



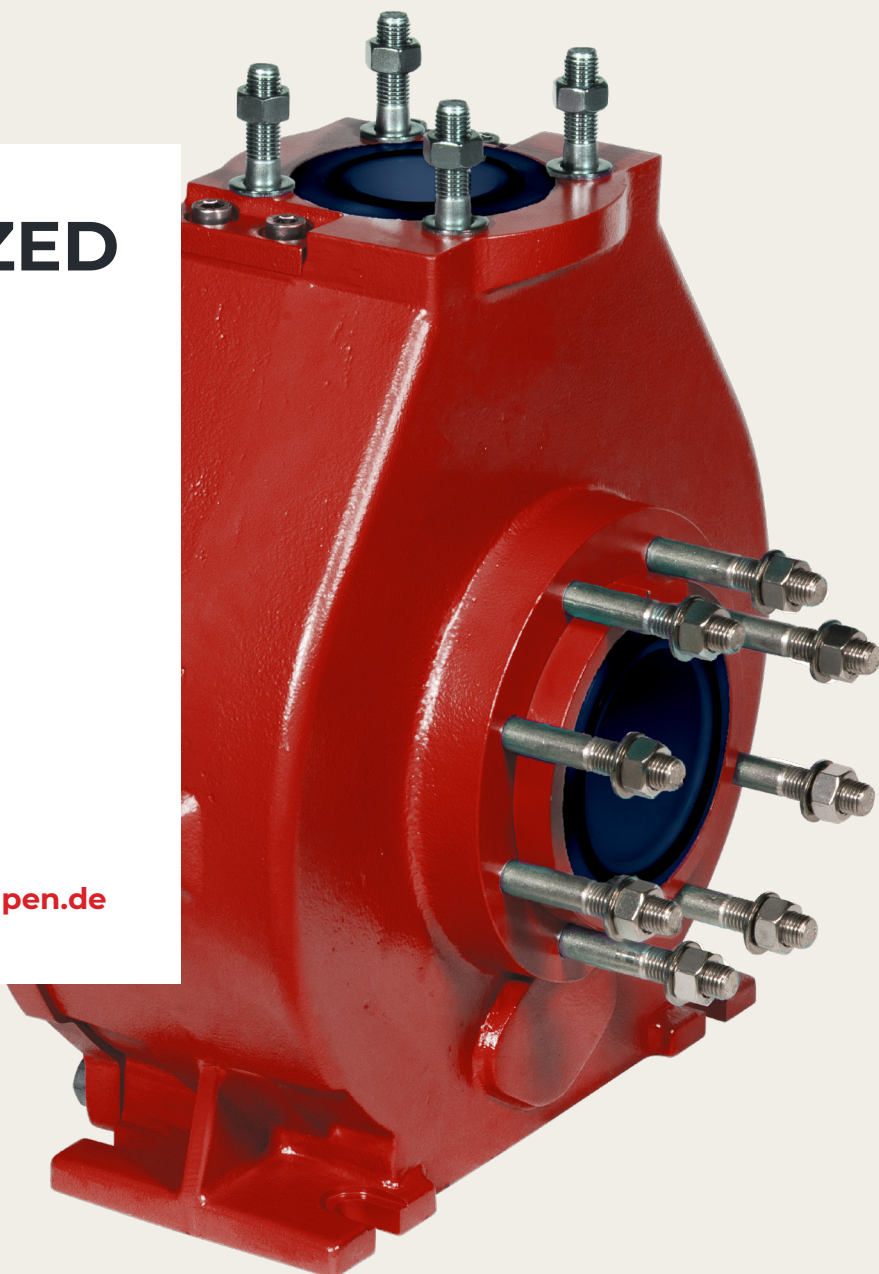
**HABERMANN AURUM  
PUMPEN**

# **STANDARDIZED CHEMICAL PUMPS**

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**INLINED WITH  
APFLEX®  
POLYURETHANE**

[www.habermann-aurum-pumpen.de](http://www.habermann-aurum-pumpen.de)



