



PureCleer

INDUSTRIAL REVERSE OSMOSIS

PRO SERIES



IFK SERIES



1. HYDRAULIC SAFETY CIRCUIT

Product water circuit manufactured with materials approved for food use and up to 7 bar working pressure.

2. CONTROL ROTAMETERS

Complete measurement of operating flows.

3. HYDRAULIC PANEL

Pre-filtration and RO circuit control pressure gauges in stainless steel and glycerin bath.

4. 316 STAINLESS STEEL PUMP WITH ELECTRONIC CONTROL

Frequency converter, which saves energy by keeping the reverse osmosis circuit pump in the ideal working regime. The integrated display indicates the electrical working conditions, current consumption, voltage, etc.

5. INTEGRAL CONTROL AUTOMATION

Control of the operating parameters of the equipment and external failures such as lack of water at the inlet. The electronic display indicates the quality of the product water, equipment operating phases, accumulated hours since the first start-up and both external and internal anomalies. The system includes pre-installation for a bottle-type washable filter.

6. SAFETY PRE-FILTRATION

Replaceable 1-micron pleated cartridges for continuous working, made of polyester resistant to organic contamination. Filtering surface of each prefilter of 1.5 m² and 3 m² in the IFK-1000 model and higher.

7. LASTEST GENERATION MEMBRANES

Membrane/container assembly that facilitates equipment maintenance. With high rejection of salts and with an increased surface area of up to 8m² each, special for IFK equipment. Low working pressure and low electricity consumption. Product water quality notably better than with conventional membranes.

8. STAINLESS STEEL CHASSIS

One piece, moulded in polyester reinforced in fibre-glass. Eliminates corrosion problems and extends the useful life of the equipment

9. READING CONDUCTIVITY METER

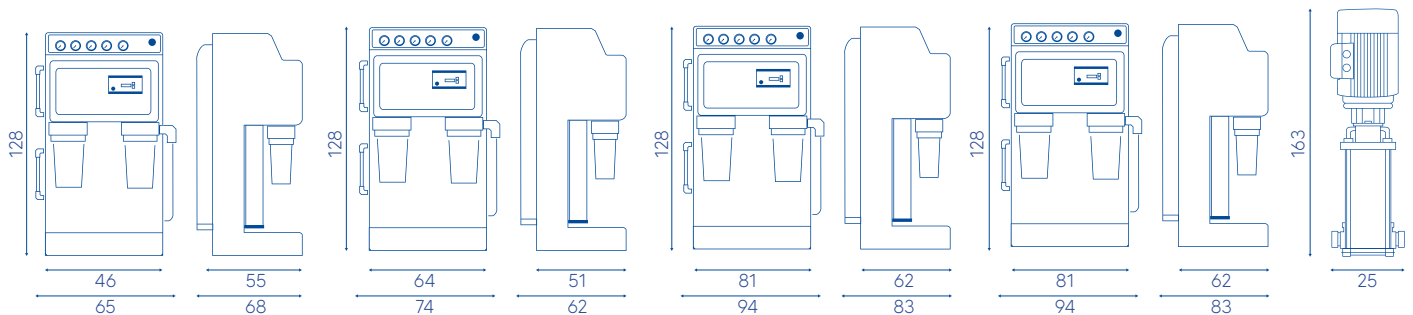
10. WASHING SYSTEM (OPTIONAL HL MODELS)

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.



