PRODUCT DATA SHEET



LINIXIA™ DS

DOUBLE STAGE REVERSE OSMOSIS DEVICE

NIPRO

LINIXIA™ DS

DOUBLE-STAGE REVERSE OSMOSIS DEVICE

CE 0297
Class IIb

- Double stage
- Permeate output going from 350 L/h to 2800 L/h
- Scalable and upgradable device
- Chemically disinfectable in the RO and loop
- Optional remote monitoring system: Workbench
- User-friendly interface embedded in a wide 12" colored touchscreen
- High yield (up to 90%)
- Low power consumption due to frequency control pumps
- Water-saving technology
- Automatic restart after power failure
- Continuous monitoring of all parameters (flows, pressures, conductivities, and temperatures)
- Conductivity target setup
- Secured user management access
- Safety control system

PRODUCT COMPLIANCE

- The LiniXia device complies with the MDR regulation (EU) 2017/745:
  - ISO 23500-1
  - ISO 23500-2
  - EN 60601-1-2
  - EN 60601-1

MANUFACTURING DETAILS

Legal manufacturer: Nipro Pure Water GmbH

Country of origin: Germany

DEVICE LIFETIME

10 years

MATERIALS USED

- Stainless steel 316
- PP
- PA 66 GF 30 NAT+EPDM+Stainless steel
- PA 6,6 30% fiber glass+NBR+Stainless steel
- Glass Filled Polypropylene
- Stainless steel
- PP-H+PP-R
- Stainless steel+EPDM
- Polyamide Thin-Film Composite
- Composite Polyamide+PP
- Special graphite+PPE, PS
- Stainless steel+PTFE
- Plastic
- Incoloy 825+Stainless steel 316
- PP-R
- PP-R+EPDM
- Stainless steel 316+EPDM
- EPDM
- PTFE
- Polyurethane

PRODUCT RANGE OVERVIEW

Reference code	Description
RO-LNXDS-3-UG	LiniXia DS 400 L/h
RO-LNXDS-5-UG	LiniXia DS 800 L/h
RO-LNXDS-7-UG	LiniXia DS 1200 L/h
RO-LNXDS-9-UG	LiniXia DS 1600 L/h
RO-LNXDS-11-UG	LiniXia DS 2000 L/h
RO-LNXDS-14-UG	LiniXia DS 2400 L/h
RO-LNXDS-16-UG	LiniXia DS 2800 L/h

TECHNICAL DATA

Permeate performance / Feed quantity

LiniXia DS

Number of membranes	2+1	3+2	4+3	5+4	6+5	8+6	9+7
Permeate performance L/h [15°C]	350 - 400	700 - 800	1050 - 1200	1400 - 1600	1750 - 2000	2100 - 2400	2450 - 2800
Permeate performance L/min [15°C]	5.83 - 6.67	11.6 - 13.3	17.5 - 20	23.3 - 26.67	29.17 - 33.3	35 - 40	40.83 - 46.7
Feed quantity min. at 3 bar dynamic	1500	2000	2500	3000	3500	4000	4500

Inlet water

Quality	Potable Water
Hardness	< 1 °dH
Silicate	< 25 mg/L
Chlorine	< 0.1 ppm (mg/L)
Iron	< 0.1 ppm (mg/L)
SiO2	< 30 ppm
Fouling Index (S.D.I)	< 3
Temperature	5-30°C
Conductivity	<1500 µS/cm
pH	6.5 - 8.5
Pressure	3-6 bar

Connections

Water Supply	Potable water, connection, tri-clamp D50.5
Drain	HT 50

Electrical data

Variant	Supply	Consumption	Fuse
LiniXia DS	CEE 400 V AC 50/60 Hz	Max. 8 kW	2x Circuit breaker 4A 2x Circuit breaker 16A

Display system

Conductivity C1, C2	0 - 2000 µS/cm ± 10%
Conductivity C3	0 - 200 µS/cm ± 10%
Pressure sensor P1, P4	0 - 25 Bar ± 5%
Pressure sensor P5, P6, P7, P8, P9	-1 - 9 Bar ± 5%
Flow sensor F1, F2	0 - 1800 L/h ± 10%
Flow sensor F3, F4	0 - 3600 L/h ± 10%
Level sensor L1	0 - 40 L ± 10%
Level sensor L2	0 - 400 L ± 10%
Temperature sensors	0 - 100°C ± 0.5°C

Ambient conditions

Storage / Transport	3 – 40°C
Operation	10 – 35°C
Relative humidity	< 90% at 20°C not condensing
Air pressure	795 – 1062 hPa

Size



1st Stage unit (mm)	Weight(kg)
1110 x 750 x 1834	180



2nd Stage unit (mm)	Weight(kg)
1110 x 750 x 1834	150



Trolley (mm)	Weight(kg)
1100 x 750 x 1650	80 to 120

PACKAGING DETAILS

Outer box			
Quantity (pcs)	L (cm)	W (cm)	H (cm)
3	120	80	200

Number of outer boxes per euro-pallet

1

Languages

1 language on all levels of packaging

English (EN)

Transport conditions

Temperature between 3°C and 40°C. Protect unit against frost and moisture. Protect against strong jolting and collisions. Move the unit only in an upright position and with an appropriate lift.

Storage conditions

Temperature between 3°C and 40°C

Label details

	Individual unit	Outer box
Product name	✓	✓
SN	✓	✓
CE 0279	✓	✓
UDI	✓	✓
	✓	✓
	—	✓
MD	✓	✓
	✓	✓
	✓	✓
	✓	—

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