APFLEX®  
POLYURETHANE

THREE  
DRIVE TYPES

WITH FREE-  
FLOW IMPELLER

ACCORDING TO  
ISO 2858

COMBINATION  
OF MATERIALS

# HPN SERIES.

Standardized chemical pump according to EN ISO 2858

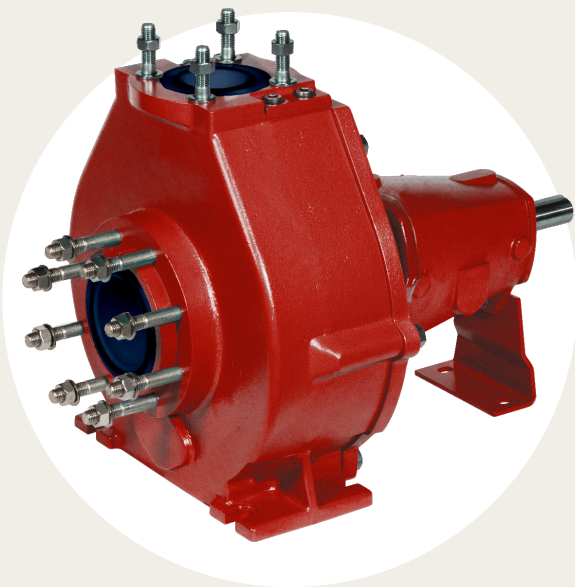
## Standardized chemical pump with polyurethane material APFlex®

The standard chemical pump in accordance with ISO 2858 is based on our experience with our proven HPK series. As with the HPK series, all media-contacting wear parts in the standardized pump are coated with a special polyurethane APFlex® and offers the same advantages in terms of wear protection as our Heavy-Duty HPK Pumps.

The standardized pump lined with PU offers not only high wear protection but also

improved resistance to aggressive chemicals. The chemical standardized pump is resistant to the known processing oils and has an increased temperature resistance of up to 95°C.

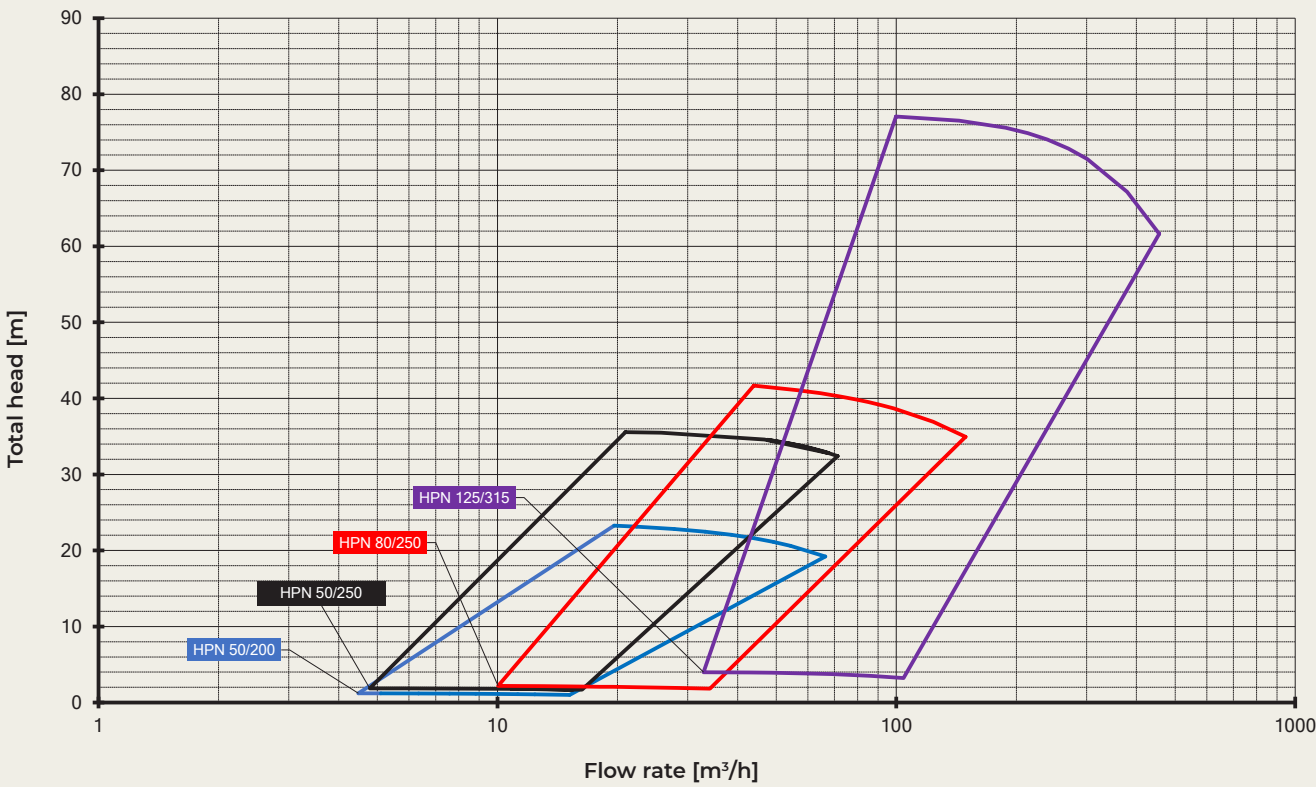
Moreover, this standardized pump is characterized by its maintenance-friendly design. Wear-prone parts can be easily replaced to maintain the pump's efficiency and minimize downtime.



