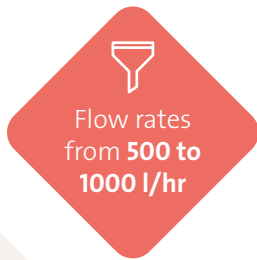


IONPRO™ LX

Reverse Osmosis & CEDI

The IONPRO™ LX systems produce high purity water with low bacteria levels.



FEATURES & BENEFITS

- I-Button security protection
- HMI: intuitive & simple to use; process information, performance calculations, warnings, alarms displayed on screen
- Stainless steel skid; longevity
- Aesthetically pleasing; moulded covers
- Compact skid; small foot print
- Standardised single-skid design; short lead times and quick start-up
- Flexible design solutions; easy upgrade, options
- Configurable set points
- Combined drain; simplicity
- Supplied with full Factory Acceptance Test (FAT)
- Integral automatic sanitisation (AutoSan); minimal operator involvement, reliable & repeatable



APPLICATIONS

- Pharmaceutical
- Microelectronics
- Central laboratory (analytical water grade 2)
- General manufacturing



OPTIONS

- Validation pack with schedules, Installation Qualification (IQ) and Operational Qualification (OQ)
- Degasser for performance enhancement

HYDREX® CHEMICALS

Hydrex™ 4000 water treatment chemicals from Veolia Water Technologies should be used for optimized plant operation.

RELATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.





System Performance & Dimensions

IONPRO® LX MkII Model			2-10	3-10	3-18	4-10	4-18
Nominal Flows* @15°C & 1 bar	Feed	m³/hr	0.75	1.10	1.10	1.50	1.50
	Product Water	m³/hr	0.50	0.75	0.75	1.00	1.00
Feed Water, Conductivity & CO ₂			High	Medium	High	Medium	High
<i>Nominal Flows* are given for indication, more accurate projections can be obtained using the System Sizing Programme (SSP)</i>							
Recovery		%	65-75				
Dimensions	Width	mm	800 (950 with optional Degasser)				
	Depth	mm	1100 (1300 with optional Degasser)				
	Height	mm	1570				
	Weight	kg	650	650	660	650	660
Salt Tank	Dia x Height	mm	550 x 850				
Salt Usage per Regeneration		kg	6				
Softener Output per Regeneration (200mg/l Total Hardness as CaCO ₃)		m³	10				
Connections	Feed		3/4" BSP (G) Female				
	Product		25mm uPVC Socket Union (option: 1" stainless steel tri-clamp)				
	Return		25mm uPVC Socket Union (option: 1" stainless steel tri-clamp)				
	Drain		40mm uPVC Socket Union				
Electrical Supply (50Hz)			380/400/415V : 3phase : 50Hz : 6.2 kVA				
Electrical Supply (60Hz)			220/380/400/415/480V : 3phase : 60Hz : 7 kVA				
Power Consumption			Depends on operating conditions - See SSP				

Material Specifications

Softeners	Noryl Heads Polyethylene Lined Vessels
Soft Water Tank	High Density Polyethylene
RO Pressure Vessels	PVC and fibreglass epoxy
Pipe Work	cPVC & uPVC
Frame	304 Stainless Steel
RO Pump	304 & 316 Stainless Steel
Power cabinet	Painted Mild Steel
RO Elements	4" x 40" Thin-Film Composite
CEDI Module	Robust Wide Cell Technology

Feed Water Requirements

General	Potable water free from organics, colloids and suspended solids (SDI < 3)
Pressure	3.5 bar minimum, 6 bar maximum
Temperature	5 - 25°C
Total Dissolve Solids (TDS)	< 1000 ppm
Iron	< 0.1 ppm
Manganese	< 0.05 ppm
Free Chlorine	< 0.25 ppm with Activated Carbon Cartridge Filters < 0.02 ppm with Pleated Depth Cartridge Filters
Total Hardness	< 400 ppm as CaCO ₃