
PureCleer
INDUSTRIAL REVERSE OSMOSIS
PRO SERIES


PC SERIES

1. ELECTRONIC CONTROL PANEL

The electronic PLC controls the operating parameters of the equipment and the start or stop depending on the water needs and automatic membrane flushing cycles.
The integrated electronic display indicates the operating phases of the equipment and external and internal anomalies, including:
- Full product water tank indicator.
- Membrane self-flushing in progress indicator
- Pre-installation for bottle-type washable filter.
- Safety shutdown due to water failure at the inlet.
- Operating hours counter.

2. AUTOMATIC INTERNAL SELF-CLEANING

Flushing type washing system with mains water that is activated periodically each time the equipment stops.

3. AUTOMATIC PRESSURE REGULATOR

Innovative system that maintains the adjusted working pressure regardless of the inlet pressure.

4. ADJUSTABLE WATER CONVERSION

Integrated adjustment system for the percentage of water conversion to optimize consumption and energy expenditure.

5. HIGH PERFORMANCE PUMP

Medium pressure pump with special construction specification. Stainless steel body with magnetic drive to prevent liquid loss. No rotating element is in contact with the atmosphere.

6. HYDRAULIC PANEL

With pressure gauges to control working pressures.

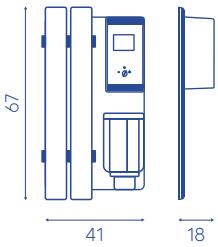
7. AUTOMATIC/MANUAL START/STOP SYSTEM

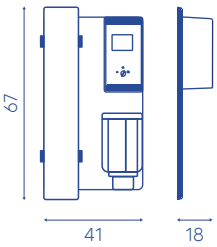
Level switch included in the supply.

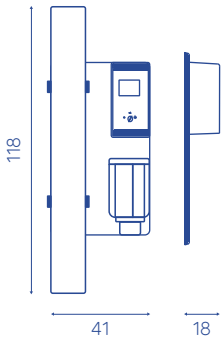
8. LATEST GENERATION TORAY MEMBRANES

Membrane/container assembly for easy maintenance. Low working pressure and low electricity consumption. High rejection of salts.

(1) +/- 10% at start-up with the maximum salinity indicated (in NaCL) in the table, 20 °C temperature, pH 7 and 50% recovery. The production decreases with a higher amount of dissolved solids or with a lower temperature and vice versa. The performance of the equipment is calculated with a temperature of the water to be treated of 20 °C.







EQUIPMENT MODEL	PCQ HL-50	PCQ HL-95	PCQ HL-125	PCQ L-50	PCQ L-95	PCQ L-125
REFERENCE CODE	**232600**	**232602**	**232604**	**232601**	**232603**	**232605**
PRODUCTION CAPACITY LITRES PER DAY	1200	2280	3000	1200	2300	3000
PRODUCTION CAPACITY LITRES PER HOUR	50	95	125	50	95	125
NUMBER OF MEMBRANES	2	1	1	2	1	1
MODEL OF MEMBRANES	2521	4021	4040	2521	4021	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	3500	3500	3500	6000	6000	6000
RECOVERY PERCENTAGE	ADJUSTABLE UP TO 50%	ADJUSTABLE UP TO 50%	ADJUSTABLE UP TO 50%	ADJUSTABLE UP TO 50%	ADJUSTABLE UP TO 50%	ADJUSTABLE UP TO 50%
MAX. WORKING PRESSURE (KG/CM2)	14	14	14	18	18	18
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	1	1	1	1	1	1
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35	3-35
INLET PH	3-11	3-11	3-11	3-11	3-11	3-11
INLET MAXIMUM LEVEL OF CHLORINE (PPM)	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1
INSTALLED POWER (KW)	0,37	0,37	0,37	0,37	0,37	0,37
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220V	II 220V	II 220V	II 220V	II 220V	II 220V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	NO	NO	NO	NO	NO	NO
INLET CONECTION (MM PUSH IN)	8	12	12	8	12	12
PRODUCT CONNECTION (MM PUSH IN)	8	12	12	8	12	12
REJECT CONNECTION (MM PUSH IN)	8	12	12	8	12	12
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	67x41x18	67x41x18	118x41x18	67x41x18	67x41x18	118x41x18

1. ELECTRONIC CONTROL PANEL

The electronic PLC controls the operating parameters of the equipment and the start or stop depending on the water needs and automatic membrane flushing cycles. The integrated electronic display indicates the operating phases of the equipment and external and internal anomalies, including:
- Full product water tank indicator.
- Membrane self-flushing in progress indicator
- Pre-installation for bottle-type washable filter.
- Safety shutdown due to water failure at the inlet.
- Operating hours counter.

