



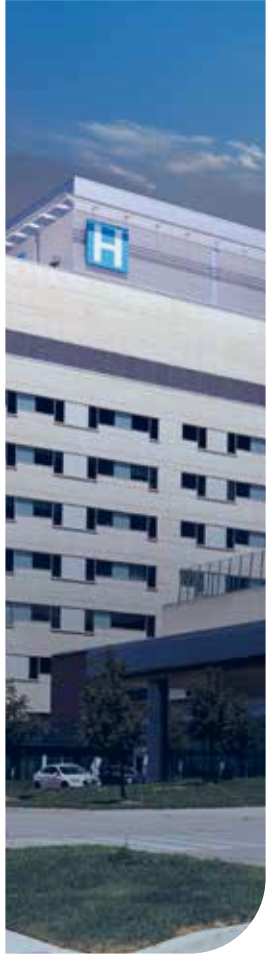
Product Catalogue

“Leader of a Sustainable Future!”

With our half-century of experience, we aim to become a pioneer of sustainability in the industry with innovative fluid technologies that prioritize the efficient use of energy and water resources, and to become a globally preferred leading brand through our innovative solutions.







Our objective with our superior technology is to **“always further”...**

Masdaf, established in 1977 with the principle of using water and energy efficiently to help preserve vital resources, and founded with 100% domestic capital, manufactures energy-efficient, sustainability-focused, and innovative fluid technologies.

With its high-efficiency and sustainable fluid technology solutions, Masdaf is a leading brand in its sector. At its production facilities located in Düzce and Tuzla, spanning a total area of 52,000 m², Masdaf manufactures end-suction pumps, inline pumps, axially split-case pumps, booster sets, expansion tanks, fire pumps, multistage pumps, process pumps, submersible pumps, column pumps, self-priming pumps, and gear pumps.

Masdaf produces centrifugal fluid technologies for use in a wide range of applications, including industrial processes, irrigation, heating and cooling systems, marine industry, wastewater transfer, fire extinguishing systems, petrochemical industry, and agricultural irrigation.

Adopting a customer-centric approach to meet customer expectations at the highest level, Masdaf prioritizes customer satisfaction in all stages — from R&D to production of pump technologies — and customizes its products to meet the specific needs of each project.



Masdaf in the World

With its wide network of dealers and service points across Turkey, Masdaf has adopted the mission of providing the best service in the field of fluid technologies in the shortest possible time. Exporting high-efficiency pump systems — developed in compliance with ERP directives — to more than 106 countries, Masdaf is taking firm steps toward becoming a global brand of Turkey through its established network of distributors and service partners worldwide.



Our R&D is our strength!

Masdaf, which holds a significant position in the global market, is one of the few companies in the pump industry that develops and designs new models. With a strong R&D department and state-of-the-art test stations equipped with advanced computer technologies, Masdaf carries out a comprehensive process from design to prototype manufacturing.



Reliable Solution Partner of Industries

Masdaf supplies industrial facilities with smart pump systems that benefit from high efficiency and extended life.

✓ Iron and Steel

✓ Automotive

✓ Glass

✓ Textile

✓ Mining

✓ Paper

✓ Power Plants

✓ Chemical

✓ Food

✓ General Industry

✓ Petro Chemicals



Superior Quality Approach

In today's competitive environment, achieving customer satisfaction is becoming increasingly challenging. That's why we must now monitor and continuously improve the quality of both our products and the services we offer.

Masdaf ensures that the materials used in production meet the required specifications from the moment they enter the facility. It monitors potential defects in the materials that may arise either from their inherent properties or du-

ring the production process at various stages. In doing so, Masdaf ensures that the final products are manufactured in line with customer expectations.

By utilizing its quality control module, Masdaf continuously monitors its production processes, identifies potential issues that may lead to defects in advance, and takes proactive measures. In this way, it enables instant interventions, minimizing scrap and rework costs



“ Broad Application Areas ”



Building Technologies

We offer energy-efficient solutions and products for residential buildings, detached houses, and apartment complexes, as well as for public buildings, industrial and commercial facilities, hospitals, and hotels.



Industrial Processes

Each industrial sector has its own unique and complex requirements based on production technologies and the materials used in its components.

That's why we develop tailored industrial solutions and products that ensure highly efficient, safe, and reliable production processes.



Agriculture and Irrigation

We manufacture diesel engine-driven and trailer-mounted pumps for water supply in garden and field irrigation, especially in areas without access to electricity.



Waste Water

We develop solutions using self-priming pumps, vertical shaft sewage pumps, and submersible pumps for the transfer of sewage, groundwater, and septic waters.



Water Transfer

With single-stage, multi-stage, and double-suction pumps, we provide effective and efficient solutions for water supply and booster stations, industrial and municipal facilities, and water pressurization systems.



Fire Extinguishing

We manufacture horizontal, end-suction, and split-case double-suction centrifugal pumps compliant with NFPA 20, UL, FM, and EN 12845 standards.



Maritime

We offer norm centrifugal pumps made of stainless steel, duplex steel, and bronze for ship applications, along with horizontal, vertical shaft multistage, and double-suction pumps, as well as automatic suction systems to the market.

