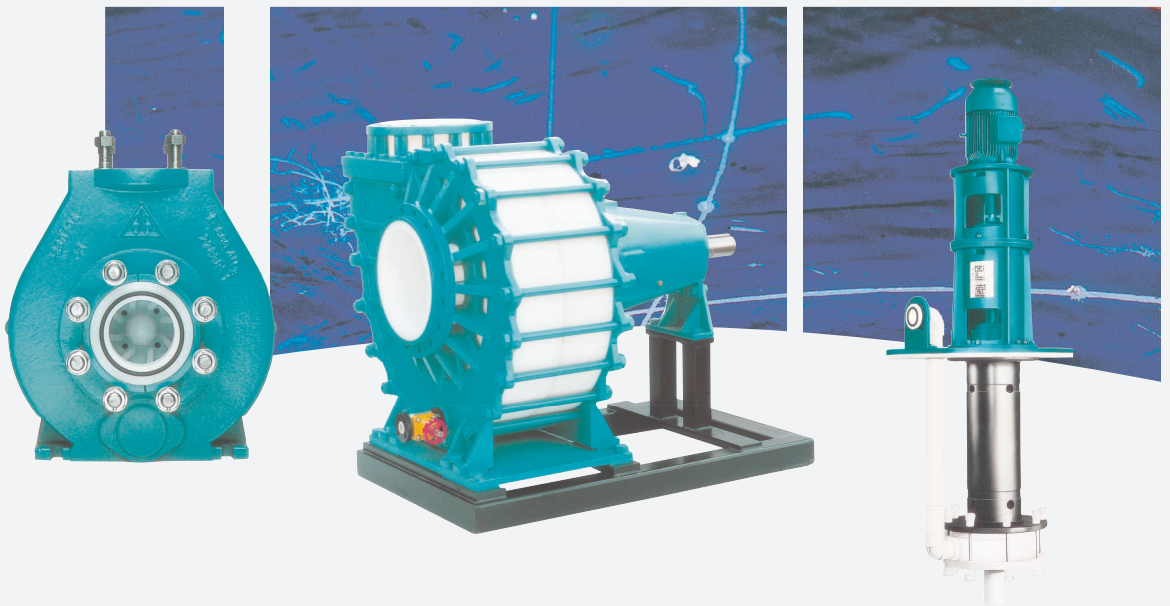


# Plastic Pumps The Programme

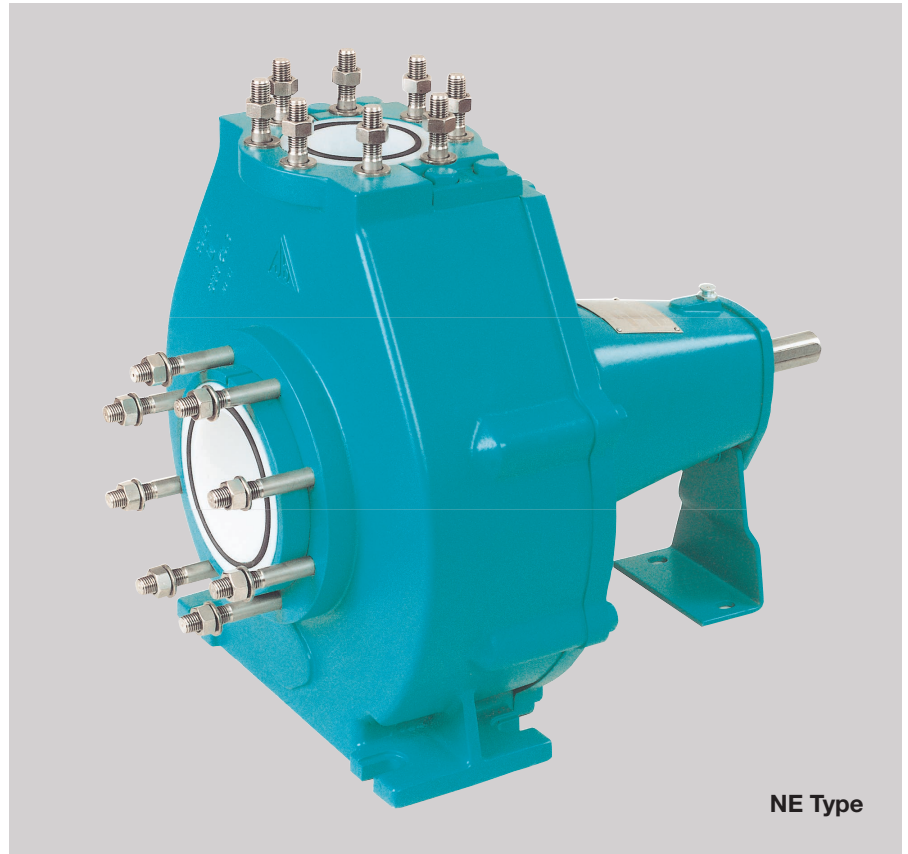


**WERNERT-PUMPEN**



## Standard Chemical Pump of Plastic Material

ISO 2858 / DIN EN 22858  
Series NE



NE Type



FK and FE Type

### The General Purpose Pump – Safe and Robust.

Flowrate	0,5 up to 1000 m <sup>3</sup> /h	
Differential head	up to 110 m	
Main materials of construction and temperature limitations:	UHMW-PE	up to 90° C
	PVDF	up to 115° C
	WERNIT®	up to 125° C
	PTFE	up to 165° C

