ZenithPura

苏州新鼎汇环保科技有限公司

SUZHOU XINDINGHUI ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.

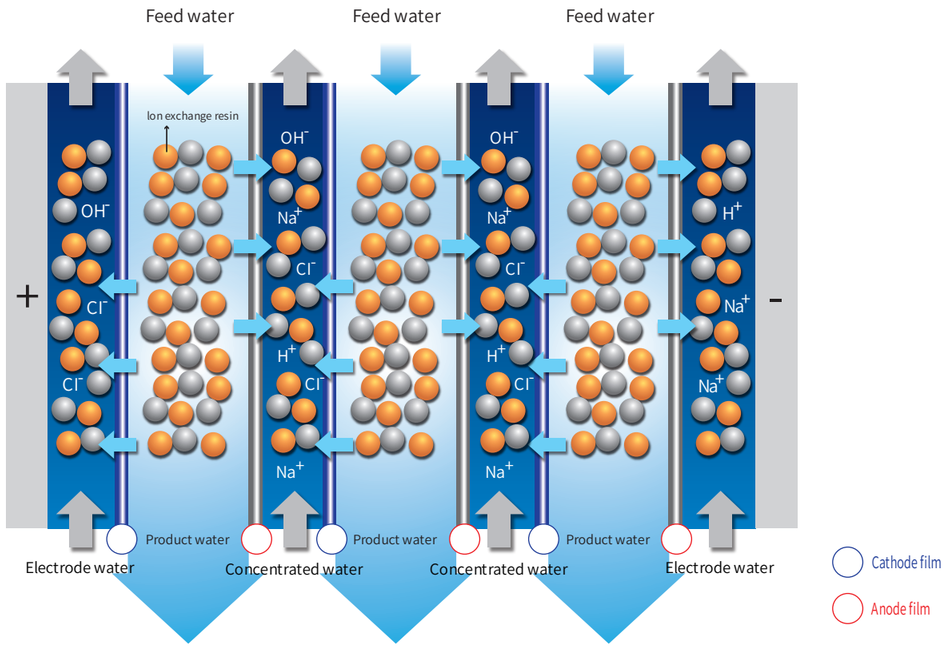
地址：江苏省苏州市相城区元和街道宣公路588号元和塘科技文化研发社区1号楼5楼550室

ADD: Room 550, 5th Floor, Building 1, Yuanhetang Science and Technology Culture R&D Community, No. 588 Xuangong Road, Yuanhe Street, Xiangcheng District, Suzhou City, Jiangsu Province

TEL: +86 13913135613　E-mail：sunny@zenithpura.com　www.zenithpura.com

EDI PRINCIPLE

EDI is a kind of pure water manufacturing apparatus that applies to ion exchange technology, ion exchange membrane technology and ion electnic migration technology. it is wisely combined electro dialysis wth ion exchange technology, by using of high-voltage electrodes at both ends to drive charged ion in the water to move, and with the ion exchange resin and selective resin membrane to accelerate ions moving, so as to achieve the purpose of water purification. EDI has the features of easy operation and excellent environmental protection. It is a green revolution in high pure water producing.