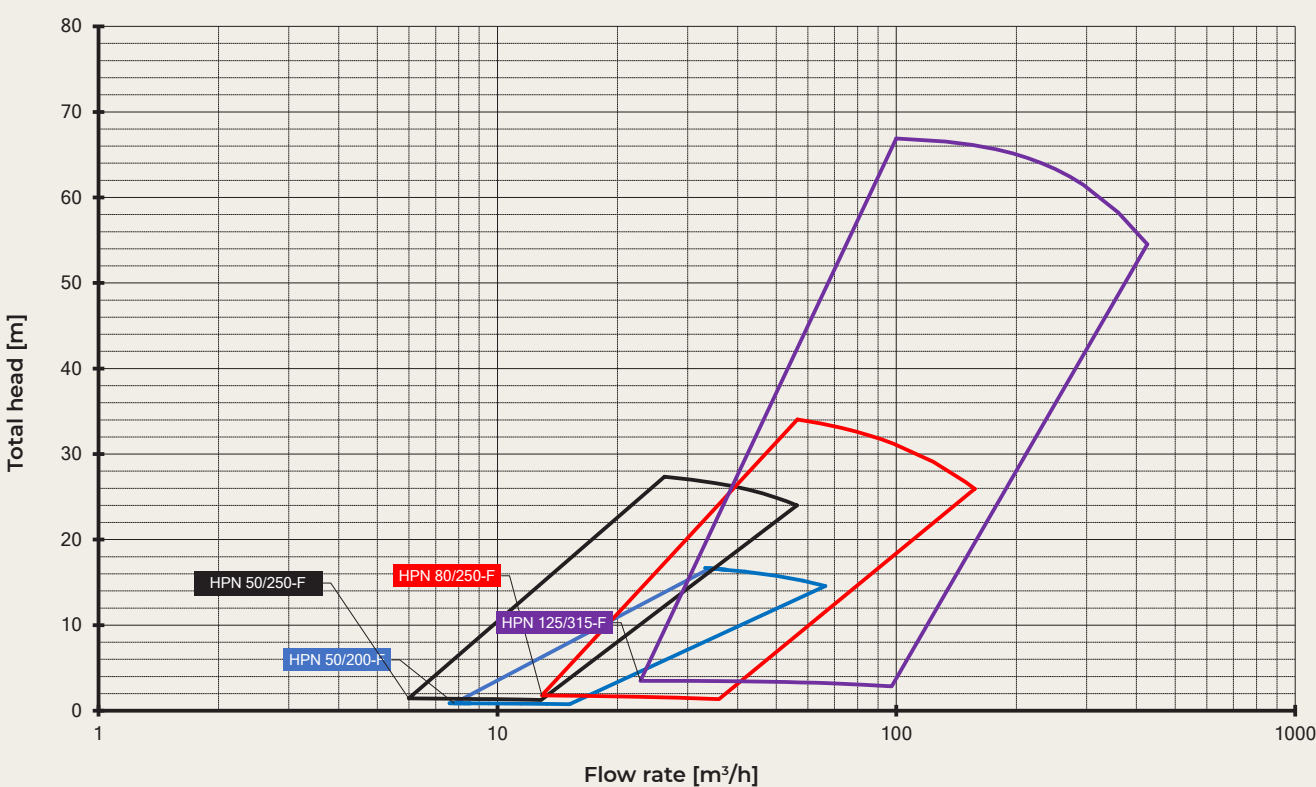
HPN SERIES	
Flow rate	15 – 400 m³/h
Material	Blue, Yellow and Green APFlex®
Sealing	Single-acting mechanical seal with quench in FKM and EPDM
Rated speed	4 poles (max. 1600 rpm)
Impellers	open and free flow
Drive types	Direct coupling , frequency inverter or V-belt drive

