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ROTEK Multi-Stage Pump

Design for 1500-6000GPD Reverse Osmosis Systems

The ROTEK Vertical Multi-stage Pump LPE2-11 is a highly versatile product that can operate in various environments with stable performance with stable operation and high efficiency.

The hydraulic design of this pump is highly advanced, ensuring stable and efficient operation. It can deliver high efficiency and low noise levels while maintaining a long service life.

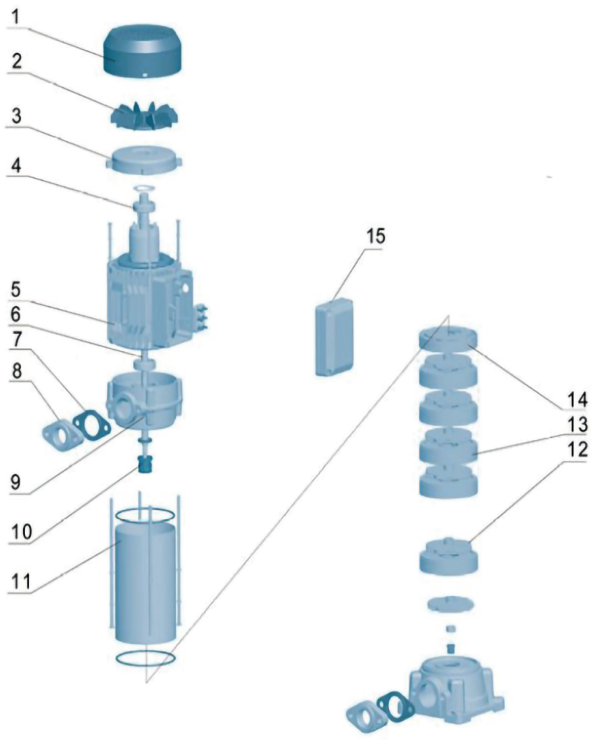
LPE2-11

Application

- Water supply: Pressure boosting for main pipes and high-rise buildings
- Industrial pressure boosting: Water system, cleaning system, high-pressure washing system and
- Pressure boosting for pressure tank, sprinkler, and trickle irrigation systems
- Reverse Osmosis system high-pressure pump
- Air conditioner, cooling towers, and industrial cleaning.

Materials Table

NO.	Part	Material
1	Fan cover	08F
2	Fan	PP
3	Rear cover	Cast iron
4	Bearing	
5	Stator	
6	Rotor	
7	Gasket	Rubber
8	Flange	Cast iron
9	Motor bracket	Aluminum
10	Machanical seal	Ceramic/Carbon
11	Pump barrel	AISI 304
12	Impeller	Noryl FE1520PW
13	Diffuser	Noryl FE1520PW
14	Last stage diffuser	Noryl FE1520PW
15	Capacitor box	Plastic



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Features

- Economical vertical multistage pumps
- Applicable for a wide scope of different temperatures, flow rates, and pressure ranges
- Water inlet and outlet ports may be rotated for correct assembly in accordance with installation requirements
- Easy installation and maintenance
- Advanced hydraulic model design, featuring stable operation and high-efficiency
- Cast iron water inlet and outlet with special anti-rust treatment
- High-strength engineering plastic flow passage components

Working Conditions

- Liquid temperature: +5°C~60°C
- Maximum ambient temperature: +40°C
- Maximum pressure: 15bar
- Altitude: up to 1000m

Technical Data

Model	Power(P2)		Q(m³/h)	0	1	2	3	4
Single-phase	KW	HP	Q(l/min)	0	16.7	33.3	50	66.7
LPEm2-11	1.8	2.5	H(m)	130	119	98	69	37

Demensions

Model	Power (P2)	A (m/m)	B (m/m)	C (m/m)	D (m/m)	E (m/m)	F (m/m)	G (m/m)	H (m/m)
LPEm2-11	1.8	641	344.5	210	125	202	114.5	G1	G1

Hydraulic Performance Curves