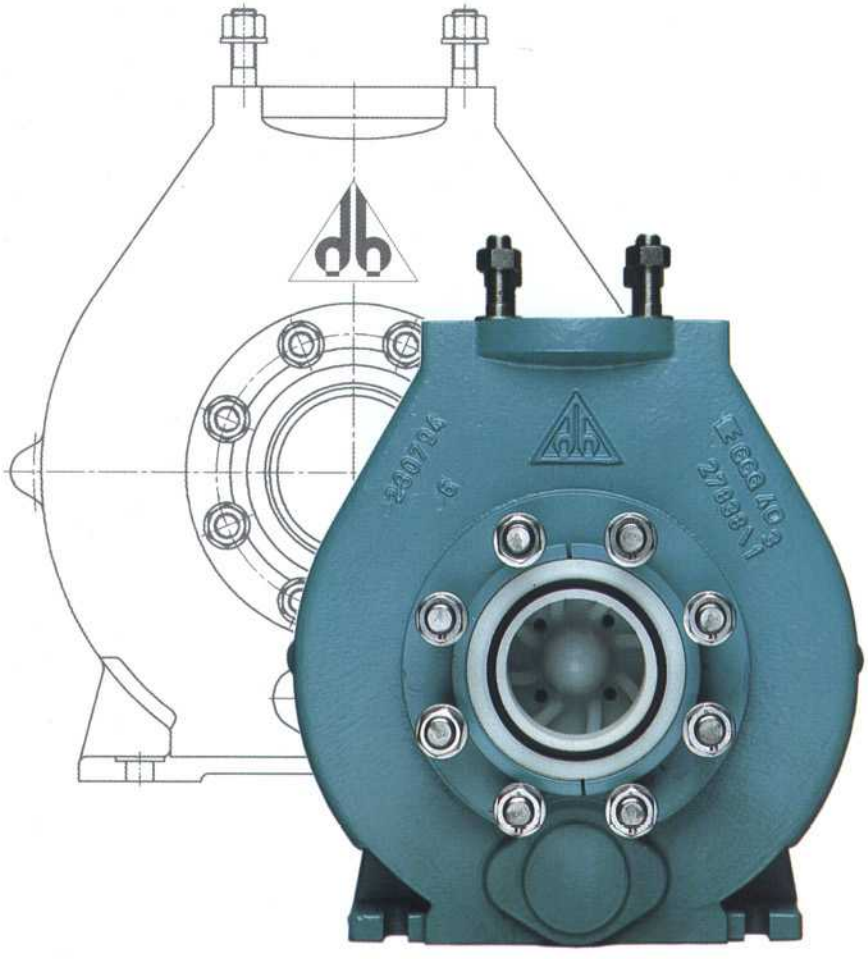
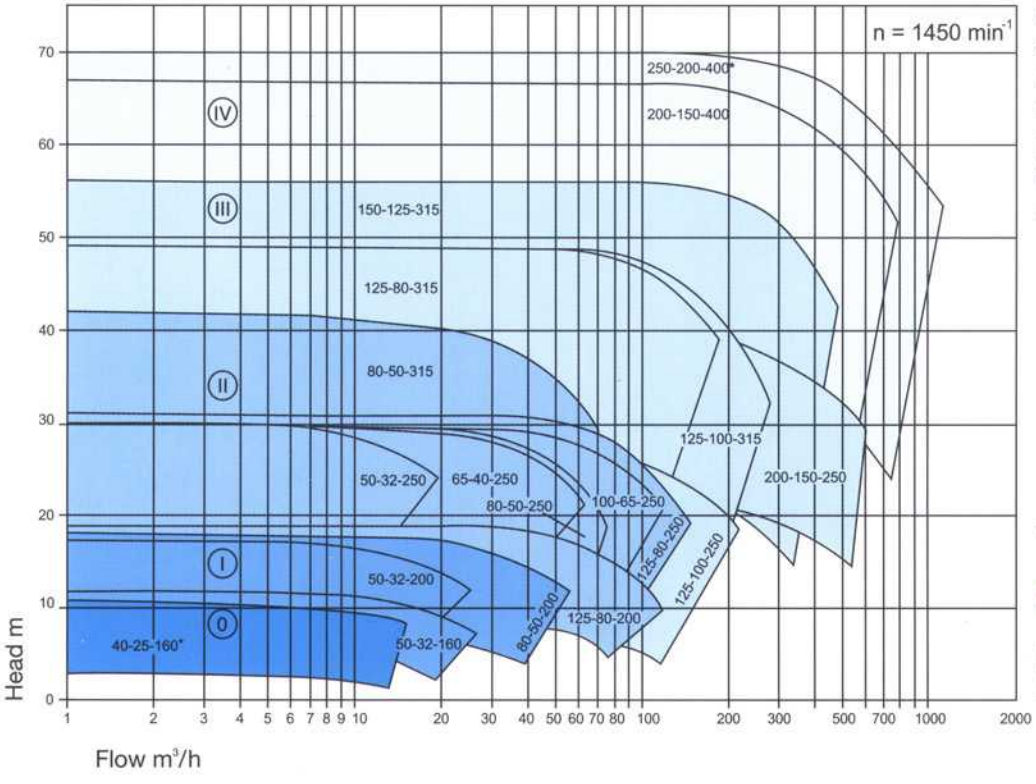
Standard
Chemical Pump
of Plastic Material
Type Series NE
ISO 2858 / DIN EN 22858



