

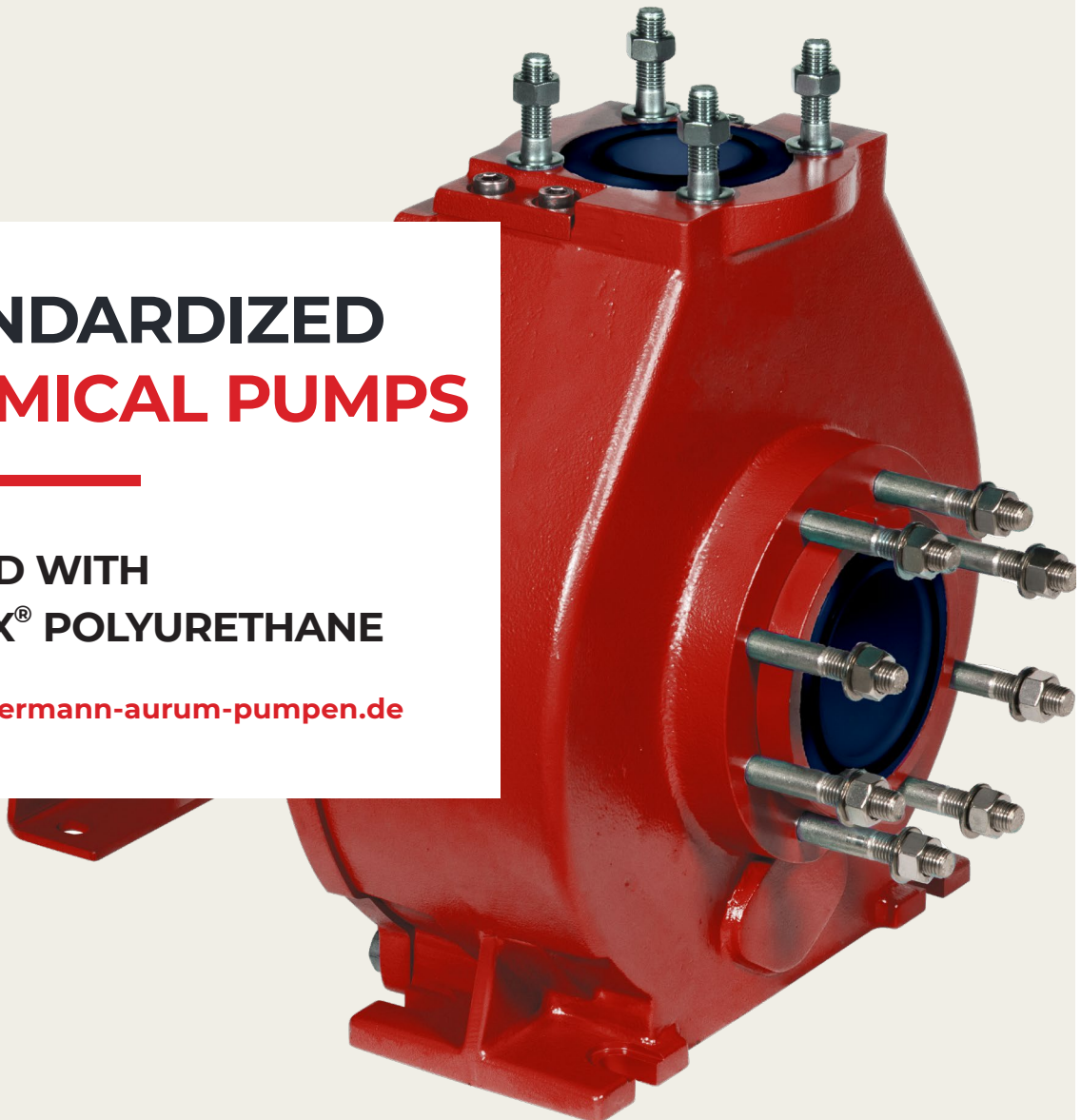


**HABERMANN AURUM
PUMPEN**

STANDARDIZED CHEMICAL PUMPS

**INLINED WITH
APFLEX® POLYURETHANE**

www.habermann-aurum-pumpen.de



**APFLEX®
POLYURETHANE**

**THREE
DRIVE TYPES**

**WITH FREE-FLOW
IMPELLER**

**ACCORDING TO
ISO 2858**

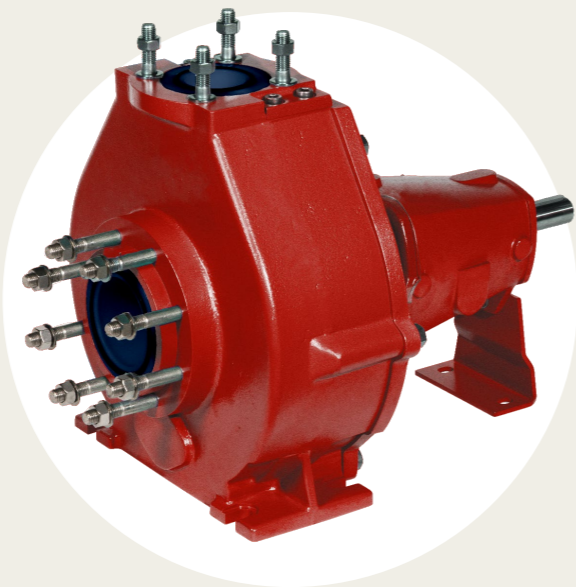
HPN SERIES.

Standardized chemical pump according to EN ISO 2858

Standardized chemical pump with polyurethane material APFlex®

In order to better serve our customers in the chemical industries, we started to develop a chemical standardized pump according to ISO 2858 in 2022. This pump