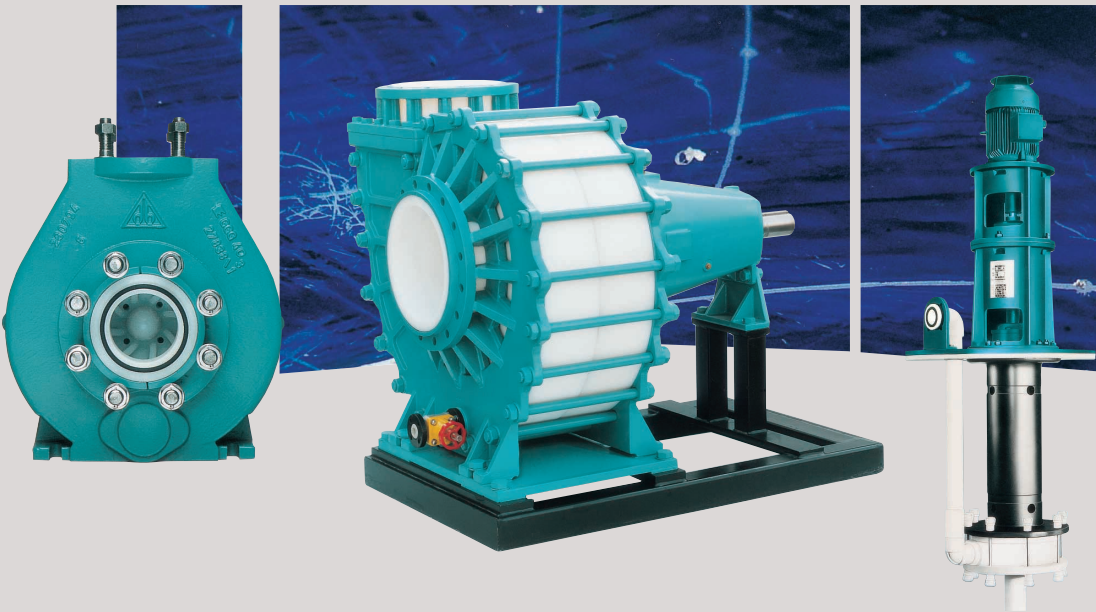


# Plastic Pumps The Programme



**WERNERT-PUMPEN**



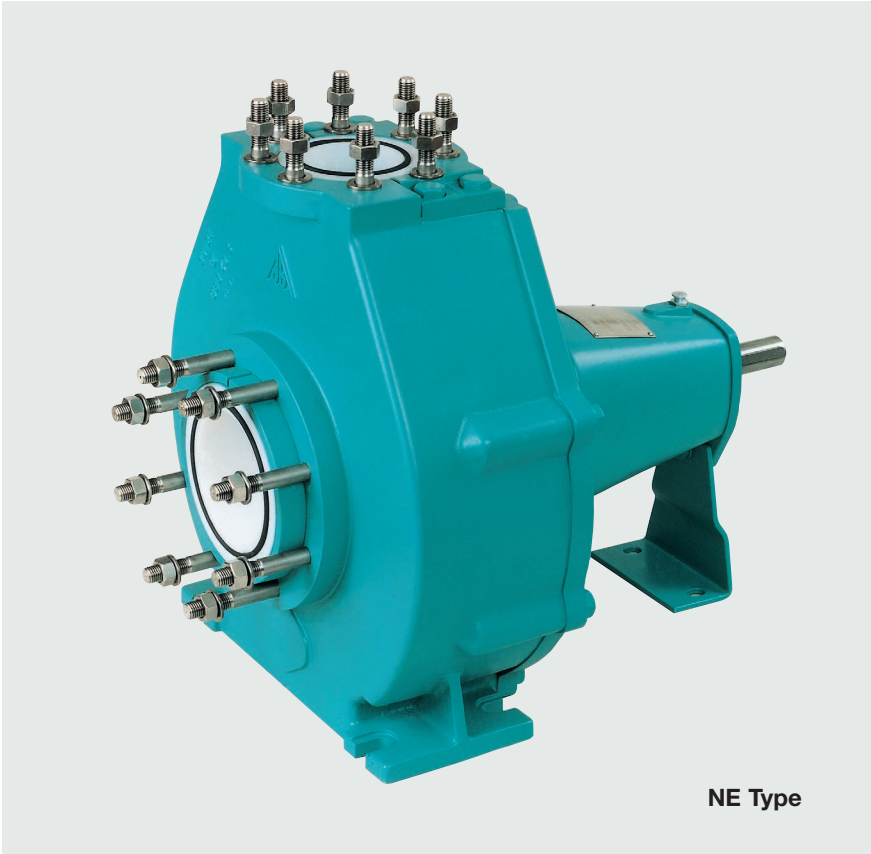


Standard  
Chemical Pump  
of Plastic Material

ISO 2858 /  
DIN EN 22858

ATEX

Series NE



NE Type



FK and FE Type

The General Purpose Pump – Safe and Robust.