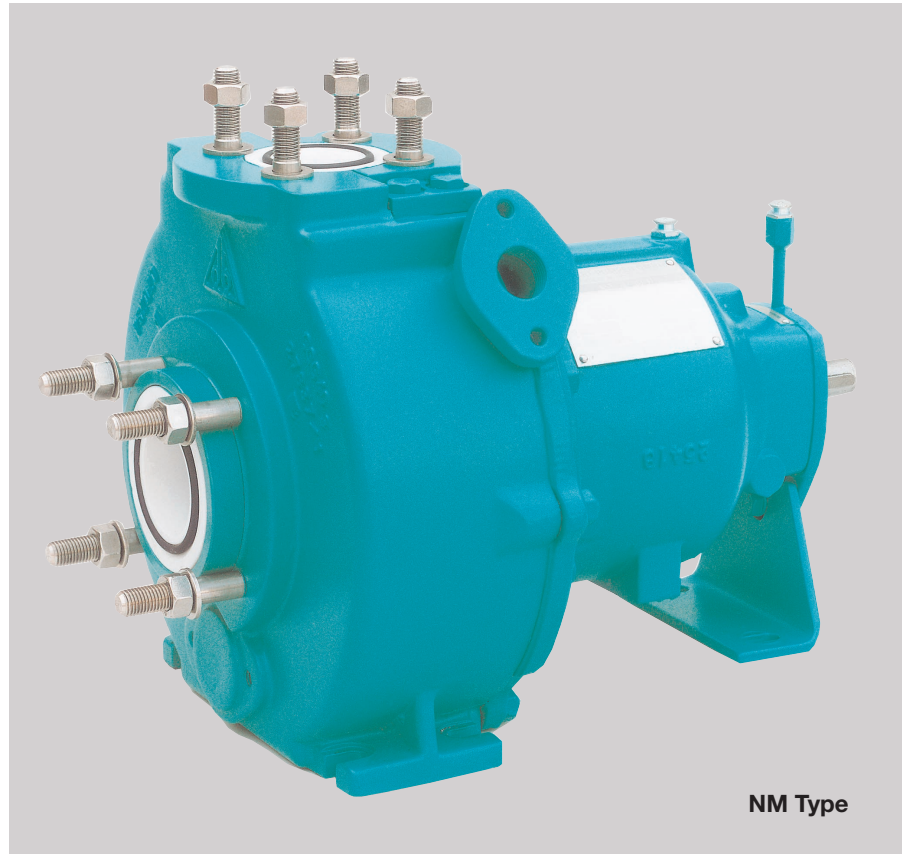
For conveying aggressive, corrosive, solid laden or toxic liquids. Smaller sizes are available in unit construction (Type series FK or FE).

#### Technical properties:

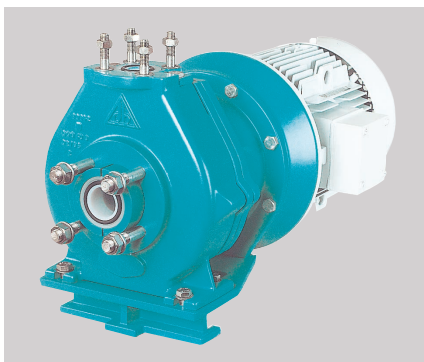
- Single stage process designed radial centrifugal pump, with back pull - out facility
- Semi open or closed impeller
- WERNERT single bellows type mechanical seal or
- Double acting mechanical seal of most well known seal manufacturers
- Thickwalled interchangeable plastic parts
- Completely cast iron clad
- All forces from piping are fully supported by metal casing
- Grease and oil lubricated versions available

## Standard Chemical Pump of Plastic Material with Magnetic Drive

ISO 2858 / DIN EN 22858  
Series NM



**NM Type**



**FM Type**

### The Safety Pump – Absolutely leakage free.

Flowrate	0,5 up to 70 m³/h	
Differential head	up to 70 m	
Main materials of construction and temperature limitations:	UHMW-PE	up to 90° C
	PVDF	up to 115° C
	PTFE	up to 165° C

