

Ebsray®

REGENERATIVE TURBINE PUMP'S

Expert
Solutions for
Liquefied Gases
Transfer

R75 SERIES
Product Brochure



Where Innovation Flows

EBSRAY TURBINETECHNOLOGY™
REGENERATIVE TURBINEPUMP



ebsraypumps.com.au

The Next Evolution in Liquefied Gases Transfer

Ebsray® is a Global Leader in the design and manufacturing of Regenerative Turbine Pumps and part of PSG®, a Dover Company. Ebsray's primary focus is on the manufacturing of pumps and pumping equipment — predominantly for LPG, process, and industrial niche markets.

Ebsray Model R75 Series Regenerative Turbine Pumps

Ebsray Model R75 Series Regenerative Turbine Pumps are designed and precision-built from the ground up, specifically for the unloading of Propane, Butane, Freons and other gases. The R75 can run smoothly and quietly across its range even in poor suction conditions. Designed with no contact between the impeller and pump body, the R75 pump offers less wear and vastly increased times between maintenance.

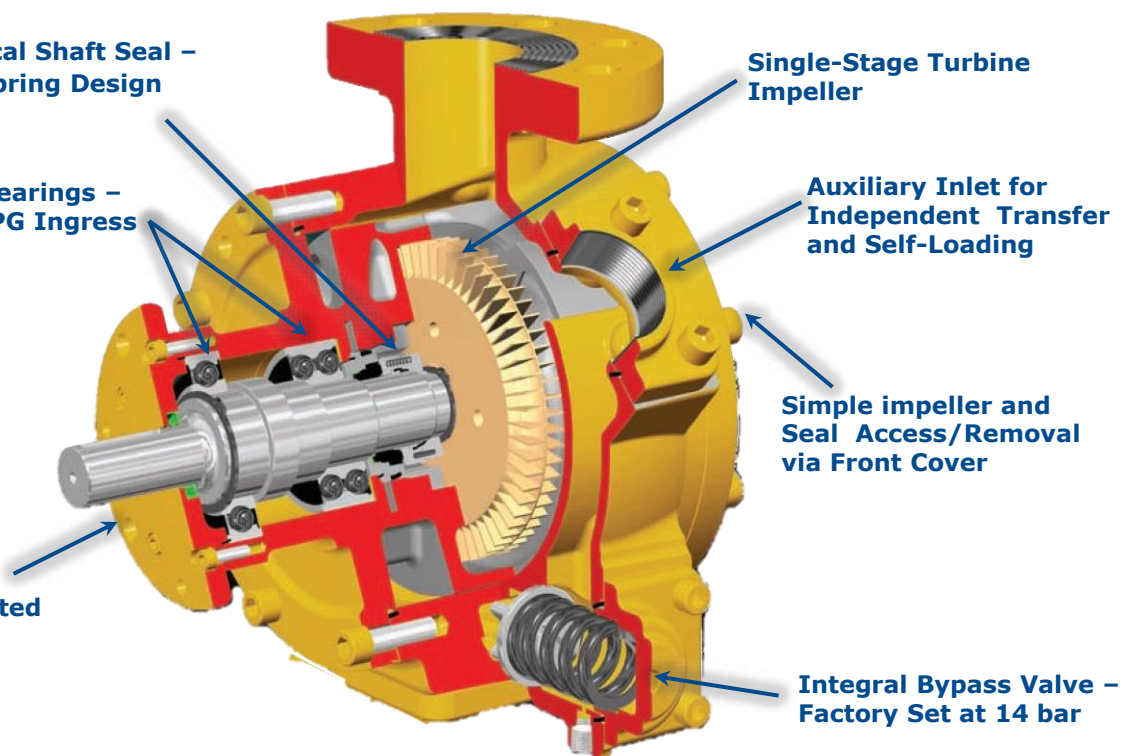
Features & Benefits:

- Dimensional fit for existing Ebsray and competitive pump* installations
- Simple, single-stage design with fewer rotating parts and smaller footprint than a side-channel pump
- Ductile iron pressure retaining parts
- No contact between impeller and pump body
- Designed for electric motor, hydraulic and PTO drive
- Can operate at 3,500 rpm allowing close coupling to 2 pole motors on bobtails and in fixed installations
- Flow rates to 480 L/min (30 m3h)
- 14 bar differential pressure for higher flow through all delivery hoses for shorter fill times
- Complies with ATEX and AS1596 Codes (*UL51 certification currently in progress*)

