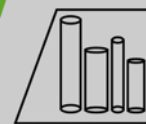


# MEMBRANES R.O AND ANTISCALING



*INDEX*

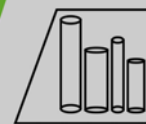
**MWG**  
ITALIAN WATER TECHNOLOGY



## MWG Membranes

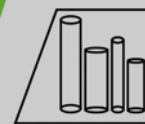


Ref	Description	Fam.	Subfam.	Disp. Stock	
MMRO1812-50	MWG 1.8" MEMBRANE RO1812-50	030	151	•	
MMRO1812-75	MWG 1.8" MEMBRANE RO1812-75	030	151	•	
MMRO2012-100	MWG 2" MEMBRANE RO2012-100	030	151	•	
MMRO2012-150	MWG 2" MEMBRANE RO2012-150	030	151	•	
MMRO2812-200	MWG 2.8" MEMBRANE RO2812-200	030	156	•	
MMRO3012-300	MWG 3" MEMBRANE RO3012-300	030	156	•	
MMRO3012-400	MWG 3" MEMBRANE RO3012-400	030	156	•	
MMNF1812	MWG 1.8" MEMBRANE NF-1812	030	151	•	
MMNF2012	MWG 2" MEMBRANE NF-2012	030	151	•	
MMNF3012	MWG 3" MEMBRANE NF-3012	030	156	•	
MMXLP2521	MWG 2.5" MEMBRANE XLP-2521	030	161	•	
MMXLP2540	MWG 2.5" MEMBRANE XLP-2540	030	161	•	
MMXLP4021	MWG 4" MEMBRANE XLP-4021	030	162	•	
MMXLP4040	MWG 4" MEMBRANE XLP-4040	030	162	•	
MMXLP8040	MWG 8" MEMBRANE XLP-8040	035	163	•	
MMXLP8040HR	MWG 8" MEMBRANE XLP-8040HR	035	163	•	
MMULP2540	MWG 2.5" MEMBRANE ULP-2540	030	161	•	
MMULP4021	MWG 4" MEMBRANE ULP-4021	030	162	•	
MMULP4040	MWG 4" MEMBRANE ULP-4040	030	162	•	
MMULP4040HR	MWG 4" MEMBRANE ULP-4040MR	030	162	•	
MMULP4040MR	MWG 4" MEMBRANE ULP-4040MR	030	162	•	
MMULP8040	MWG 8" MEMBRANE ULP-8040	035	163	•	
MMULP8040MR	MWG 8" MEMBRANE ULP-8040MR	035	163	•	
MMBW4040	MWG 4" MEMBRANE BW-4040	030	162	•	
MMBW4040FR	MWG 4" MEMBRANE BW-4040FR	030	162	•	
MMBW8040	MWG 8" MEMBRANE BW-8040	035	163	•	
MMBW8040FR	MWG 8" MEMBRANE BW-8040FR	035	163	•	
MMBW8040HR	MWG 8" MEMBRANE BW-8040HR	035	163	•	
MMSW2521	MWG 2.5" MEMBRANE SW-2521	030	161	•	
MMSW2540	MWG 2.5" MEMBRANE SW-2540	030	161	•	
MMSW4021	MWG 4" MEMBRANE SW-4021	030	162	•	
MMSW4040	MWG 4" MEMBRANE SW-4040	030	162	•	
MMSW4040HR	MWG 4" MEMBRANE SW-4040HR	030	162	•	
MMSW8040	MWG 8" MEMBRANE SW-8040	035	163	•	
MMSW8040HR	MWG 8" MEMBRANE SW-8040HR	035	163	•	
MMSW8040MR	MWG 8" MEMBRANE SW-8040MR	035	163	•	
MMNF2-2540	MWG 2.5" MEMBRANE NF2-2540	030	161	•	
MMNF1-4040R	MWG 4" MEMBRANE NF2-4040	030	162	•	
MMNF2-4040	MWG 4" MEMBRANE NF2-4040	030	162	•	
MMNF2-8040	MWG 8" MEMBRANE NF2-8040	035	163	•	



