

RDLO - Our New World Class

And for all who need a size larger – our new RDLO. For even higher capacities and heads. For applications in waterworks, irrigation and drainage pumping stations, power plants, for industrial water supply, for shipbuilding and offshore production, and in everyday petrochemical applications.

- The advantages to our customers' benefit:
- Minimal life cycle costs
 - Long service intervals
 - Maximum-longevity components
 - Maximum flexibility enables optimization for any plant
 - Global engineering competence and production



Operating data:

Size	DN	350 up to 700	/ 14" up to 28"
Flow	Q	up to 2800 l/s	/ 44,400 gpm
Head	H	up to 180 m	/ 590ft
Operating pressure	P	up to 25 bar	/ 365psi
Operating temperature	t	up to 105 °C	/ 220F
Speed	n	up to 1450 rpm	/ 1750rpm



KSB offers worldwide:



Service non-stop

KSB service guaranteed worldwide and available around the clock. Offering assembly and inspection, maintenance, service and repair, KSB is setting standards.



Consultation on site

KSB is active around the globe. A network of production sites, sales offices, and representations is prerequisite for quick presence at the desired place.

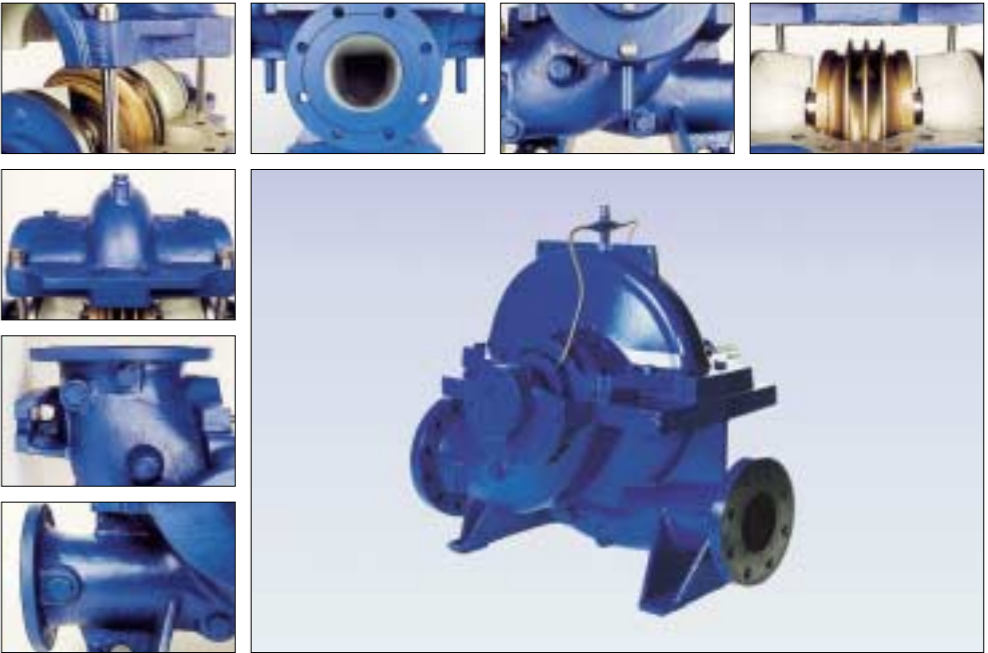


Competence and experience

For more than 125 years, KSB has been producing pumps. This tradition of pump manufacturing knowledge and experience is linked to the most modern know-how.



THE POWERHOUSE FOR MANY APPLICATION AREAS



3D Marketing + Design, Halle

Subject to technical modifications

02/01

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The powerhouse for many application areas

Omega – Power through Optimization in the Wind Tunnel
A pump in the wind tunnel? Apparently an anachronism. Not so for KSB. Because the water pump Omega was successfully optimized in a wind tunnel. The main goal - cost-efficient pump operation. For this, new savings had to be discovered and developed. KSB engineers succeeded in doing this with the Omega.

Optimizing the flow of the pump by experiments in the wind tunnel led to a clear reduction in loss coefficient. This signifies savings in energy. A positive side effect is the reduction of casing dimensions. The result is savings in space as well as application of a shorter, more stable rotor. The pump runs smoother, wear is reduced.



Fields of application are irrigation and drainage as well as water supply for both industry and the communities. Applications in waterworks are possible as well as it is in power stations, in air conditioning, and in fire extinguishing systems.