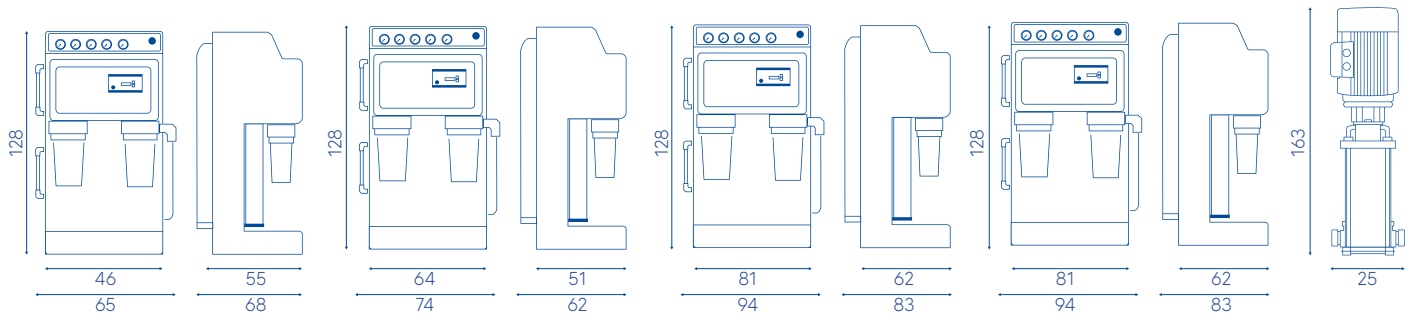
EQUIPMENT MODEL	IFK HL-190	IFK HL-380	IFK HL-570	IFK HL-760	IFK HL-950
REFERENCE CODE	232616	232620	232624	232628	232632
PRODUCTION CAPACITY LITRES PER DAY	4560	9150	13680	18240	22800
PRODUCTION CAPACITY LITRES PER HOUR	190	380	570	760	950
NUMBER OF MEMBRANES	1	2	3	4	5
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	3500	3500	3500	3500	3500
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%
MAX. WORKING PRESSURE (KG/CM2)	14	14	14	14	14
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	1,1	1,1	1,1	1,1	1,1
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 III 220-380V	II 220 III 220-380V	II 220 III 220-380V	II 220 III 220-380V	II 220 III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	-	-	-	-	Sí
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1/2"
REJECT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x65x68	128x65x68	128x65x68	128x74x62	128x74x62



EQUIPMENT MODEL	IFK HL-1150	IFK HL-1350	IFK HL-1500	IFK HL-1700	IFK HL-2100
REFERENCE CODE	232636	232640	232644	232648	232651
PRODUCTION CAPACITY LITRES PER DAY	27450	32000	36000	40000	50000
PRODUCTION CAPACITY LITRES PER HOUR	1150	1350	1500	1700	2100
NUMBER OF MEMBRANES	6	8	9	10	12
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	3500	3500	3500	3500	3500
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%
MAX. WORKING PRESSURE (KG/CM ²)	14	14	14	14	14
MIN. INLET PRESSURE DYNAMIC (KG/CM ²)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	1,1	1,5	2,2	3	3
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	III 220-380V	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
REJECT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x74x62	128x94x83	128x94x83	128x94x83	128x94x93
PUMP DIMENSIONS WIDTH x DEPTH (CM)					163x25



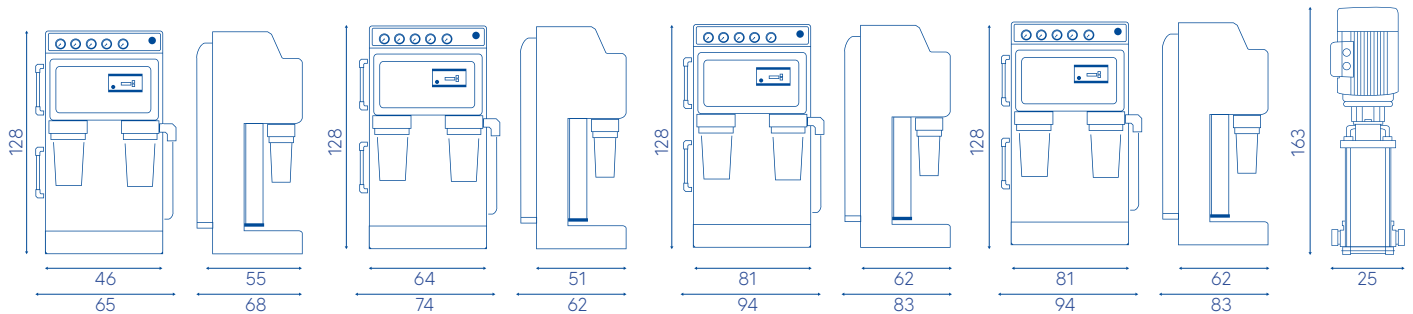
EQUIPMENT MODEL	IFK L-190	IFK L-380	IFK L-570	IFK L-760	IFK L-950
REFERENCE CODE	232617	232621	232625	232629	232633
PRODUCTION CAPACITY LITRES PER DAY	4560	9150	13680	18240	22800
PRODUCTION CAPACITY LITRES PER HOUR	190	380	570	760	950
NUMBER OF MEMBRANES	1	2	3	4	5
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	6000	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%
MAX. WORKING PRESSURE (KG/CM2)	18	18	18	18	18
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	1,1	1,1	1,1	1,5	1,5
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220(OPC.) III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	-	-	-	si	si
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1/2"
REJECT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x65x68	128x65x68	128x65x68	128x74x62	128x74x62