2. AUTOMATIC INTERNAL SELF-FLUSHING

Flushing type washing system with mains water that is activated periodically each time the equipment stops.

3. AUTOMATIC PRESSURE REGULATOR

Innovative system that maintains the adjusted working pressure regardless of the inlet pressure.

4. ADJUSTABLE WATER CONVERSION

Integrated water conversion percentage adjustment system to optimize the quality of permeated water, consumption and energy expenditure.

5. HIGH PERFORMANCE PUMP

Medium pressure pump with special construction specification. Stainless steel body.

6. HYDRAULIC PANEL

With pressure gauges to control working pressures.

7. AUTOMATIC/MANUAL START/STOP SYSTEM

Level switch included in the supply.

8. LASTEST GENERATION TORAY MEMBRANES

Membrane/container assembly that facilitates maintenance. Low working pressure and low electricity consumption. High rejection of salts.

9. SECURITY FILTRATION

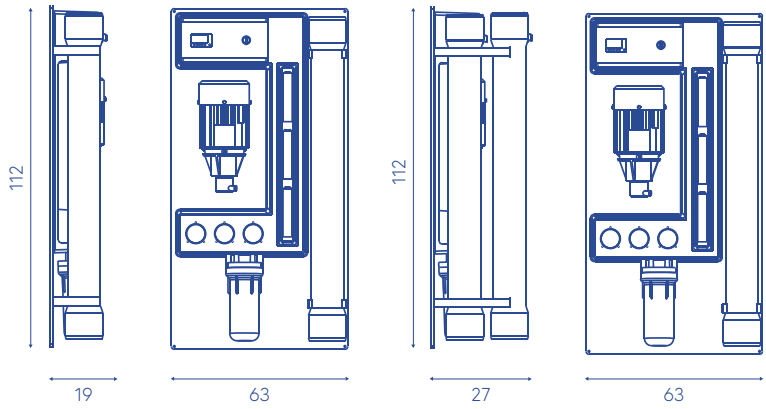
Great capacity. 1 micron pleated filter.

10. 10. PRODUCT WATER CONDUCTIVITY METER (OPTIONAL)

11. FLUSHING SYSTEM (OPTIONAL)

With osmosis water.

(1) +/- 10% at start-up with the maximum salinity indicated (in NaCL) in the table, 20 °C temperature, pH 7 and 50% recovery. The production decreases with a higher amount of dissolved solids or with a lower temperature and vice versa. The performance of the equipment is calculated with a temperature of the water to be treated of 20 °C.



EQUIPMENT MODEL	PCB HL-175	PCB HL-350	PCB L-175	PCB L-350
REFERENCE CODE	**232606**	**232608**	**232607**	**232609**
PRODUCTION CAPACITY LITRES PER DAY	4200	8400	4200	8400
PRODUCTION CAPACITY LITRES PER HOUR	175	350	175	350
NUMBER OF MEMBRANES	1	2	1	2
MODEL OF MEMBRANES	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	3500	3500	6000	6000
RECOVERY PERCENTAGE	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%
MAX. WORKING PRESSURE (KG/CM2)	14	14	18	18
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	1	1	1	1
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35
INLET PH	3-11	3-11	3-11	3-11
INLET MAXIMUM LEVEL OF CHLORINE (PPM)	<0,1	<0,1	<0,1	<0,1
INSTALLED POWER (KW)	0,75	0,75	1,1	1,1
POWER SUPPLY (50 Hz SINGLE PHASE)	III 220-380V II 220V (OPCIONAL)	III 220-380V II 220V (OPCIONAL)	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	NO	NO	NO	NO
INLET CONECTION (MM PUSH IN)	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE
PRODUCT CONNECTION (MM PUSH IN)	12	12	12	12
REJECT CONNECTION (MM PUSH IN)	12	12	12	12
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	112x19x63	112x27x63	112x19x63	112x27x63

1. ELECTRONIC CONTROL PANEL

The electronic PLC controls the operating parameters of the equipment and the start or stop depending on the water needs and automatic membrane flushing cycles. The integrated electronic display indicates the operating phases of the equipment and external and internal anomalies, including:
- Full product water tank indicator.
- Membrane self-flushing in progress indicator
- Pre-installation for bottle-type washable filter.
- Safety shutdown due to water failure at the inlet.
- Operating hours counter.