Feed water requirement

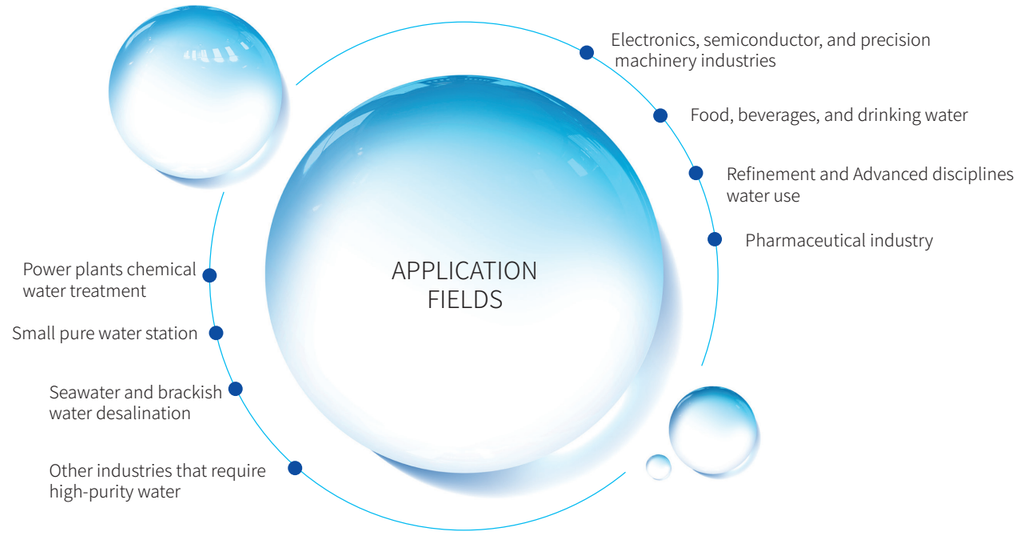
Resource: RO water,conductivity<40 μs/cm (*FCE)	Xidizers: Cl_2<0.05ppm,O_3<0.02ppm
PH:6.5-9.0	Metals: <0.01ppm
Water temperature:5-35°C	SiO_2: <0.5ppm
Hardness(as $CaCO_3$):<1.0ppm	CO_2: <5ppm
Organics: <0.5ppm,TOC recommended to be 0 ppm	Oil: Not detectable

Note:FCE(μs/cm)=Conductivity(μs/cm)+2.79*Total CO_2(ppm)+1.94*SiO_2(ppm)

EDI product water quality

Resistivity:>15MΩ.cm
SiO_2 removal rate:99% or <10ppb

EDI TECHNOLOGY



Provide the capacity of 50L/H-8000L/H EDI module

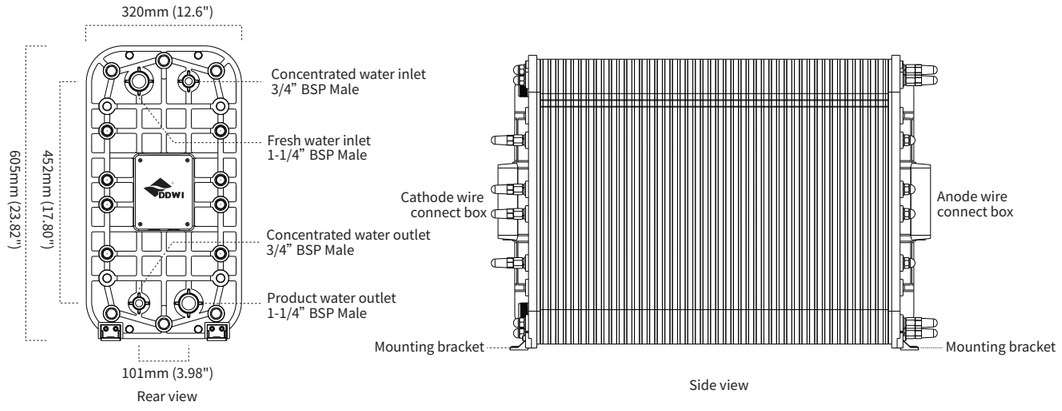
- Perfect technical solution
- Products with stable performance
- Comprehensive after-sales service



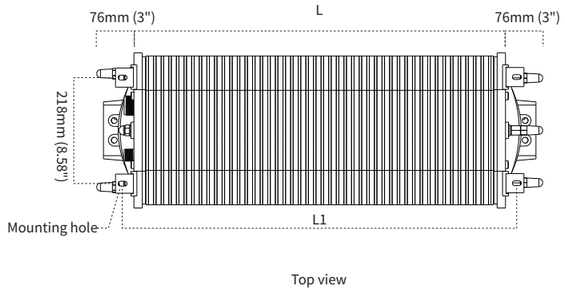
HP SERIES | LX SERIES | GX SERIES | P SERIES