One (1) Mechanical Shaft Seal – Balanced Multi-Spring Design

Sealed-For-Life Bearings – Protected from LPG Ingress

Bearing Cover – Drilled and Spigoted for Bell Housings



Single-Stage Turbine Impeller

Auxiliary Inlet for Independent Transfer and Self-Loading

Simple impeller and Seal Access/Removal via Front Cover

Integral Bypass Valve – Factory Set at 14 bar

*Blackmer® model LGLD3, Corken® model Z3200

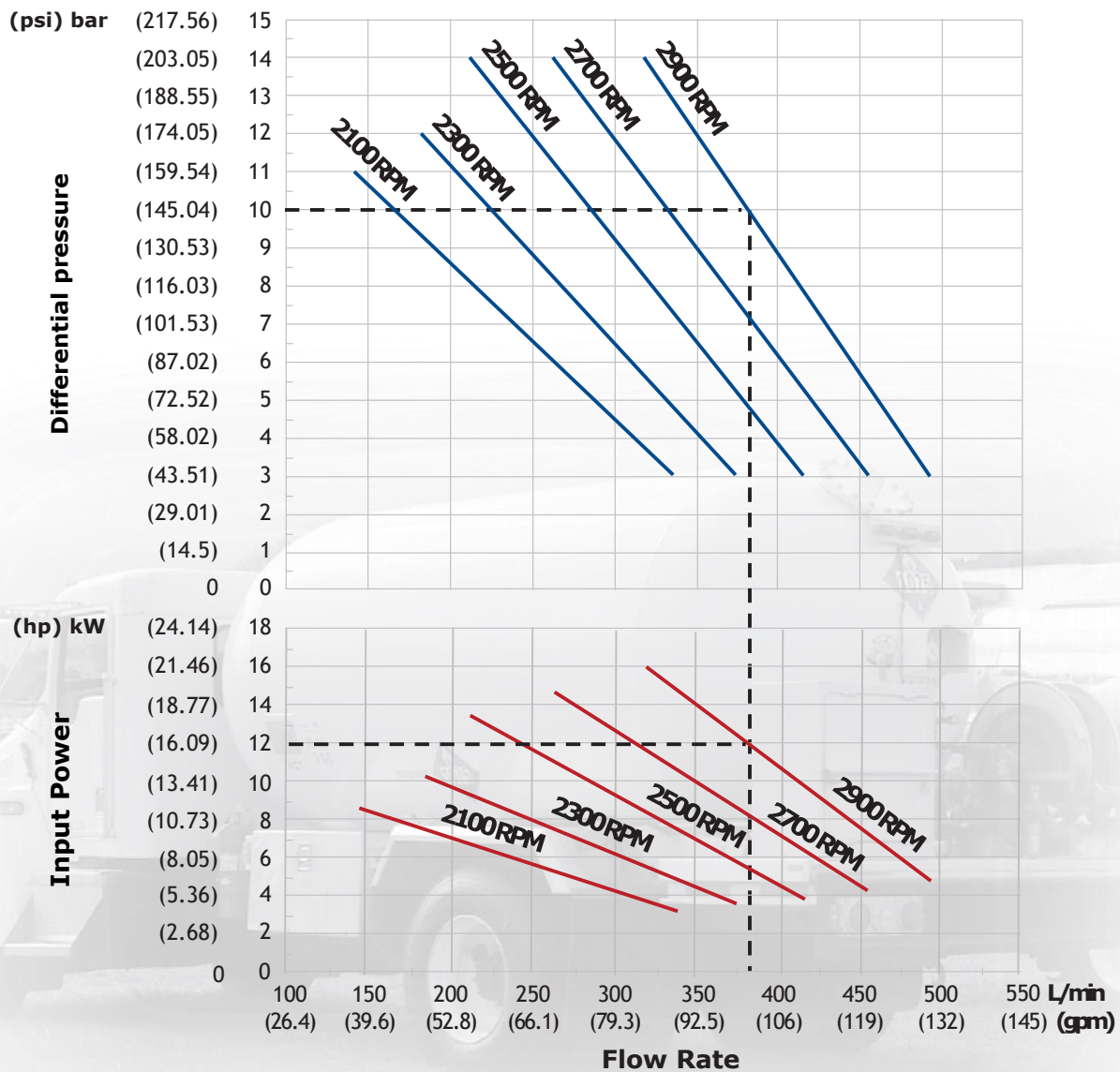
Note: Pump requires external bypass valve. Ebsray RV19 or Blackmer BV2 valves are recommended.