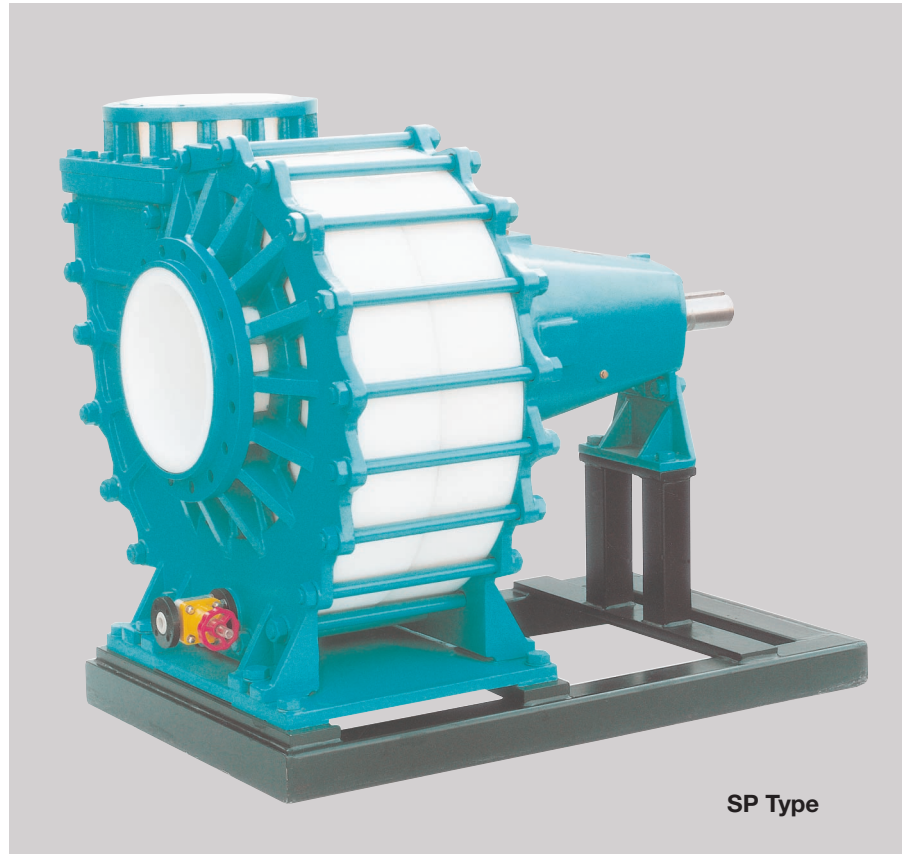
For conveying aggressive, corrosive, solid laden or toxic liquids. All sizes available in unit construction (FM Type).

#### Technical properties:

- Single stage process designed radial centrifugal pump
- Semi open impeller
- Hermetic tight through eddycurrent free CFK/ PTFE isolation shell
- Magnetic couplings out of Cobalt - Samarium between 25 Nm and 100 Nm
- External flushing for solid laden liquids
- Thickwalled interchangeable plastic parts
- Completely cast iron clad
- All forces from piping are fully supported by metal casing
- Grease or oil lubricated version available

## Process Pump of Plastic Material

Series SP



**The Power-Pump – More than 100 installations worldwide.**

Flowrate	500 up to 2300 m <sup>3</sup> /h	
Differential head	up to 40 m	
Main material of construction and temperature limitation:	UHMW-PE	up to 90° C

For conveying aggressive, corrosive or solid laden liquids, i.e. in flue gas desulphurization plants (FGD).

**Technical properties:**

- Single stage process designed radial centrifugal pump
- Closed impeller, specially designed for high abrasion applications
- High efficiency as comparable metallic pumps

- WERNERT Single - bellows mechanical seal or
- Double acting heavy duty mechanical seal of most well known seal manufacturers
- Thickwalled interchangeable plastic parts
- Grease or oil lubricated versions available

## Vertical Immersion Chemical Pump of Plastic Material

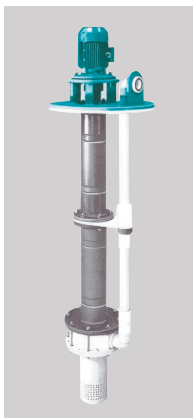
Series VKPF



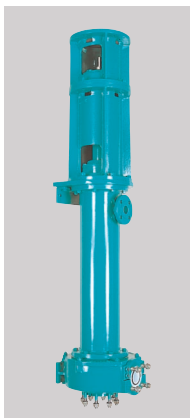
For conveying aggressive, corrosive or solid laden liquids from basins, vessels or sumps. Space saving version for fixing to side of vessel available (NKPF Type).

**Technical properties:**

- Single stage vertical radial centrifugal pump
- Semi open impeller
- Delivery suspension pipe rubber lined or Halar coated
- Dry running is possible for a short time, because no rotating mechanical seal is necessary
- Driving and bedding of the shaft in protected unsubmerged area
- Thickwalled interchangeable plastic parts
- Type VKP: Intermediate bearings in submerged area with internal or external flushing



VKP Type



NKPF Type

### The Sump-Pump – Non destructable.

Flowrate	0,5 up to 800 m <sup>3</sup> /h	
Differential head	up to 110 m	
Depth of immersion	up to 1,5 m with cantilevered shaft (VKPF Type) up to 8,5 m with intermediate bearing (VKP Type)	
Main materials of construction and temperature limitations:	UHMW-PE PP PVDF	up to 90° C up to 95° C up to 115° C

**WERNERT-PUMPEN**



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