Power range of HPN pumps

## Characteristics of the HPN pumps



## Characteristics of the HPN pump with free-flow impeller





# Our materials.

Standardized pumps made of special polyurethane

## Innovative Polyurethane APFlex®

The choice of polyurethane lining depends on the chemical, thermal, mechanical or abrasive load. The following polyurethanes are used in our standardized chemical pump:

### APFlex® 10-01

Abrasion and corrosion resistant, oil resistant, especially suitable for acids and alkalis.

### APFlex® 60-01

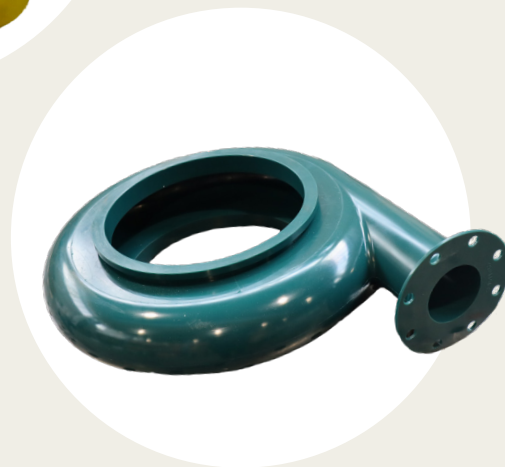
Suitable for the stone-earth area, especially

abrasion-resistant and resistant to the well-known processing oils.

### APFlex® 50-01

This material is a further development of the material APFlex® 10-01 with the aim of increasing the temperature resistance.