EQUIPMENT MODEL	IFK L-1150	IFK L-1350	IFK L-1500	IFK L-1700	IFK L-2100
REFERENCE CODE	232637	232641	232645	232649	232652
PRODUCTION CAPACITY LITRES PER DAY	27450	32000	36000	40000	50000
PRODUCTION CAPACITY LITRES PER HOUR	1150	1350	1500	1700	2100
NUMBER OF MEMBRANES	6	8	9	10	12
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	6000	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%
MAX. WORKING PRESSURE (KG/CM ²)	18	18	18	18	18
MIN. INLET PRESSURE DYNAMIC (KG/CM ²)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	1,5	1,5	3	3	3
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	III 220-380V	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
REJECT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x74x62	128x94x83	128x94x83	128x94x83	128x94x93
PUMP DIMENSIONS WIDTH x DEPTH (CM)					163x25



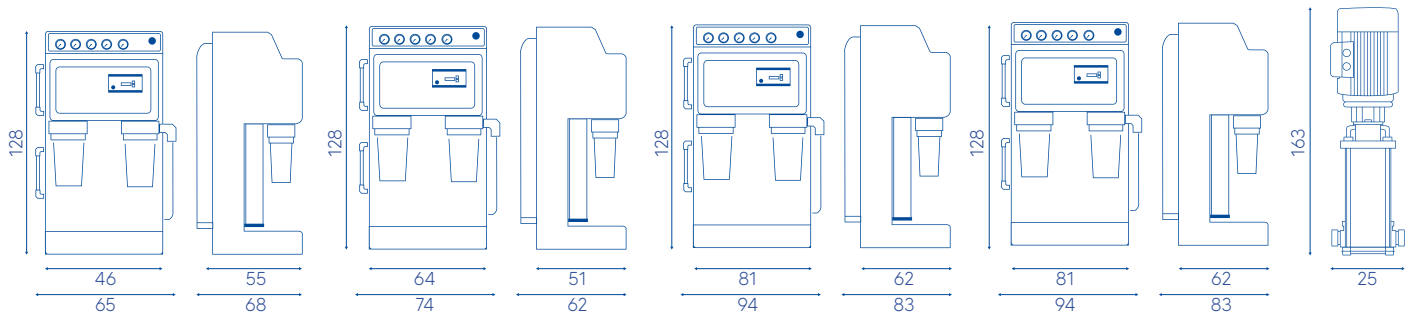
EQUIPMENT MODEL	IFK M-190	IFK M-380	IFK M-570	IFK M-760	IFK M-950
REFERENCE CODE	232618	232622	232626	232630	232634
PRODUCTION CAPACITY LITRES PER DAY	4560	9150	13680	18240	22800
PRODUCTION CAPACITY LITRES PER HOUR	190	380	570	760	950
NUMBER OF MEMBRANES	1	2	3	4	5
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	10000	10000	10000	10000	10000
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%
MAX. WORKING PRESSURE (KG/CM2)	22	22	22	22	22
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	1,5	1,5	1,5	1,5	2,2
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1/2"
REJECT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x65x68	128x65x68	128x65x68	128x74x62	128x74x62