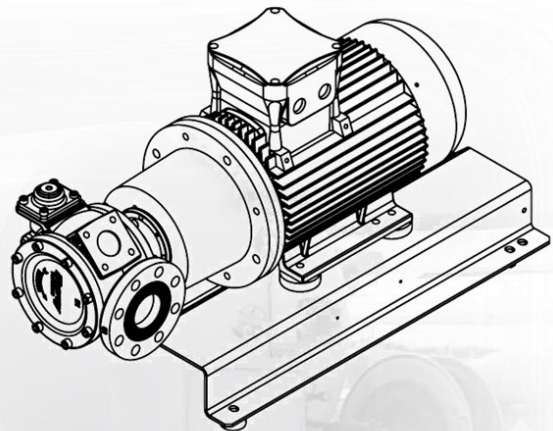
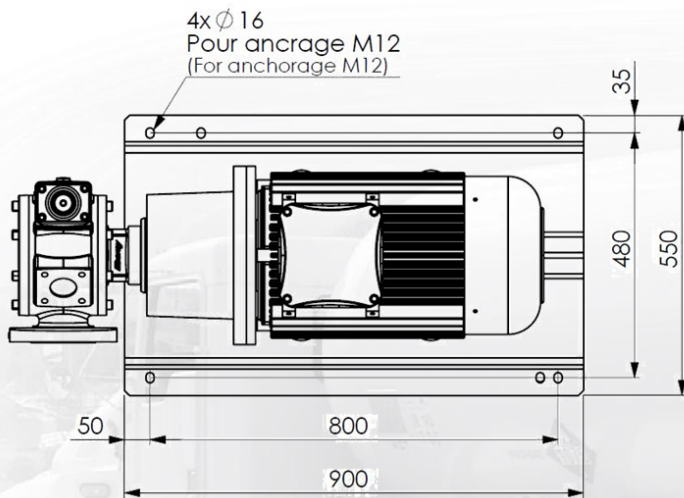
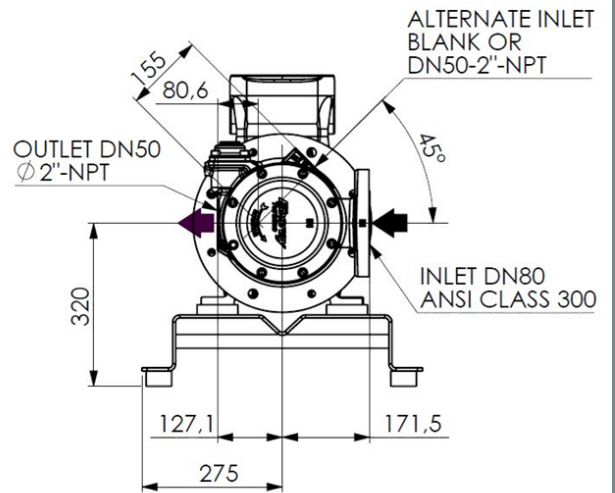
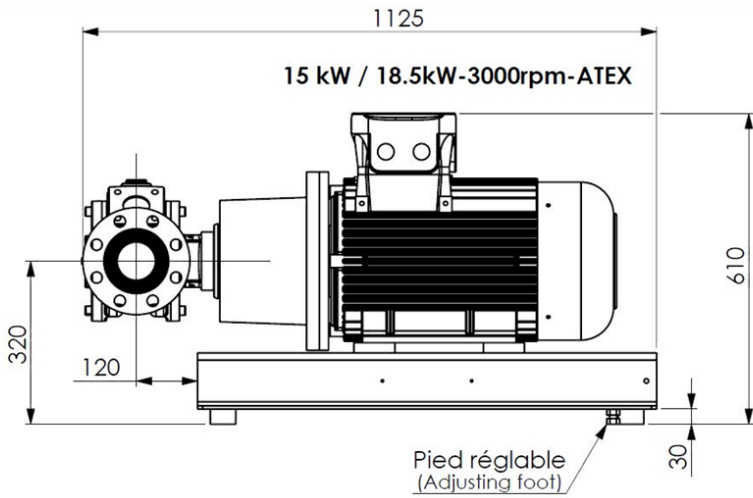
R75 Operating Limits

