SYSTEM

REUSE BY A HIGH EFFICIENCY MEMBRANE SYSTEM

- In accordance with the R.D. 1620/2007 norm.
- System suitable for treated urban residual water and car wash.
- Reuse system composed of:
 - Ultrafiltration modules with tubular hydrophilic membrane, hollow fiber reinforced with a pore size $< 0.1 \mu\text{m}$. Suitable for water reuse process.

Membrane material	PVDF modify
Active membrane area	38 m ²
Inlet / Outlet	DN32
Pores size (microns)	<0,1
Fiber ID / OD	0.6/1.2 mm
Filtration type	Outside / Inside
Diameter	160 mm
Length	1730 mm
Structure material	ABS
Fixation material	epoxy

- Cleaning system composed of a pressure tank, reactive reservoir, dosification system and disinfectant agents control; blower and cleaning pump.
- Power system composed of filtration modules with centrifugal pumps, valves and level system.
- Security prefilter.
- Instrumentalization: flowmeter, sensors, connections and valves.
- Panel board with automaton or manual control.
- GFRP structure with hydraulic and electrical elements interconnection.



REF: MBR-AUT



MBR-AUT SYSTEM	Automatic	Automatic	Automatic	Automatic	Automatic
FLOW m³/h	2	4	8	12	16
MINIMAL / MAXIMAL FLOW m³/h	1,9-3	3,8-8	7,6-18	11,4-28	15,2-38
CARTRIDGE NUMBER	1	2	4	6	8
Structure length [mm]	2.275	2.445	2.615	2.790	2.980
Structure width [mm]	1.040	1.040	1.130	1.250	1.450
Structure height [mm]	2.075	2.075	2.075	2.075	2.075
Installed power	1,95 kW	2,25 kW	3,00 kW	4,00 kW	4,75 kW
Optional					
Electromagnetic flowmeter					
Water maintenance in the tank					
Pressure tank	Custom made	Custom made	Custom made	Custom made	Custom made

REF: MBR-MAN

MBR-MAN SYSTEM	Manual	Manual	Manual	Manual	Manual
FLOW m³/h	2	4	8	12	16
MINIMAL / MAXIMAL FLOW m³/h	1,9-3	3,8-8	7,6-18	11,4-28	15,2-38
CARTRIDGE NUMBER	1	2	4	6	8
Structure length [mm]	2.275	2.445	2.615	2.790	2.980
Structure width [mm]	1.040	1.040	1.130	1.250	1.450
Structure height [mm]	2.075	2.075	2.075	2.075	2.075
Installed power	1,95 kW	2,25 kW	3,00 kW	4,00 kW	4,75 kW
Optional					
Electromagnetic flowmeter					
Water maintenance in the tank					
Pressure tank	Custom made	Custom made	Custom made	Custom made	Custom made