## MWG Membranes

Ref	Mod.	Permeate flow rate GPD (m <sup>3</sup> /d)	Rejection NaCl (%)	Effective area m <sup>2</sup> (ft <sup>2</sup> )	Spacer (mil)	Test	NSF
MMRO1812-50	TW RO	50 (0,19)	98,0	0,37 (4)	X	1	58
MMRO1812-75	TW RO	75 (0,28)	98,0	0,37 (4)	X	1	58
MMRO2012-100	TW RO	100 (0,38)	98,0	0,56 (6)	X	1	58
MMRO2012-150	TW RO	150 (0,57)	98,0	0,56 (6)	X	1	58
MMRO2812-200	TW RO	200 (0,76)	98,0	0,93 (10)	X	1	58
MMRO3012-300	TW RO	300 (1,14)	98,0	1,3 (14)	X	1	58
MMRO3012-400	TW RO	400 (1,52)	98,0	1,3 (14)	X	1	58
MMNF1812	TW NF	100 (0,38) 100 (0,38)	30-5096,0	0,37 (4)	X	2	X
MMNF2012	TW NF	150 (0,57) 150 (0,57)	30-5096,0	0,56 (6)	X	2	X
MMNF3012	TW NF	350 (1,32) 350 (1,32)	30-5096,0	1,3 (14)	X	2	X
MMXLP2521	XLP	300 (1,13)	99,2	1,3 (14)	X	3	X
MMXLP2540	XLP	600 (2,27)	99,2	2,5 (27)	X	3	X
MMXLP4021	XLP	800 (3,04)	99,2	3,4 (36)	X	3	X
MMXLP4040	XLP	2.400 (9,1)	99,2	7,9 (85)	X	4	X
MMXLP8040	XLP	11.000 (41,6)	99,2	37,2 (400)	X	4	X
MMXLP8040HR	XLP	9.000 (34,1)	99,3	35,3 (380)	X	4	X
MMULP2540	LP	750 (2,84)	99,3	2,5 (27)	X	5	X
MMULP4021	LP	950 (3,6)	99,3	3,4 (36)	X	5	61
MMULP4040	LP	2.600 (9,8)	99,3	7,9 (85)	X	5	61
MMULP4040HR	LP	1.800 (6,8)	99,7	7,9 (85)	X	5	61
MMULP4040MR	LP	2.200 (8,3)	99,6	7,9 (85)	X	5	61
MMULP8040	LP	12.000 (45,4)	99,3	39 (420)	X	5	61
MMULP8040MR	LP	10.000 (37,8)	99,6	37,2 (400)	X	5	X
MMBW4040	BW	2.400 (9,1)	99,6	7,9 (85)	X	6	61
MMBW4040FR	BW	2.000 (7,6)	99,7	7,2 (78)	X	6	X
MMBW8040	BW	10.500 (39,7)	99,6	37,2 (400)	X	6	61
MMBW8040FR	BW	9.000 (34,1)	99,7	34 (365)	X	6	X
MMBW8040HR	BW	9.500 (35,9)	99,7	35,5 (380)	X	6	X
MMSW2521	SW	300 (1,13)	99,7	1,3 (14)	X	7	58
MMSW2540	SW	600 (2,27)	99,7	2,5 (27)	X	7	58
MMSW4021	SW	800 (3,04)	99,7	3,4 (36)	X	7	58
MMSW4040	SW	1.800 (6,8)	99,7	7,9 (85)	X	7	58
MMSW4040HR	SW	1.500 (5,7)	99,7	7,2 (78)	X	7	58
MMSW8040	SW	8.500 (32,1)	99,7	37,2 (400)	X	7	58
MMSW8040HR	SW	6.500 (24,6)	99,7	35,3 (380)	X	7	58
MMSW8040MR	SW	7.500 (28,3)	99,7	37,2 (400)	X	7	X
MMNF2-2540	NF	800 (3,04) 800 (3,04)	30-50 96,0	2,5 (27)	X	8	X
MMNF1-4040R	NF	1.800 (6,8) 1.800 (6,8)	> 85 99,0	7,9 (85)	X	8	X
MMNF2-4040	NF	2.400 (9,1) 2.400 (9,1)	30-50 96,0	7,9 (85)	X	8	X
MMNF2-8040	NF	12.000 (45,4) 12.000 (45,4)	30-50 96,0	37,2 (400)	X	8	X