WERNERT-PUMPEN

Characteristic curves of the standard plastic pump for chemicals - series NE

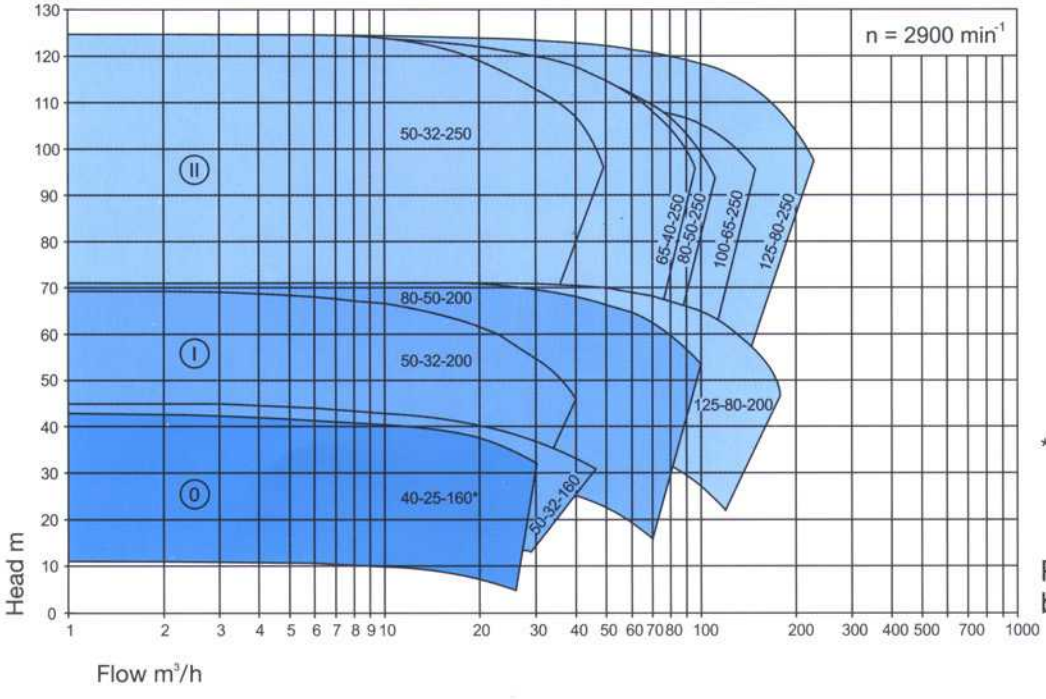


Special applications on request. We reserve the right to make technical modifications.

