



People at KSB – we make your world flow round

RPH – HEAVY-DUTY FOR HIGHLY DEMANDING APPLICATIONS

The RPH in back pull-out design is the perfect „work-horse“ made by KSB for all those duties where the requirements to be met are tough and reliability takes first priority. All technical design details, e.g. bearings and mechanical seals, as well as the materials used are selected to achieve the greatest possible robustness of the pump. For example duplex stainless steel (or, as an option, super duplex) as the material for all wetted pump components warrants minimum sensitivity to corrosion attack and a high degree of mechanical strength.

Owing to its advanced design tried and tested in numerous applications, RPH is the ideal choice for pumping

installations running under the most demanding duty conditions, e.g. as a booster pump in RO desalination plants. RPH is available as a separate component or as part of KSB's SalTec core hydraulic system.

The outstanding reliability of pump type RPH is equally highly valued in the field of nuclear power stations where it is mainly applied in condensate, moderator and acid injection systems as well as in auxiliary and secondary systems.

RPH pumps can also be supplied with inducer.

Find out more about our products at www.ksb.com/productcatalogue.

Horizontal, radially split volute casing pump for dry installation



R P H

Horizontal, radially split volute casing pump for dry installation



Long service life of bearings

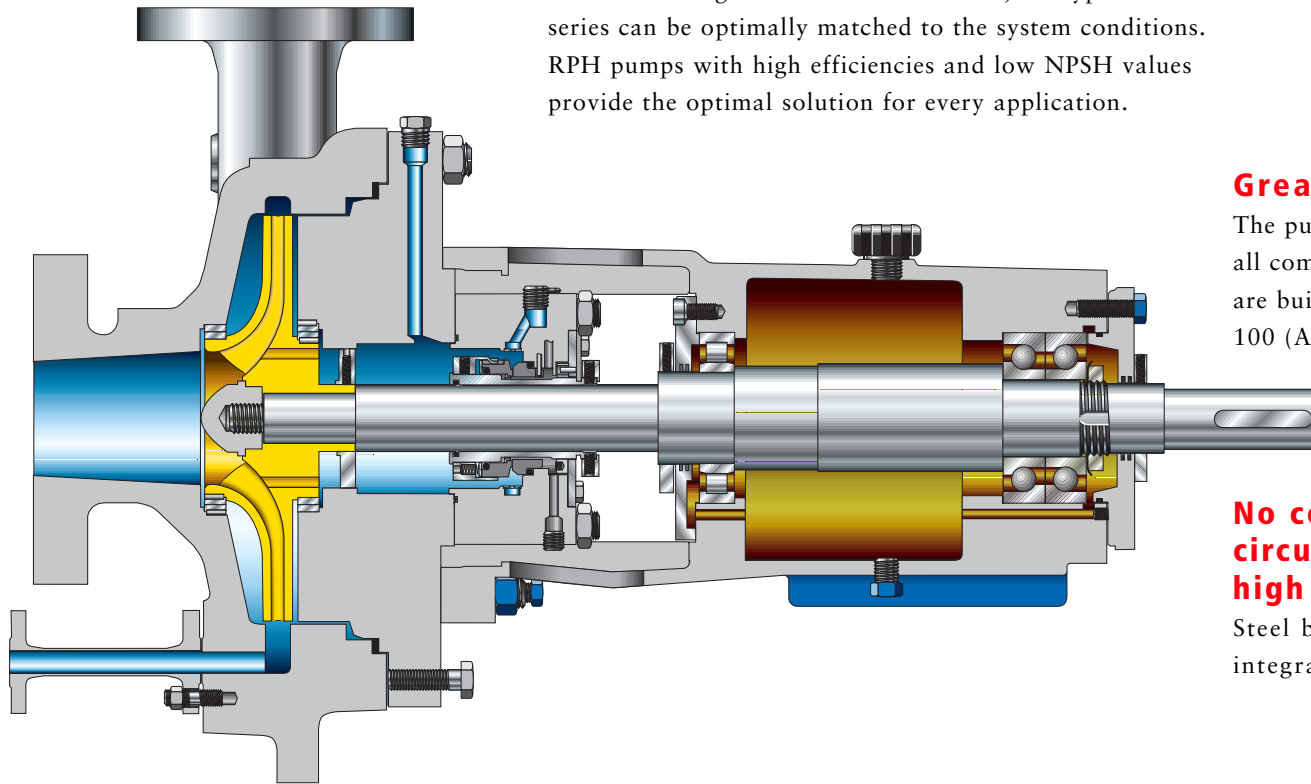
The bearings in tandem design are capable of sustaining high inlet pressures.

Low maintenance costs

- Fewer spare parts to be stocked.
- Customized balancing system reduces axial forces.

Reduced maintenance requirements

Single-acting mechanical seal, therefore no barrier liquid and less maintenance required.



High efficiency and optimized energy consumption

Thanks to the graduated selection chart, the type series can be optimally matched to the system conditions. RPH pumps with high efficiencies and low NPSH values provide the optimal solution for every application.

Great flexibility

The pump flanges are available for all common pipelines because they are built to all standards up to PN 100 (ASME Class 600).

No cooling water circuit required for high temperatures

Steel bearing bracket with integrated cooling fins.

Fields of applications:

- Seawater desalination by means of reverse osmosis
- Nuclear power stations
 - Condensate system
 - Moderator system
 - Acid injection system
 - Auxiliary and secondary systems

Technical data of the standard configuration:*

Pump size:	DN 25-400
Max. flowrate:	4,800 m ³ /h / 21,134 US gpm
Max. head:	285 m / 935 ft
Max. discharge pressure:	110 bar / 1,595 psi
Max. temperature:	400 °C
Max. speed:	3,500 min ⁻¹

* Higher ratings on request