

Liquid ring vacuum pump type Ensival Moret VRN

The VRN liquid ring vacuum pump range, mainly present in the fertilizer industry, has been designed as the best solution for vacuum applications where wet or extremely humid and slightly contaminated gases are ingested.

Design

- Single-stage pump with inlet via guide plates at both ends of the rotor
- Shaft sealing by packing with inserted lantern rings
- Shaft fully protected
- Self-adjusted compression rate
- Not affected by liquid or dust
- Water saving reservoir at pump discharge
- Eccentric blade impeller between bearings
- Fabricated or cast cylinder
- Extensive material range
- Various sealing options available
- Compressor operation design available
- Liquid ring water supply optimization
- Partial / total water recirculation system
- Epoxy fiber separator

Applications

- Filtration under vacuum
- Vacuum condensers
- Crystallization
- Concentration
- Evaporation



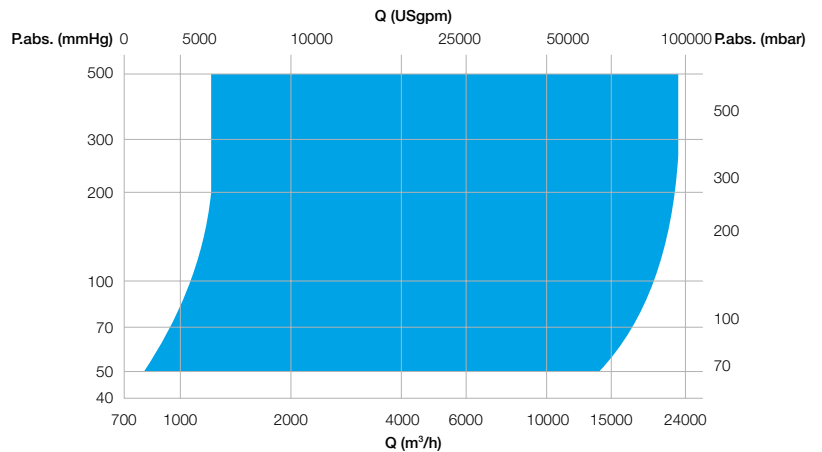
Materials

Standard construction	Castings	Fabricated
Austenitic stainless steel	ASTM A351 grade CF3M	ASTM A240/ A276 Type 316L
Super austenitic stainless steel	EN 10283 1.4584	ASTM A240 Type 904L EN 10088 1.4539
Duplex stainless steel	ASTM A890 grade 1B	ASTM A240 UNS S31803 EN 10088 1.4462
Super duplex stainless steel	ASTM A890 grade 6A	ASTM A240 UNS S32520/550/760

Operating data

	60 Hz	50 Hz
Capacities	up to 23'000 m ³ /h	up to 101'265 USgpm
Absolute suction pressure	up to 50 mmHg	up to 50 mmHg
Temperatures	up to 50°C	up to 122°F
Maximum speed of rotation	up to 1'000 rpm	up to 1'000 rpm

Performance range



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