Maximum Differential Pressure		Maximum Working Pressure		Hydrostatic Test Pressure		Minimum Temperature		Maximum Speed
bar	psi	bar	psi	bar	psi	°C	°F	rpm
14	203	30	425	70	1050	-40	-40	3500

R75 Performance



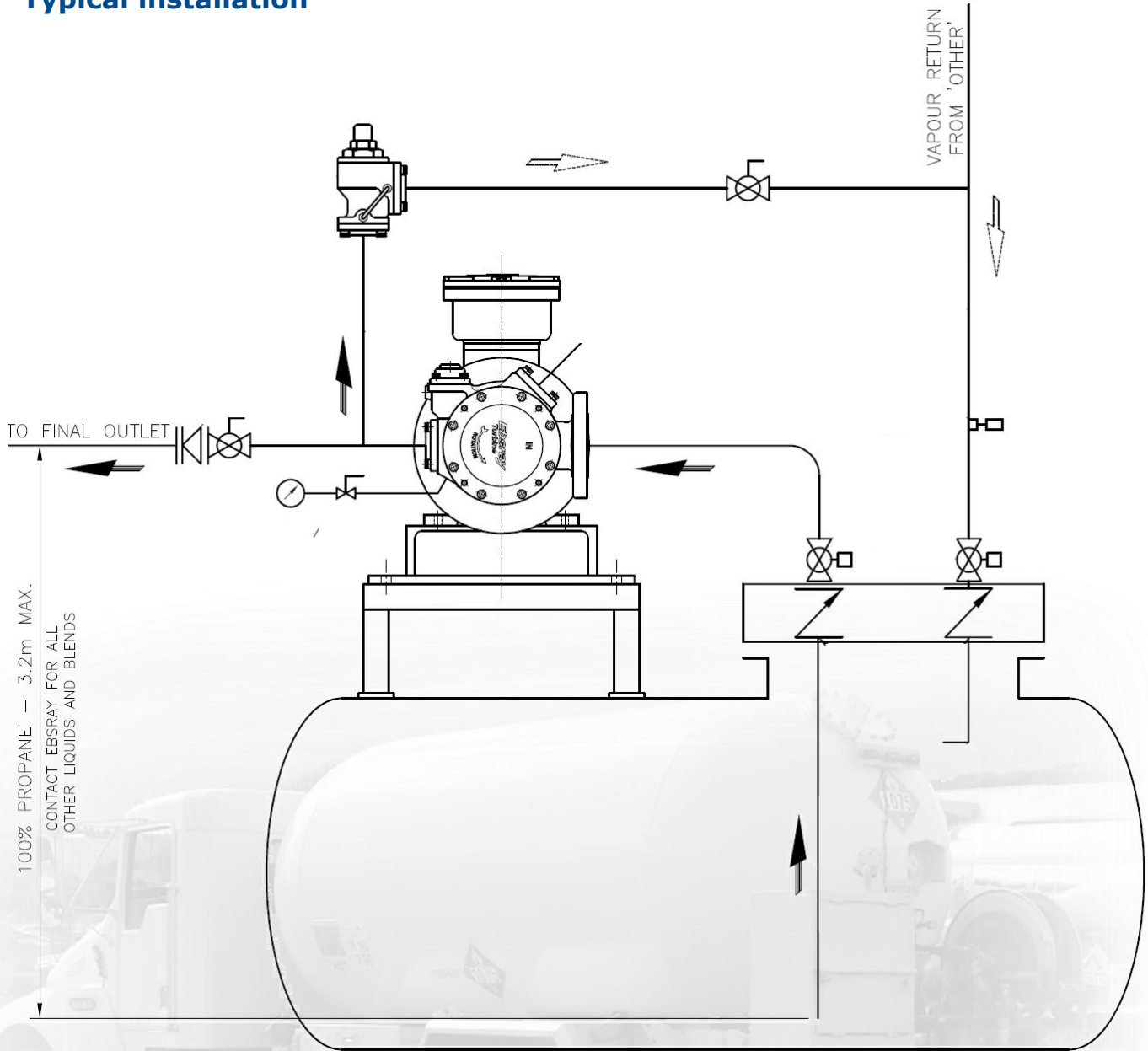
Dimensional drawing of the pump unit



Ebsray
part of PSG | a DOVER company

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Typical installation



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Authorized PSG Partner: