

ELECTRICAL SUBMERSIBLE PUMPS



RIMERA-ALNAS Electric Submersible Pumps are designed to enhance oil production and to minimize production costs in most severe conditions.

Being the oldest ESP plant in Europe, we've been developing technologies for Russian oil industry (world artificial lift leader) for 40 years. The highest level of expertise and great experience allows RIMERA-ALNAS to provide innovative solutions for every customer's need. RIMERA-ALNAS pumps are used for oil, water and brine production and horizontal pump systems.

RIMERA-ALNAS pump conventional and mix-flow stages are manufactured by high efficient casting and provide the following advantages:

- Size range: 272 – 738 series
- Flow range: 90 – 29 000 bpd
- Optimal design: compression, packet and floater type applications
- Vortex stages: increased energy-efficiency, head and run life time, gas resistance
- Wear resistant materials: Ni-resist stages with enlarged flow channels, Monel shafts and K-Alloy parts ensure extended run life under corrosive, abrasive and high-temperature environment
- Gas solutions: Enhanced Gas Handler devices and Multiphase pumps provide stable operations with GOR up to 75%

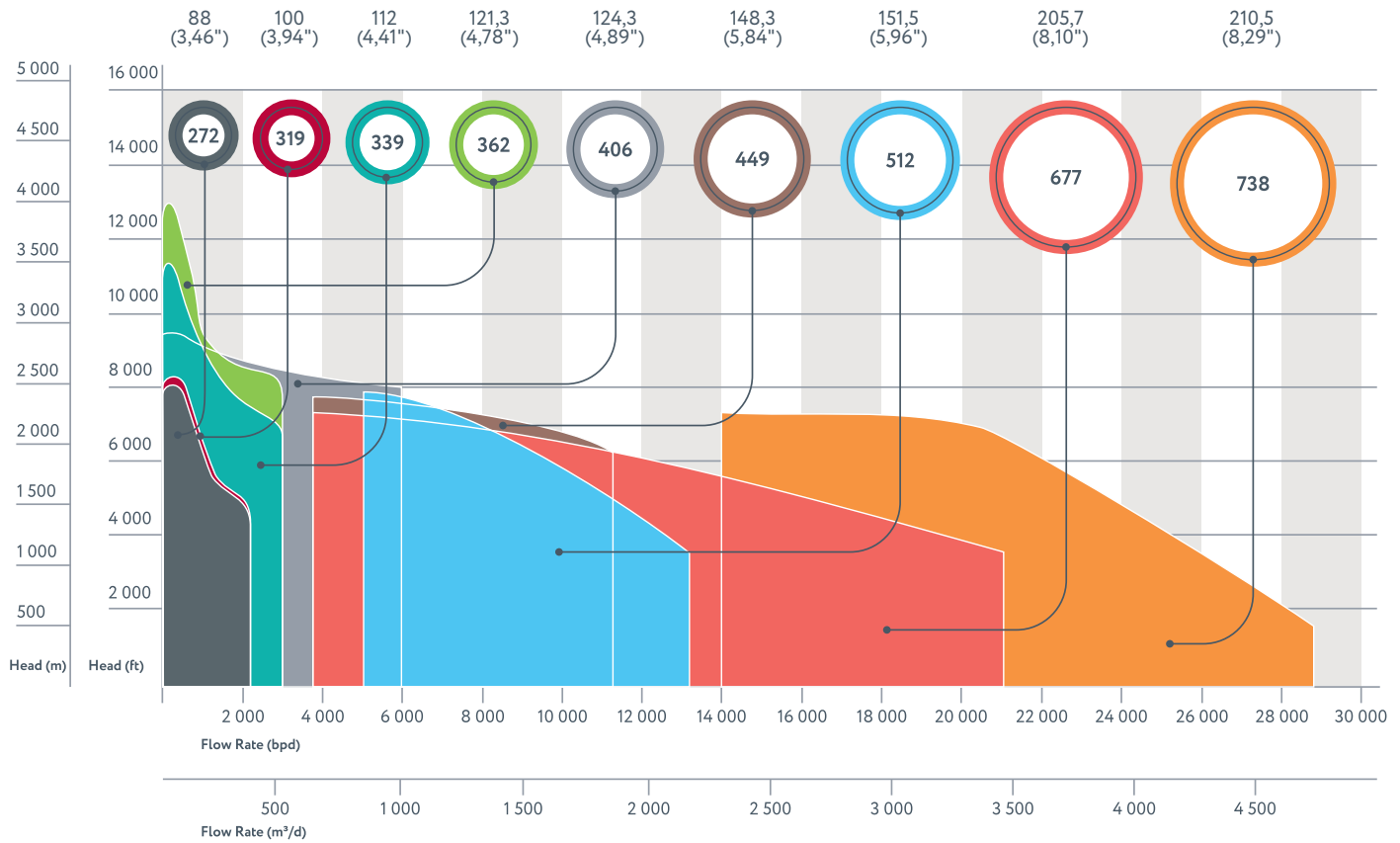
Complicated conditions application:

- Mechanical Particles content up to 3 g/l
- Mohs scratch hardness up to 8
- Total salinity up to 20,3 g/l
- pH 5,0-8,5
- H₂S up to 1,25 g/l
- Temperature up to 180°C



RIMERA-ALNAS pumps manufacturing facilities are certified to ISO 9001:2015 and 14001:2015 standards.

RIMERA-ALNAS ESP SPECIFICATIONS



| Min. Casing ID | | Pump Size | Pump OD | | Recommended Operating Range | | | |
|----------------|------|-----------|---------|------|-----------------------------|-----------|-------------|-----------|
| mm | in. | | mm | in. | m³/d | rpm | bpd | rpm |
| 88 | 3,46 | 272 | 69 | 2,72 | 23-334 | 4000-6000 | 145-2100 | 4000-6000 |
| 100 | 3,94 | 319 | 81 | 3,19 | 35-333 | 4000-6000 | 220-2094 | 4000-6000 |
| 112 | 4,41 | 339 | 86 | 3,39 | 12-480 | 2910 | 91-3000 | 3500 |
| 121,3 | 4,78 | 362 | 92 | 3,62 | 10-400 | 2910 | 76-3019 | 3500 |
| 124,3 | 4,89 | 406 | 103 | 4,06 | 19-960 | 2910 | 143-7262 | 3500 |
| 148,3 | 5,84 | 449 | 114 | 4,49 | 600-1550 | 2910 | 4539-11725 | 3500 |
| 151,5 | 5,96 | 512 | 130 | 5,12 | 800-2100 | 2910 | 5000-13200 | 3500 |
| 205,7 | 8,10 | 677 | 172 | 6,77 | 600-3500 | 2910 | 3800-21600 | 3500 |
| 210,5 | 8,29 | 738 | 187 | 7,36 | 1750-4300 | 2910 | 14000-29000 | 3500 |

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