*Transnorm pump

0 / I / II / III / IV

Pump with same bearing support size.

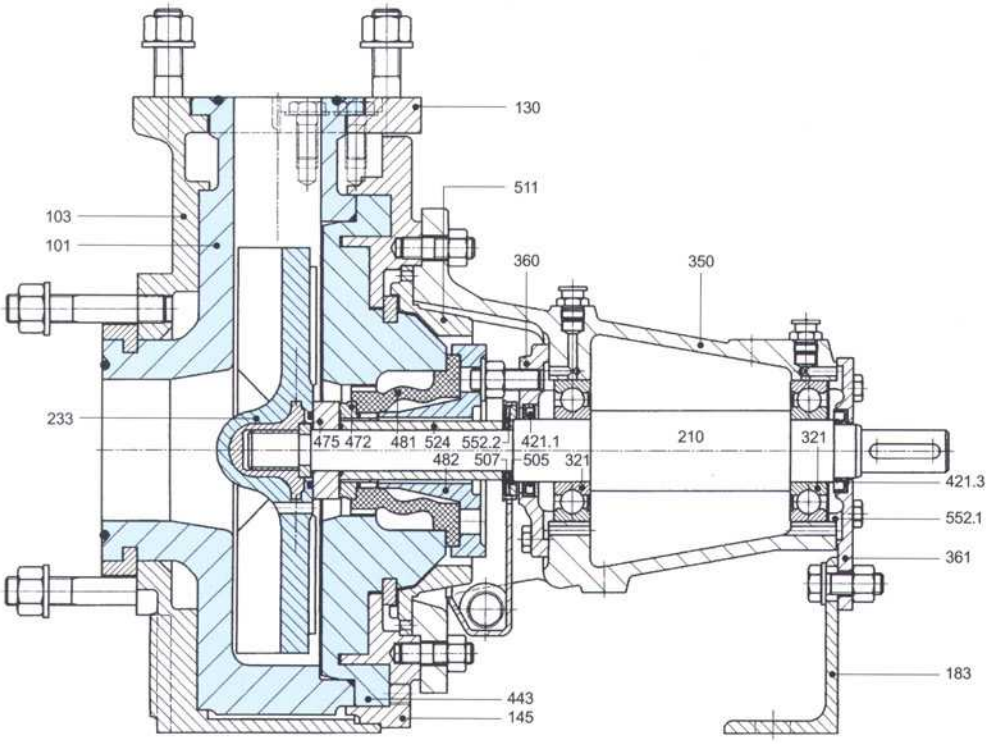


*Transnorm pump

0 / I / II

Pump with same bearing support size.

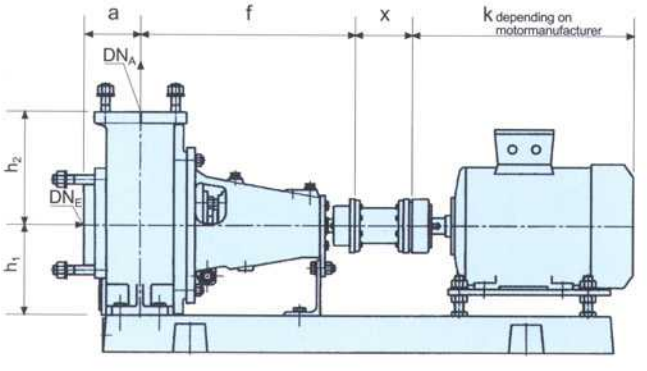
Cross section of the standard plastic pump for chemicals - series NE

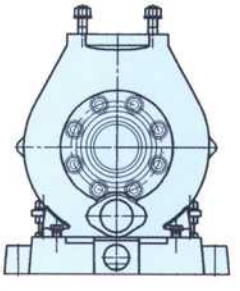


The type illustrated is the one with semi open impeller.
Only order spares according to the relevant parts list.