EQUIPMENT MODEL	IFK M-1150	IFK M-1350	IFK M-1500	IFK M-2100
REFERENCE CODE	232638	232642	232646	232653
PRODUCTION CAPACITY LITRES PER DAY	27450	32000	36000	50000
PRODUCTION CAPACITY LITRES PER HOUR	1150	1350	1500	2100
NUMBER OF MEMBRANES	6	8	9	12
MODEL OF MEMBRANES	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99	99	99	99
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	10000	10000	10000	10000
RATIO OF WATER PRODUCED / REJECTED WATER	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%	ADJUSTABLE UP TO 75%
MAX. WORKING PRESSURE (KG/CM ²)	22	22	22	22
MIN. INLET PRESSURE DYNAMIC (KG/CM ²)	2	2	2	2
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)	2,2	3	3	3
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	III 220-380V	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1"	1"	1"	1"
REJECT CONNECTION (MM PUSH IN)	1"	1"	1"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x74x62	128x94x83	128x94x83	128x94x93
PUMP DIMENSIONS WIDTH x DEPTH (CM)				163x25



EQUIPMENT MODEL	IFK R-190	IFK R-380	IFK R-570	IFK R-760	IFK R-950
REFERENCE CODE	232619	232623	232627	232631	232635
PRODUCTION CAPACITY LITRES PER DAY	4560	9150	13680	18240	22800
PRODUCTION CAPACITY LITRES PER HOUR	190	380	570	760	950
NUMBER OF MEMBRANES	1	2	3	4	5
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99,2	99,2	99,2	99,2	99,2
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	15000	15000	15000	15000	15000
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%
MAX. WORKING PRESSURE (KG/CM2)	31	31	31	31	31
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	2,2	2,2	2,2	3	3
POWER SUPPLY (50 Hz SINGLE PHASE)	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	II 220 (OPC.) III 220-380V	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1/2"
REJECT CONNECTION (MM PUSH IN)	1/2"	1/2"	1/2"	1/2"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x65x68	128x65x68	128x65x68	128x74x62	128x74x62



EQUIPMENT MODEL	IFK R-1150	IFK R-1350	IFK R-1500	IFK R-1700	IFK R-2100
REFERENCE CODE	232639	232643	232647	232650	232654
PRODUCTION CAPACITY LITRES PER DAY	27450	32000	36000	40000	50000
PRODUCTION CAPACITY LITRES PER HOUR	1150	1350	1500	1700	2100
NUMBER OF MEMBRANES	6	8	9	10	12
MODEL OF MEMBRANES	4040	4040	4040	4040	4040
MEDIUM SALT REJECTION (%) UNTIL (1)	99,2	99,2	99,2	99,2	99,2
MAX SALINITY RECOMMENDED IN INLET WATER (PPM)	15000	15000	15000	15000	15000
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%
MAX. WORKING PRESSURE (KG/CM2)	31	31	31	31	31
MIN. INLET PRESSURE DYNAMIC (KG/CM2)	2	2	2	2	2
INLET WATER TEMPERATURE (MIN.-MAX. IN °C)	3-35	3-35	3-35	3-35	3-35
INLET PH	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
INSTALLED POWER (KW)	3	4	5,5	5,5	7,5
POWER SUPPLY (50 Hz SINGLE PHASE)	III 220-380V	III 220-380V	III 220-380V	III 220-380V	III 220-380V
ELECTRONIC CONTROL IN HIGH PRESSURE PUMP	SÍ	SÍ	SÍ	SÍ	SÍ
INLET CONECTION (MM PUSH IN)	1"	1"	1"	1"	1"
PRODUCT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
REJECT CONNECTION (MM PUSH IN)	1"	1"	1"	1"	1"
DIMENSIONS HEIGHT x WIDTH x DEPTH (CM)	128x74x62	128x94x83	128x94x83	128x94x83	128x94x93
PUMP DIMENSIONS WIDTH x DEPTH (CM)					163x25