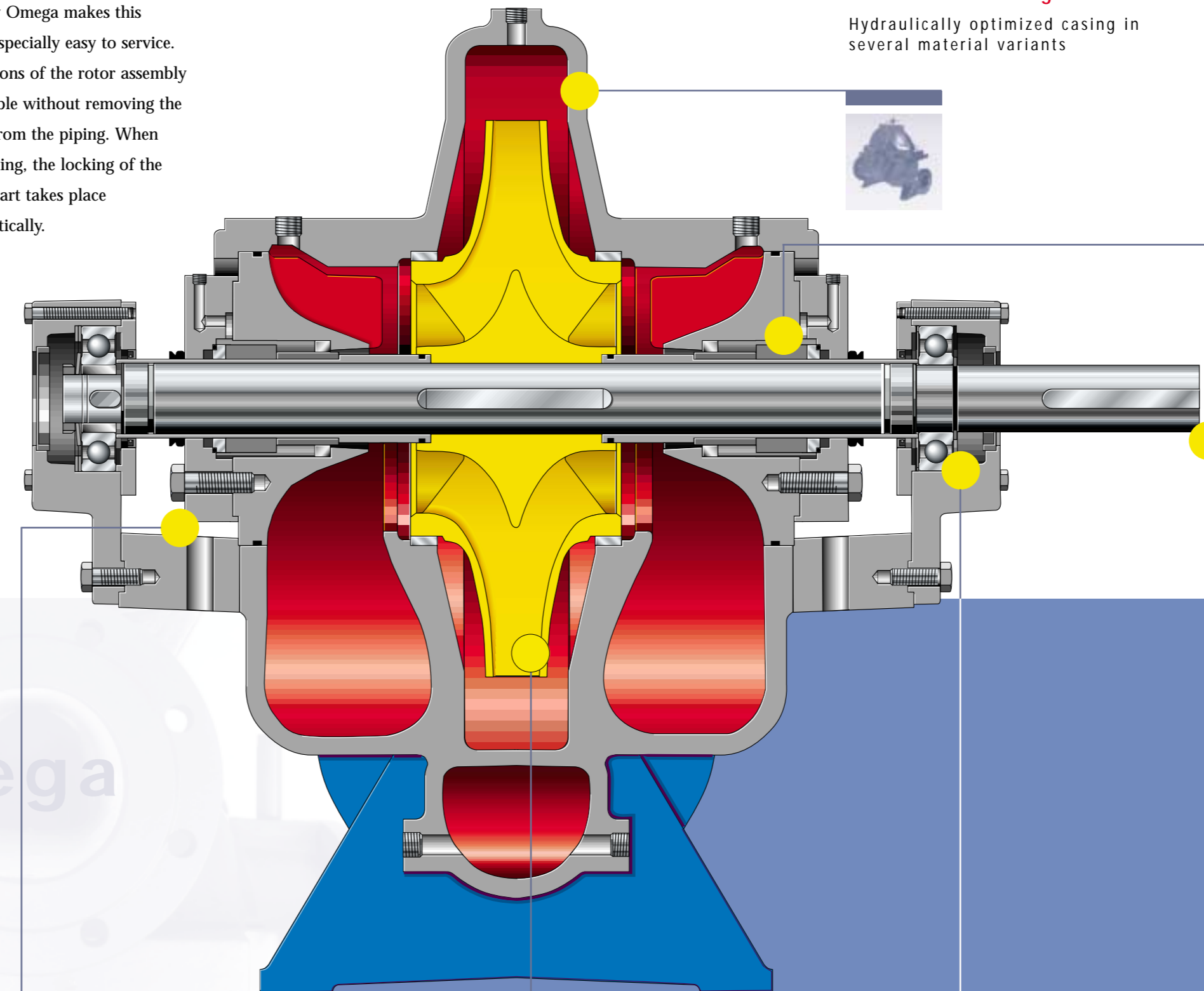
Operating data:

Size	DN	80 to 350	/ 3" to 14"
Flow	Q	up to 800 l/s	/ 12,700gpm
Head	H	up to 170 m	/ 560ft TDH
Operating pressure	P	up to 25 bar	/ 365psi
Operating temperature	t	up to 105 °C	/ 220F
Speed	n	up to 2900 rpm	/ 3600rpm



Omega – Product benefits which count

The axially split volute casing of the new Omega makes this pump especially easy to service. Inspections of the rotor assembly is possible without removing the pump from the piping. When assembling, the locking of the upper part takes place automatically.



Innovative Casing

Hydraulically optimized casing in several material variants



Seal appropriate for the application

Mechanical seal or asbestos-free gland packing suitable to the application



Low Vibration

Small bearing distances and short rotors for low vibration operation



Variable Components

Same sealing and bearing housing, bearings and seals on both sides.

"Power" Impeller

Minimum axial thrust for the best hydraulic values

Long-life Bearing

Covered, grease lubricated rolling element bearings for long operating life