Part-No.	Designation
101	Pump casing
103	Annular casing
130	Part of the casing
145	Connecting piece
183	Support bracket
210	Shaft
233	Lefthand impeller
321	Radial ball bearing
350	Bearing casing
360	Bearing casing cover
361	Bearing casing end cover
421.1	Radial shaft seal ring
421.3	Radial shaft seal ring
443	Insert
472	Stationary seal ring
475	Rotating seal ring
481	Bellows
482	Bellows holder
505	Shoulder ring
507	Deflector
511	Centering ring
524	Shaft sleeve
552.1	Spanner (Clamping disc)
552.2	Spanner

Dimensions table





Type NE	Flange PN 16 DN1	DN2	a	f	h1	h2	x
40-25-160*	40	25	80	385	132	160	100
50-32-160	50	32	80	385	132	160	100
50-32-200	50	32	80	385	160	180	100
50-32-250	50	32	100	500	180	225	100
65-40-250	65	40	100	500	180	225	100
80-50-200	80	50	100	385	160	200	100
80-50-250	80	50	125	500	180	225	100
80-50-315	80	50	125	500	225	280	100
100-65-250	100	65	125	500	200	250	140
125-80-200	125	80	125	500	180	250	140
125-80-250	125	80	125	500	225	280	140
125-80-315	125	80	125	530	250	315	140
125-100-250	125	100	140	530	225	280	140
125-100-315	125	100	140	530	250	315	140
150-125-315	150	125	140	530	280	355	140
200-150-250	200	150	160	530	280	375	180
200-150-400	200	150	160	670	315	450	180
250-200-400*	250	200	180	670	425	500	180

*Transnorm pump

Dimensions in mm

WERNERT

WERNERT-PUMPEN

Standard Chemical Pump of Plastic Material Type Series NE

ISO 2858 / DIN EN 22858

Quality based on tradition

Announcing the successor to the proven NK series, the manufacturer of the world's first plastic centrifugal pump is pleased to introduce a series that will set new standards: the NE standard pump for use with chemicals.

Safety

The NE pump series has been developed for pumping aggressive, corrosive, solids-laden and toxic fluids. It has been designed by experts who know the harsh conditions prevailing in industry.

The solution:

- All pressure-bearing parts in metal enclosure
- Thick walled, replaceable plastic housing parts
- Complete spharoidal cast iron clad
- Will withstand loads corresponding to PN 16