Flowrate	0.5 up to 1000 m³/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
- Thick-walled 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

ISO 2858 /  
DIN EN 22858

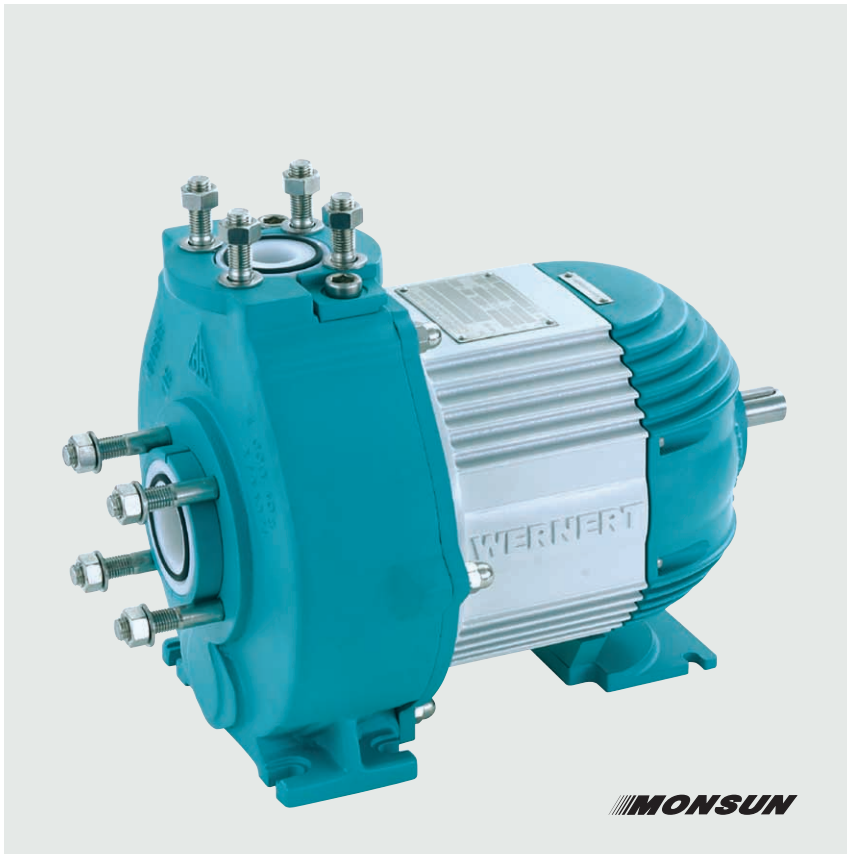
ATEX

with magnetic-  
drive

MONSUN

with canned  
motor

TAIFUN



TAIFUN

TAIFUN and MONSUN:  
To convey aggressive, corrosive  
and/or toxic liquids.

TAIFUN and MONSUN – absolutely leakage-free.

Flowrate	0.5 up to 150 m³/h	
Differential head	up to 80 m	
Main materials of construction and temperature limitations:	UHMW-PE PTFE	up to 90 °C up to 165 °C

TAIFUN

- Integrated synchronous motor for operation with frequency converter
- Highest safety by means of double containment
- Ultra-compact construction
- Main materials PFA/PTFE
- Fixed impeller diameter
- Trouble-free operation under the worst conditions of gas entrapment or cavitation

MONSUN

- Revolutionary “barrel bearing” technology
- Double application for patent
- High gas entrapment, complete stop of flow or cavitation cause no problems
- Thick-walled, interchangeable plastic parts
- Also available in unit construction



Process Pump  
of Plastic Material

Series SP



The Power-Pump – More than 400 installations worldwide.

Flowrate	500 up to 2300 m³/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 highly abrasive applications
- High efficiency similar to comparable metallic pumps
- WERNERT Single - bellows mechanical seal or
- Double acting heavy-duty mechanical seal of most well-known seal manufacturers
- Thick-walled interchangeable plastic parts
- Grease or oil lubricated versions available



Vertical  
Immersion  
Chemical Pump  
of Plastic Material

ATEX

Series VKPF



VKP Type



NKPF Type



VKPF Type

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
- Thick-walled interchangeable plastic parts
- Type VKP: Intermediate bearings in submerged area with internal or external flushing

The Sump-Pump – invincible.

Flowrate	0.5 up to 800 m³/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	up to 90 °C
	PP	up to 95 °C
	PVDF	up to 115 °C

## **WERNERT-PUMPEN**



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