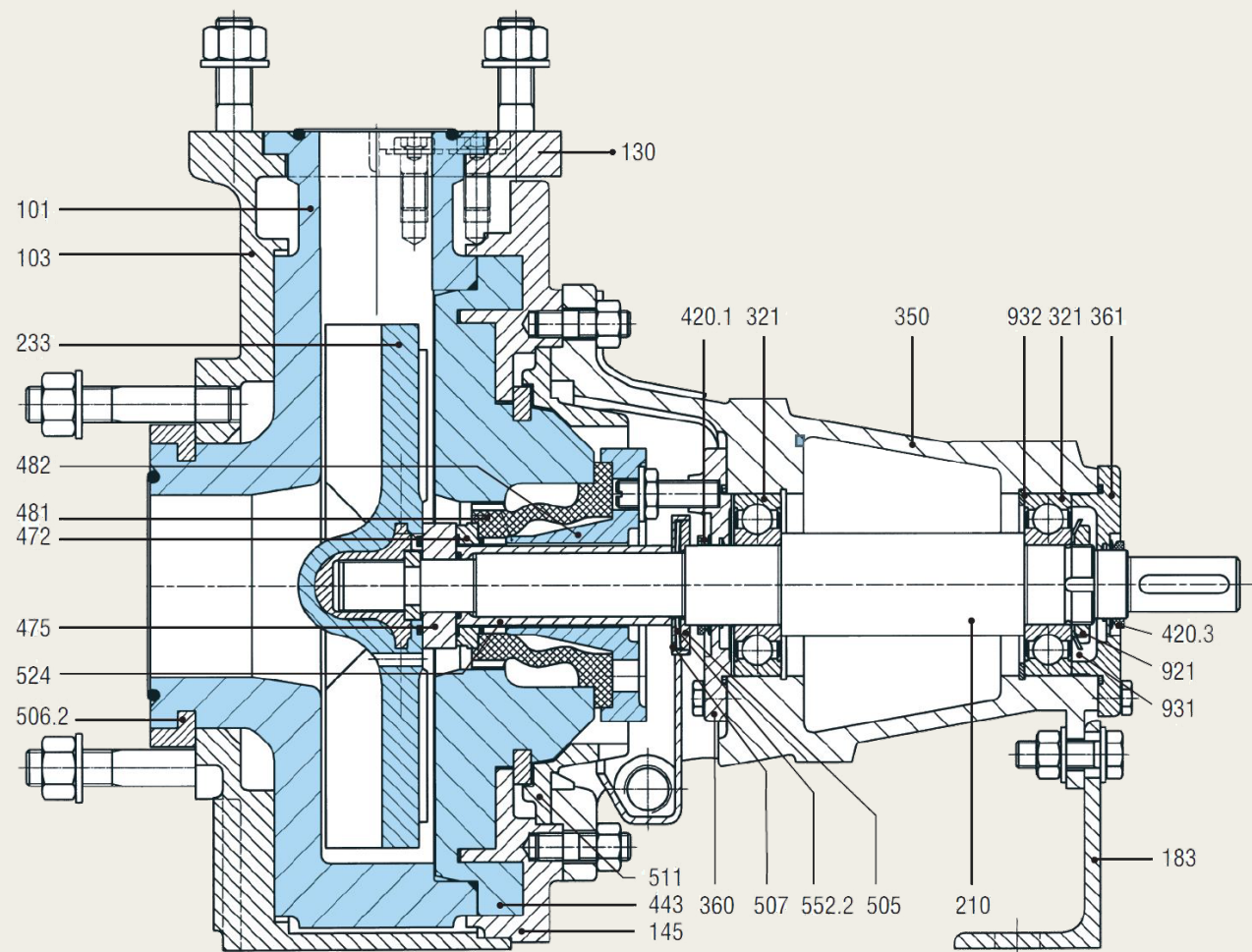
We also able to offer a combination of components made of UHMWE-PE, PP, PTFE and PU.



The special polyurethanes are colored differently to make it easier to identify the material properties. APFlex® is a registered trademark of the company Habermann Aurum Pumpen GmbH