is equipped with our proven polyurethane material APFlex® and thus offers the same advantages in terms of wear protection as our Heavy-Duty HPK Pumps . The great advantage of this chemical pump is that the parts affected by wear can be easily replaced.

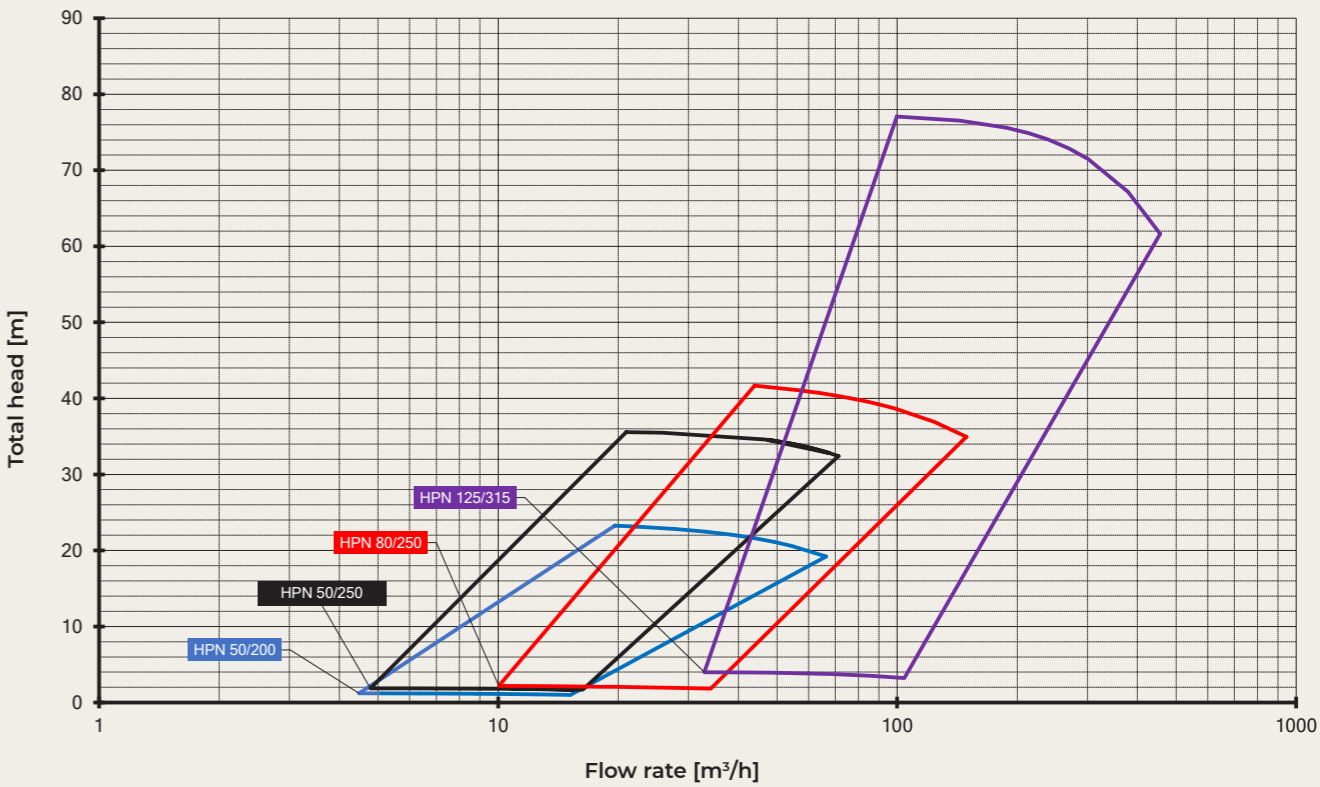
We are currently working intensively on the design of the polyurethane components so that we can supply our customers with HPN Series from 2023. Thank to many years of cooperation with a leading plastic pump manufacturer, we will be able to offer a combination of components made of UHMWE-PE, PP, PTFE and PU.