Shaft seal

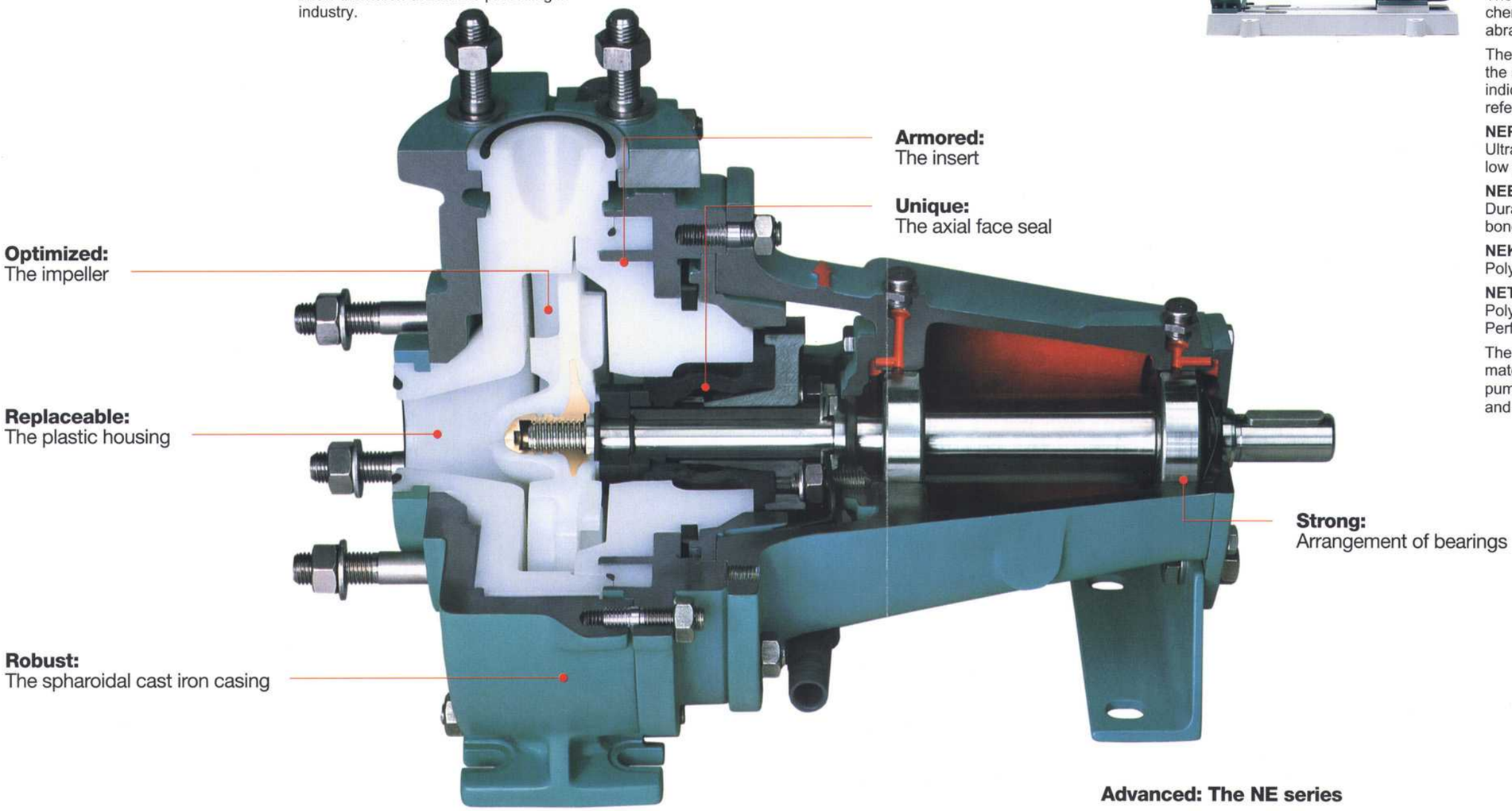
The WERNERT bellow-type axial face seal is of a unique simple construction that has proved itself a thousand times over.

It can be equipped with quench and/or continuous flushing if required.

Various single and double acting axial face seals made by well known manufacturers are also available for special applications.

Unit Construction

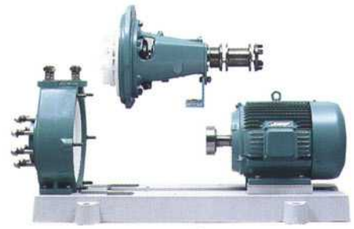
As FK- or FE series the chemical standard pumps are also available in unit construction. The connection dimensions follow ISO 2858/ DIN EN 22858.



Advanced: The NE series

Process Design

This constructional conception allows a quick exchange of the hydraulic side of the pump, without detaching the flanges or dismounting of the electric motor.



Hydraulic

Following the different requirements the standard pump can be equipped with closed (G) or with a semi open impeller (O). The use of a semi open impeller is recommended for solid loaded fluids. A non-chocable-pump (F), which should be used for liquids with higher solid content, can be realized after a few modifications. The hydraulic type is indicated with the fourth letter of the pump's name.

Materials

The choice of plastics depends on the chemical, thermal, mechanical and abrasive loads.

The following plastics are used to make the standard chemical pump and are indicated by the third letter of the type reference.

NEPO/NEPG/NEPF:
Ultra high molecular
low pressure polyethylene (UHMW-PE)

NEEO/NEEG/NEEF:
Durapox ®, a special epoxy resin bonded moulding compound

NEKO/NEKG/NEKF:
Polyvinylidenefluoride (PVDF)

NETO/NETG/NETF:
Polytetrafluoretyhlene (PTFE) or Perfluoralkoxy (PFA)

The temperature range in which these materials can be used depends on the pumping medium and is between -50°C and +160°C.