LX SERIES TECHNICAL PARAMETER

PROJECT / ITEM	LX-04Z	LX-10Z	LX-18Z	LX-24Z	LX-30Z	LX-45Z	LX-50Z	LX-55Z
Design flow m^3/h	0.5	1.0	2.0	2.5	3.0	5.0	7.0	8.0
Min flow m^3/h	0.22	0.55	1.1	1.4	1.7	2.55	3.8	6.5
Max flow m^3/h	0.67	1.35	2.8	3.5	4.2	6.8	7.8	9.5
Recovery (%)	90-95	90-95	90-95	90-95	90-95	90-95	90-95	90-95
Resistivity MΩ·cm	⩾15	⩾15	⩾15	⩾15	⩾15	⩾15	⩾15	⩾15
Operating voltage DC V	⩽200	⩽200	⩽340	⩽340	⩽340	⩽500	⩽500	⩽500
Design voltage DC V	0-200	0-200	0-350	0-350	0-350	0-500	0-500	0-500
Operating current DC A	⩽6	⩽6	⩽6	⩽6	⩽6	⩽6	⩽6	⩽6
Design current DC A	0-6	0-6	0-6	0-6	0-6	0-6	0-6	0-6
Fresh water pressure drop Mpa	0.10-0.30	0.10-0.30	0.15-0.40	0.15-0.40	0.15-0.40	0.22-0.40	0.22-0.40	0.22-0.40
Max inlet pressure Mpa	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70





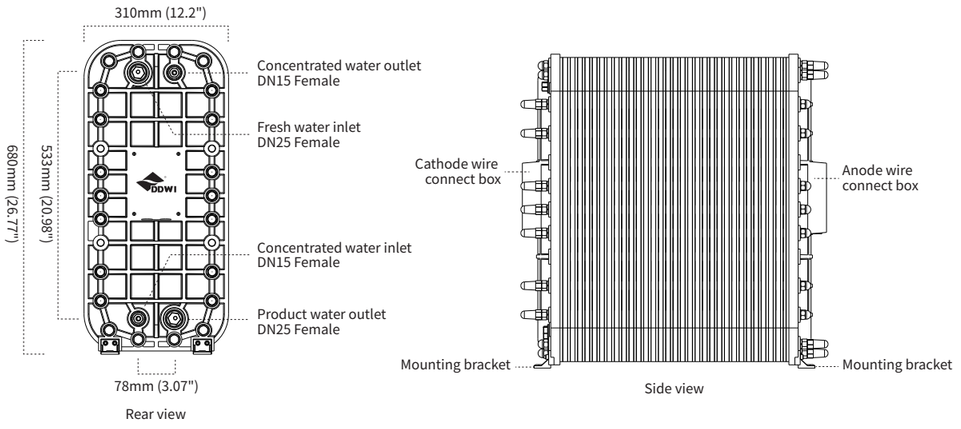


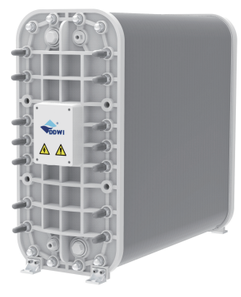
PROJECT / ITEM	LX-04Z	LX-10Z	LX-18Z	LX-24Z	LX-30Z	LX-45Z	LX-50Z	LX-55Z
L(mm)	115	208	327	410	500	723	795	870
L1(mm)	155	248	365	465	540	763	835	912