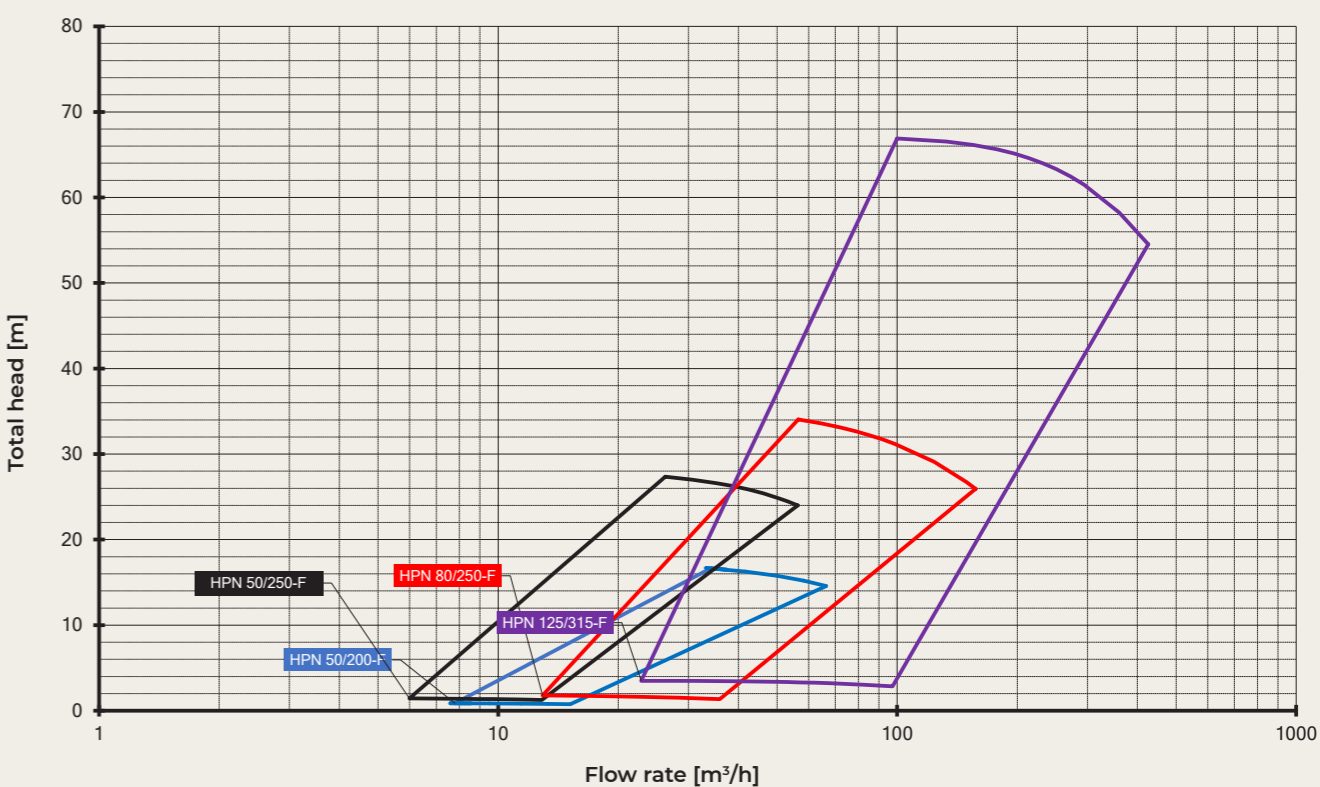
HPN SERIES	
Flow rate	15 – 400 m³/h
Material	Blue, Yellow and Green APFlex®
Sealing	Single-acting mechanical seal with quench in FKM and EPDM
Rated speed	4 poles (max. 1600 rpm)
Impellers	open and free flow
Drive types	Direct coupling , frequency inverter or V-belt drive