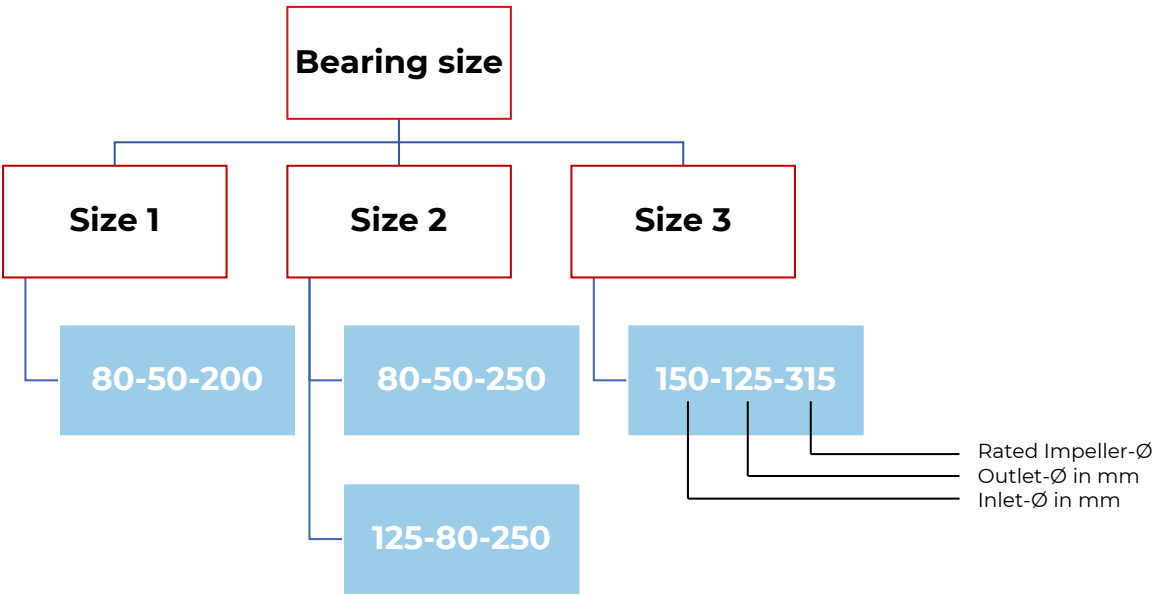
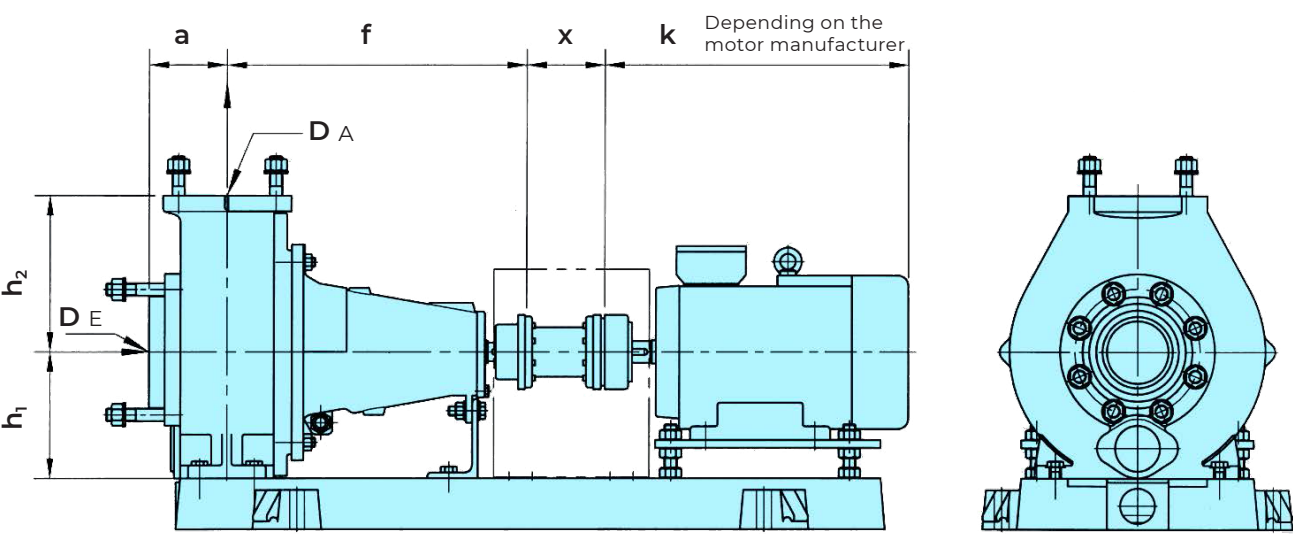
Sectional Drawing.



Part.No	Designation	Part.No	Designation
101	Pump casing	472	Slip ring
103	Ring housing	475	Counter ring
130	Housing part	481	Bellow
145	Connecting piece	482	Bellows holder
183	Supporting leg	505	Shoulder ring
210	Shaft	506.2	Retaining ring
233	Left impeller	507	Ring
321	Radial ball bearing	511	Centering ring
350	Bearing housing	524	Protection sleeve
360	Bearing cap	552.2	Spring washer
361	Bearing cap	921	Shaft nut
420.1	Shaft sealing ring	931	Locking plate
420.3	Shaft sealing ring	932	Locking ring
443	Sealing insert		

Dimension table.

Standardized chemical pump according to EN ISO 2858



HPN-Type	Flanges PN 16		a	f	h <sub>1</sub>	h <sub>2</sub>	x
	DN <sub>E</sub>	DN <sub>A</sub>					
80-50-200	80	50	100	385	160	200	100
80-50-250	80	50	125	500	180	225	100
125-80-250	125	80	125	500	225	280	140
150-125-315	150	125	140	530	280	355	140

\* Dimension in mm

technical changes reserved



**HABERMANN AURUM  
PUMPEN**

PUMPS | VALVES | DREDGERS | ENGINEERING

**WE LOOK FORWARD TO  
WORKING WITH YOU!**

**HABERMANN AURUM PUMPEN GMBH**

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V. 04.2024