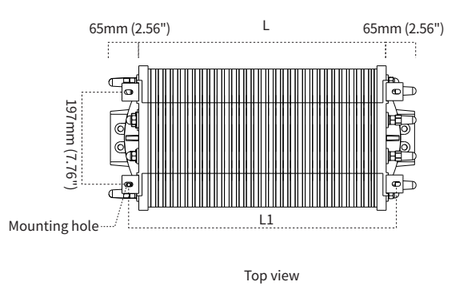
Note : Tolerance ±3mm

HP SERIES TECHNICAL PARAMETER

PROJECT / ITEM	EDI-P&F-0.5-HP	EDI-P&F-1.0-HP	EDI-P&F-2.0-HP	EDI-P&F-3.0-HP	EDI-P&F-4.0-HP
Design flow m^3/h	0.5	1.0	2.0	3.0	4.0
Min flow m^3/h	0.3	0.7	1.4	2.4	3.2
Max flow m^3/h	0.7	1.5	2.5	3.8	4.8
Recovery (%)	90-95	90-95	90-95	90-95	90-95
Resistivity MΩ·cm	⩾15	⩾15	⩾15	⩾15	⩾15
Operating voltage DC V	⩽200	⩽200	⩽340	⩽340	⩽340
Design voltage DC V	0-200	0-200	0-350	0-350	0-350
Operating current DC A	⩽6	⩽6	⩽6	⩽6	⩽6
Design current DC A	0-6	0-6	0-6	0-6	0-6
Fresh water pressure drop Mpa	0.10-0.30	0.10-0.30	0.15-0.40	0.15-0.40	0.15-0.40
Max inlet pressure Mpa	0.70	0.70	0.70	0.70	0.70





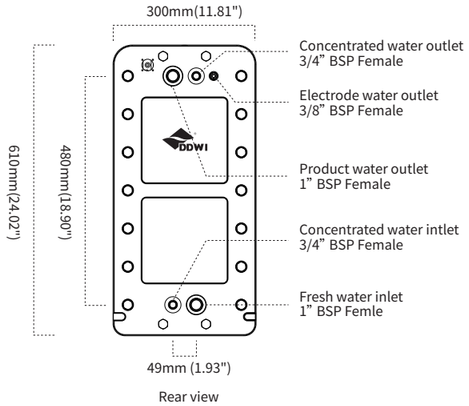


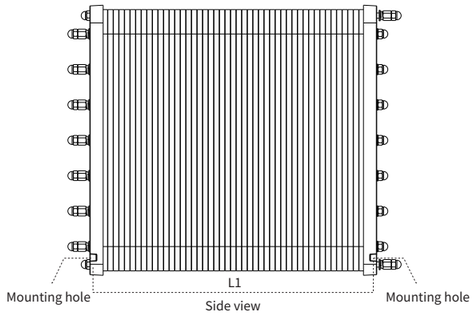
PROJECT / ITEM	EDI-P&F-0.5-HP	EDI-P&F-1.0-HP	EDI-P&F-2.0-HP	EDI-P&F-3.0-HP	EDI-P&F-4.0-HP
L(mm)	155	220	375	530	685
L1(mm)	200	260	415	570	725

Note : Tolerance ±3mm

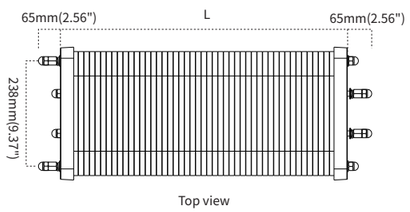
GX SERIES TECHNICAL PARAMETER

PROJECT / ITEM	GX-30Z	GX-45Z
Design flow m^3/h	3.0	5.0
Min flow m^3/h	1.5	2.5
Max flow m^3/h	4.0	6.0
Recovery (%)	90-95	90-95
Resistivity MΩ·cm	⩾15	⩾15
Operating voltage DC V	⩽340	⩽500
Design voltage DC V	0-350	0-500
Operating current DC A	⩽6	⩽6
Design current DC A	0-6	0-6
Fresh water pressure drop Mpa	0.20-0.40	0.2-0.40
Max inlet pressure Mpa	0.60	0.60