Power range of HPN pumps

Characteristics of the HPNpumps



Characteristics of the HPN pump with free-flow impeller



Our materials.

Standardized pumps made of special polyurethane

Innovatives Polyurethan APFlex®

The choice of plastic depends on the chemical, thermal, mechanical or abrasive load.

The following polyurethanes are used in our standardized chemical pump:

High Quality AP 10-01

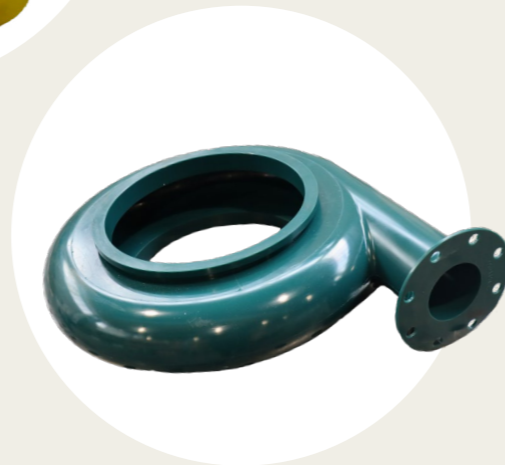
Abrasion and corrosion resistant, oil resistant, especially suitable for acids and alkalis.

High Quality AP 60-01

Suitable for the stone-earth area, especially abrasion-resistant and resistant to the well-known processing oils.