2. AUTOMATIC INTERNAL SELF-FLUSHING

Flushing type washing system with mains water that is activated periodically each time the equipment stops.

3. AUTOMATIC PRESSURE REGULATOR

Innovative system that maintains the adjusted working pressure regardless of the inlet pressure.

4. ADJUSTABLE WATER CONVERSION

Integrated water conversion percentage adjustment system to optimize the quality of permeated water, consumption and energy expenditure.

5. GRUNDFOS HIGH PERFORMANCE PUMP

Medium pressure pump. Centrifugal, made of stainless Steel 316 for heavy duty.

6. HYDRAULIC PANEL

With pressure gauges to control working pressures.

7. AUTOMATIC/MANUAL START/STOP SYSTEM

Level switch included in the supply.

8. LASTEST GENERATION TORAY MEMBRANES

Membrane/container assembly that facilitates maintenance. Low working pressure and low electricity consumption. High rejection of salts.

9. SECURITY FILTRATION

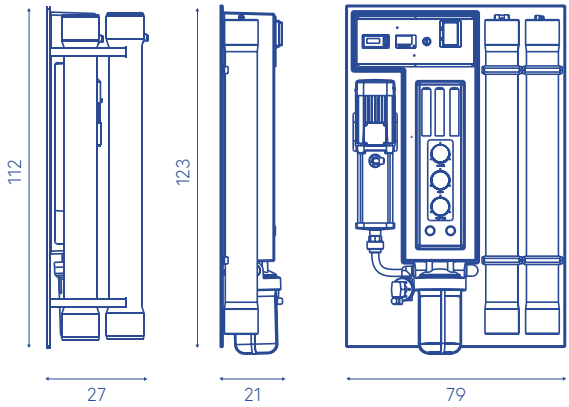
Great capacity. 1 micron pleated filter.

10. 10. PRODUCT WATER CONDUCTIVITY METER (OPTIONAL)

11. FLUSHING SYSTEM (OPTIONAL)

With osmosis water.

(1) +/- 10% at start-up with the maximum salinity indicated (in NaCL) in the table, 20 °C temperature, pH 7 and 50% recovery. The production decreases with a higher amount of dissolved solids or with a lower temperature and vice versa. The performance of the equipment is calculated with a temperature of the water to be treated of 20 °C.



EQUIPMENT MODEL	PCM HL-180	PCM HL-360	PCM HL-540	PCM HL-720	PCM L-180	PCM L-360	PCM L-540	PCM L-720
REFERENCE CODE	**232662**	**232610**	**232612**	**232614**	**232663**	**232611**	**232613**	**232615**
PRODUCTION CAPACITY LITRES PER DAY	4320	8640	12960	17280	4320	8640	12960	17280
PRODUCTION CAPACITY LITRES PER HOUR	180	360	540	720	180	360	540	720
NUMBER OF MEMBRANES	1	2	3	4	1	2	3	4
MODEL OF MEMBRANES	4040	4040	4040	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	3500	3500	3500	3500	6000	6000	6000	6000
RATIO OF WATER PRODUCED / REJECTED WATER	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%
MAX. WORKING PRESSURE (KG/CM2)	14	14	14	14	18	18	18	18
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	1	1	1	1	1	1	1	1
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35	3-35	3-35	3-35
INLET PH	3-11	3-11	3-11	3-11	3-11	3-11	3-11	3-11
INLET MAXIMUM LEVEL OF CHLORINE (PPM)	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1
INSTALLED POWER (KW)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
POWER SUPPLY (50 Hz SINGLE PHASE)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)	III 220-380V II 220V (OP.)
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE	1" BSP FEMALE
PRODUCT CONNECTION (MM PUSH IN)	12	12	12	12	12	12	12	12
REJECT CONNECTION (MM PUSH IN)	12	12	12	12	12	12	12	12
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	123x79x21	123x79x21	123x79x27	123x79x27	123x79x21	123x79x21	123x79x27	123x79x27