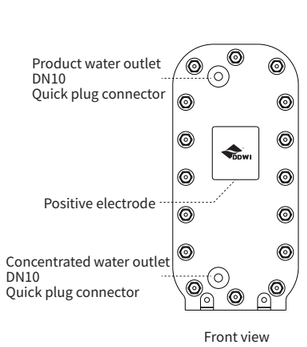


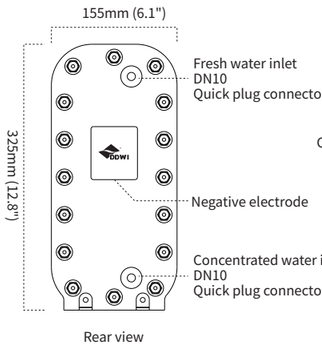
PROJECT / ITEM	GX-30Z	GX-45Z
L(mm)	440	630
L1(mm)	425	615

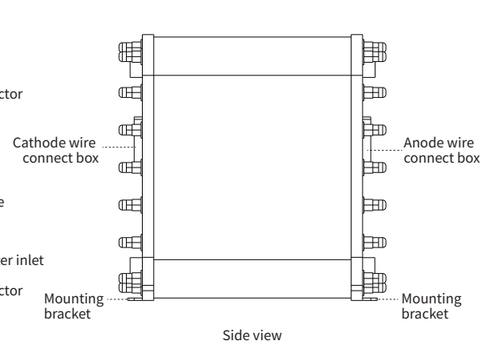
Note : Tolerance ±3mm

P SERIES TECHNICAL PARAMETER

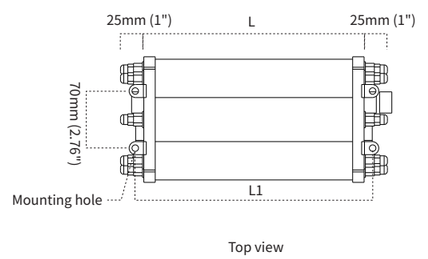
PROJECT / ITEM	EDI-P-50L	EDI-P-100L	EDI-P-200L	EDI-P-250L
Design flow l/h	50	100	200	250
Min flow l/h	30	80	160	200
Max flow l/h	60	120	240	300
Recovery (%)	90-95	90-95	90-95	90-95
Resistivity MΩ·cm	⩾15	⩾15	⩾15	⩾15
Operating voltage DC V	24-40	24-40	40-70	40-70
Design voltage DC V	0-200	0-200	0-200	0-200
Operating current DC A	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0
Design current DC A	0-6	0-6	0-6	0-6
Fresh water pressure drop Mpa	0.05-0.30	0.08-0.30	0.10-0.40	0.10-0.40
Max inlet pressure Mpa	0.40	0.40	0.40	0.40











PROJECT / ITEM	EDI-P-50L	EDI-P-100L	EDI-P-200L	EDI-P-250L
L(mm)	105	140	205	270
L1(mm)	128	160	225	290

Note : Tolerance ±3mm

EDI ENGINEERING CASES

Coking project 3×200m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Biomass power 80m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Waste incineration power project 30m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Solar power project 70m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Thermal power project 200m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Cogeneration project 4×100m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Metallurgical project 50m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



Chemical project 6×200m³/h ultra-pure water system

System technology:Two-stage reverse osmosis+EDI Product water qulity:Resistivity>17MΩ.cm



PARTNER

ZHEJIANG ENERGY
LUXI
CSIC
中国华能 CHINA HUANENG
19th Asian Games Hangzhou 2022
杭州亚运会官方供应商 Official Supplier for Hangzhou Asian Games
立恒集团 LIHENG GROUP
WEIMING 伟明
协鑫 GCL
光大环境 EVERBRIGHT ENVIRONMENT
中国国电 CHINA GUODIAN
ANSTEEL 鞍钢集团
中国石化 Sinopec
中国能源 SINOMEC
中化 sinochem 科学至上
中国华电 CHD
天能
包钢集团 BAOGANG GROUP
ZiJin