High Quality AP 50-01

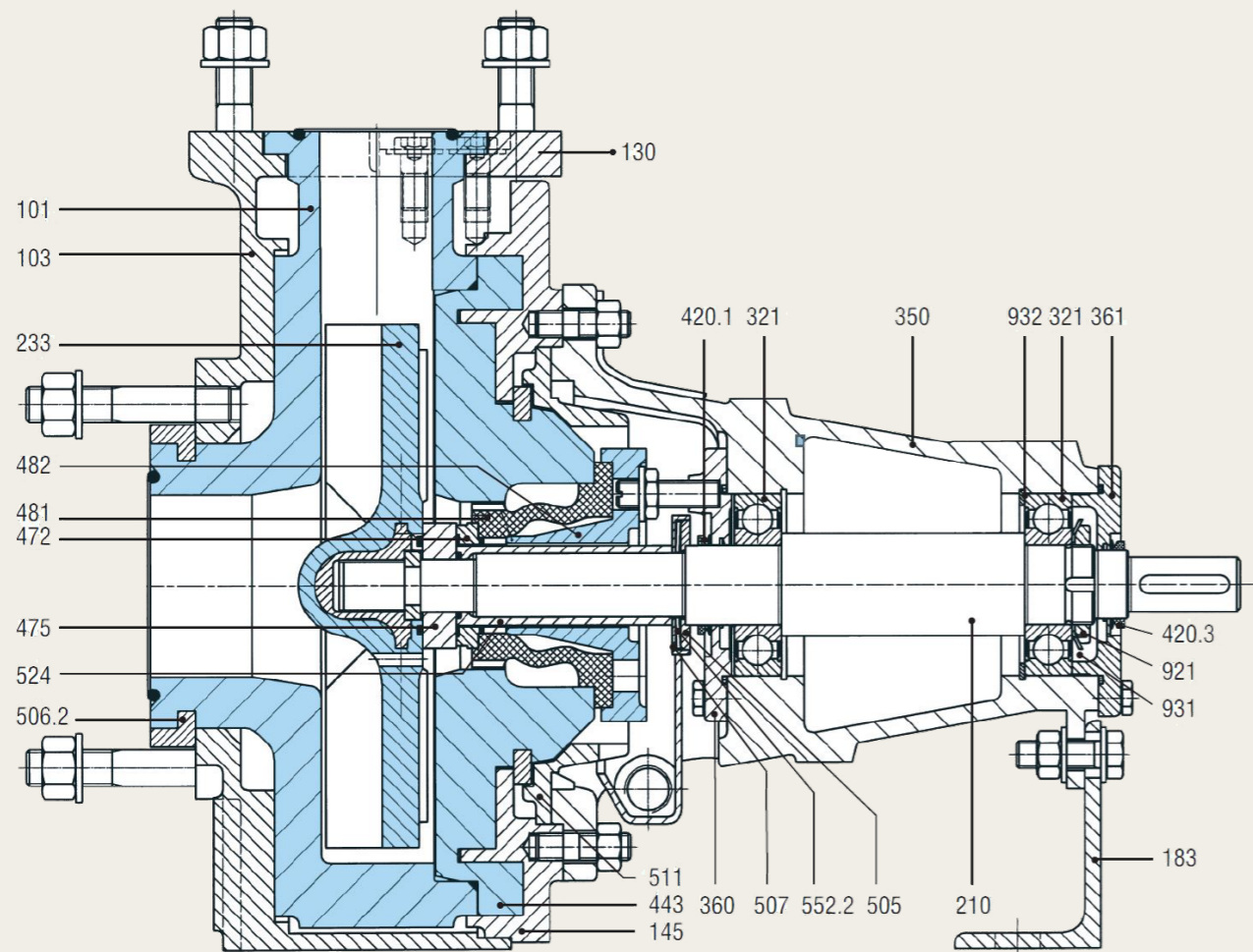
This material is a further development of the material AP 10-01 with the aim of increasing the temperature resistance.