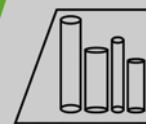


## MWG Membranes

Test condition	Pressure (psi)	Temperature of solution NaCl (°C)	Concentration of NaCl solution (ppm)	Concentration of MgSO4 solution (ppm)	pH	Recovery rate (%)
1	60	25	250	-	7,5-8,0	15
2	60	25	250	250	7,5-8,0	15
3	100	25	500	-	7,5-8,0	8
4	100	25	500	-	7,5-8,0	15
5	150	25	500	-	7,5-8,0	15
6	225	25	2000	-	7,5-8,0	15
7	800	25	32000	-	7,5-8,0	8
8	70	25	500	2000	7,5-8,0	15

**TW RO:** Residential RO - **XLP:** Extra Low Pressure - **BW:** Brackish Water - **NF:** Nano Filtration - **TW NF:** Industrial NF - **LP:** Low Pressure - **SW:** Sea Water

Certificates	Manufacturer	Sectors
DM174-2004	<b>MWG</b>	Domestic, Commercial, Industrial



## Antiscaling for R. O. Membranes Permascale Eut 110



- PERMASCALE EUT110 is a product that prevents scales and iron sediment on R.O. membranes systems;
- For industrial systems and for potable water treatment systems;
- Very effective on various kinds of water, minimize the fouling and reduce the frequency of membranes cleaning;
- Particularly suitable for big plants with permeate flows higher than 100 m<sup>3</sup>/day;
- Compatible with all kinds of membranes;
- Replace totally or partially the acidification;
- Easy to use due to the liquid form.

### Use

- Injection by dosing pump of pure or diluted product.
- The dosage is according to the concentration of scaling salts and iron, and can vary from 2 to 10 cm<sup>3</sup>/m<sup>3</sup> of feed water

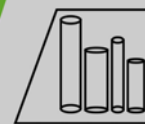
### Instructions and Packaging

- Handling: following safety data sheet. Take the normal precautions to handle chemical products.
- Packaging: 25 kg drum.
- Storage: closed on the original packaging, sheltered from cold and heat.

Characteristics:	
Formulation	special phosphonated
pH	7,8 ± 0,5
Appearance	light yellow liquid
Density a 20°C	1,30 ± 0,05 g/ml
Checking	phosphonated value
Solubility in water	complete

Ref	Description	Fam.	Subfa m.	Disp. Stock	
EA100	PERMASCALE EUT 110	035	191	•	

Certificates	Manufacturer	Sectors
	<b>MWG</b>	Commercial, Industrial



## Antiscaling for R.O. Membranes Permascale EUT 120

- PERMASCALE EUT120 is a product that prevents scales and iron sediment on R.O. membranes systems;
- Very effective on various kinds of water, minimize the fouling and reduce the frequency of membranes cleaning;
- Particularly suitable for plants with permeate flows lower than 100 m3/day;
- Compatible with all kinds of membranes;
- Replace totally or partially the acidification;
- Easy to use due to the liquid form.

### Use

- Injection by dosing pump of pure or diluted product:
- The dosage is according to the concentration of scaling salts and iron, and can vary from 3 to 13 cm3/m3 of feed water.

### Instructions and packaging

- Handling: following safety data sheet. Take the normal precautions to handle chemical products.
- Packaging: 25 kg drum.
- Storage: closed on the original packaging, sheltered from cold and heat.



Characteristics	
Formulation	special phosphonated
pH	7,5 ± 0,5
Appearance	light yellow liquid
Density a 20°C	1,30 ± 0,02 g/ml
Checking	phosphonated value
Solubility in water	complete

Ref	Description	Fam.	Subfam.	Disp. Stock
EA101	PERMASCALE EUT 120	035	191	•

Box: WxLxH	Box: Q.ty	Box: Weight	Pallet: WxLxH	Pallet: Q.ty	Pallet: Weight

Certificates	Manufacturer	Sectors
	<b>MWG</b>	Commercial, Industrial