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



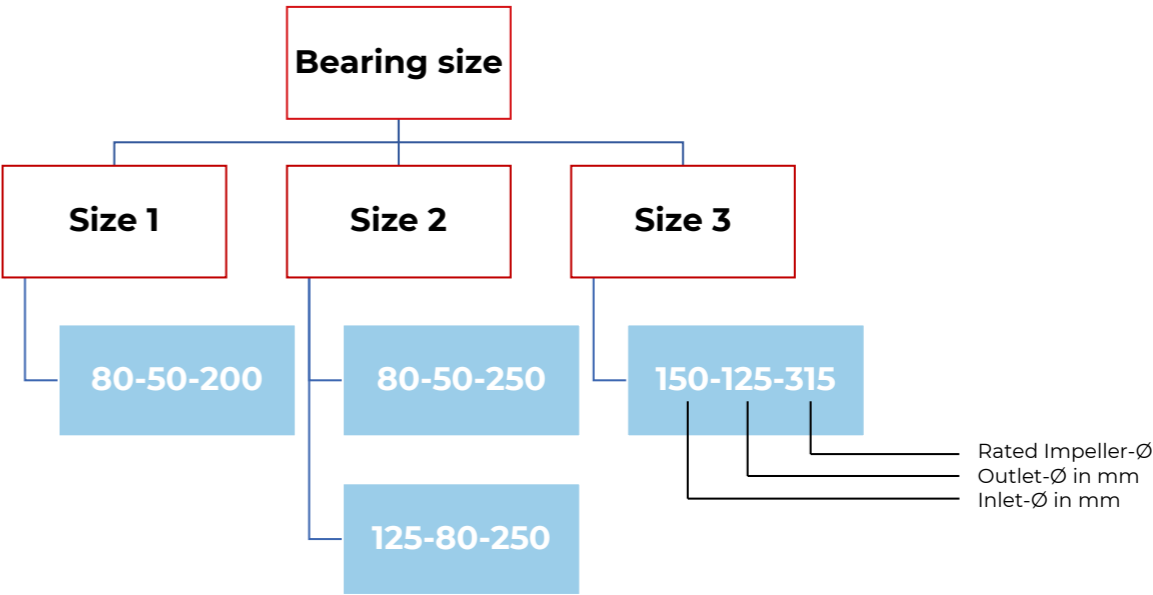
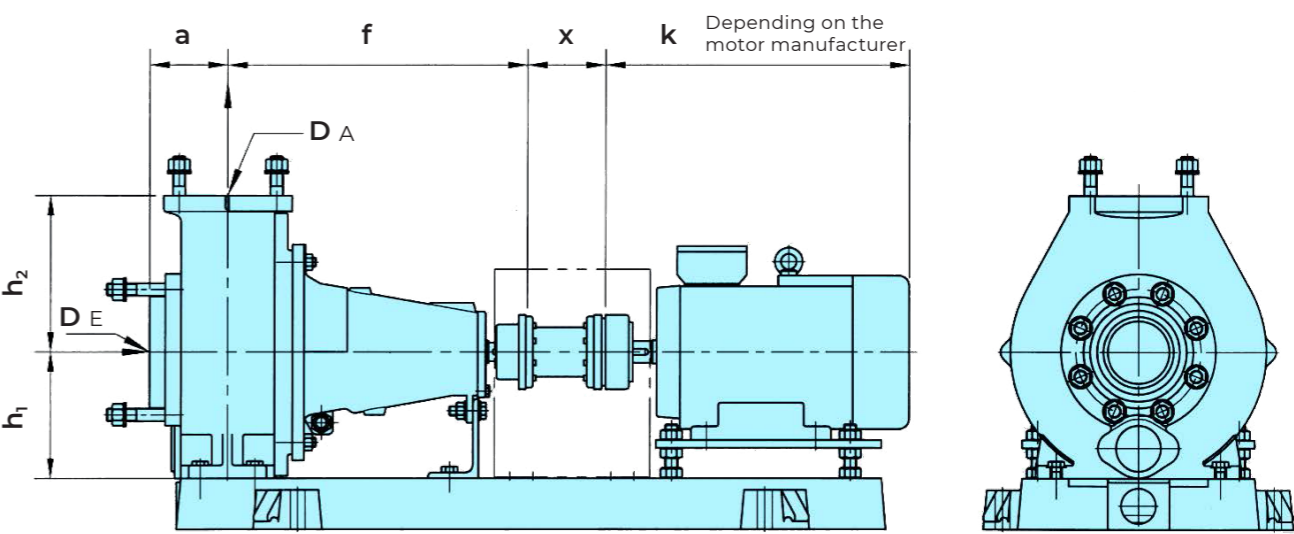
Sectional Drawing.



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 ₁	h ₂	x
	DN _E	DN _A					
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!**

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V. 15.05.2023