Category Name	Product	Building Technologies	Industry / OEM	Infrastructure	Maritime
PRODUCTS	NM	●	●	●	●
	NMM	●	●	●	●
	NMP	●	●	●	●
	INM	●	●		●
	INM Duo	●	●		●
	INM GenIO	●	●		●
	ModulA Blue	●	●		
	ModulA-D	●	●		
	ModulA Red	●	●		
	MiniDAF	●	●		
	MiniHexa	●	●		●
	MiniJet	●	●		
	DSP	●	●		●
	SuperDAF	●	●		●
	MultiDAF	●	●		●
	MultiHexa	●	●		●
	MultiHexa GenIO	●	●		
	Expansion Tanks	●	●	●	●
	DAF	●	●	●	●
	DAFLite	●			
	HexaLite	●			●
	Jet	●			
	Hexa	●	●	●	●
	EnduroLite	●	●		
	Enduro	●	●	●	●
	EnduroPro		●	●	●
	BlackBox	●	●		
	MiniUKM		●		●
	UKMS		●		●
	PS/PSH	●	●		●
	PSP		●		●
	MDP		●		●
	KMU		●	●	●

Category Name	Product	Building Technologies	Industry / OEM	Infrastructure	Maritime
PRODUCTS	OMK		●	●	●
	OMKV		●	●	●
	KME		●	●	●
	KMEV		●	●	●
	KYP		●		●
	SPLT		●	●	●
	CSV		●		●
	NME		●		●
	DP		●		●
	YKF		●		●
	ENM		●		●
	YPH	●	●	●	●
	YNM UL-FM	●	●	●	●
	YNM NFPA	●	●	●	●
	YPSP UL-FM	●	●	●	●
	YPSP NFPA	●	●	●	●
SPECIAL APPLICATIONS	Vacuamax		●	●	●
	ASP/VSP		●		●
	Mobile Fire Systems	●	●		●
	Container Type Fire	●	●		
	Extinguishing Systems				
ACCESSORIES	GenIO Smart Pump Drivers	●	●	●	●
	Frequency Pump Controller	●	●	●	●
	General Pump Controller	●	●	●	●
	Electric Fire Pump Controller	●	●	●	●
	Diesel Engine Fire Pump Controller	●	●	●	●

NM

End Suction Centrifugal Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design

- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24255 and EN 733 standards,
- A flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Flexible coupling on the pump motor connection mounted on the chassis,
- Easy maintenance through the pump construction structure,
- Rapid spare parts due to common parts design.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	5-3500 m ³ /h
Pump Head Range	5 - 145 m
Speed Range	1000 - 3600 rpm
Temperature Range	-25 - 140 °C

NMM

Monoblok Centrifugal Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design

- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24255 and EN 733 standards,
- A flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Plug-in motor shaft or flexible coupling in pump motor connection,
- Modular design that allows for simple assembly without the use of a pedestal,
- Easy maintenance through the back pull-out design,
- Rapid spare parts due to common part design.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	5 – 450 m ³ /h
Pump Head Range	5 – 110 m
Speed Range	1500 – 3600 rpm
Temperature Range	-25 – 120 °C

NMP

Monoblock Stainless Steel Centrifugal Pump



Fields of Application

- Water supply, water filtration and transport,
- Industrial Processes and machine manufacturers.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Plug-in motor shaft in pump motor connection,
- Modular design that allows for simple assembly without the use of a pedestal,
- Easy maintenance through the back pull-out design,
- Light and compact structure,
- Low sound level.

Standard Material Specification

Casing	AISI 316
Impeller	AISI 316
Shaft	AISI 316
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different seal options.

Technical Specifications

Flow Range	3 – 200 m ³ /h
Pump Head Range	10 – 70 m
Speed Range	3000 – 3600 rpm
Temperature Range	-20 – 100 °C

INM

Inline Centrifugal Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design

- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Single stage, suction-discharge flanges with the same diameter on the same axis,
- Plug-in motor shaft, using an adapter and flange in pump motor connection,
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	2 – 520 m ³ /h
Pump Head Range	2 – 105 m
Speed Range	1000 – 3600 rpm
Temperature Range	-25 – 120 °C

INM Duo

Inline Twin Type Circulation Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design

- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Single stage, twin-mount, suction-discharge flanges with the same diameter on the same axis,
- Plug-in motor shaft, using an adapter and flange in pump motor connection,
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	GG 25 (GJL- 250)
Impeller	GG 25 (GJL- 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	2x(2 – 320) m ³ /h
Pump Head Range	2 – 100 m
Speed Range	1000 – 3600 rpm
Temperature Range	-25 – 120 °C

INM GenIO

Inline Circulation Pump with Frequency Driver



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems,
- Industrial processes.

Design

- Dynamic impeller balanced to ISO 21940-11 standards,
- Single stage suction-discharge flanges on the same axis,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Easy mounting of the frequency inverter on the motor,
- Besides the compact structure of the inverter integrated into the system, its usage in smart applications,
- Plug-in motor shaft, using an adapter and flange in pump motor connection,
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	2 – 360 m ³ /h
Pump Head Range	2 – 105 m
Speed Range	1000 – 3600 rpm
Temperature Range	-25 – 120 °C

ModulA Blue

Wet-rotor Service Water Circulation Pump



Fields of Application

- The transfer of domestic hot water to residential and commercial buildings,
- Heating, cooling and air conditioning systems, and water transfers.

Design

- Conforming to Electromagnetic Compatibility (2014/30/EU) Regulation,
- Regulation in conformity with the European Directive on Ecodesign,
- High efficiency magnet motor technology,
- Self-learning smart technology,
- Variable comfort settings,
- Control types (Proportional pressure, constant pressure, constant speed),
- Legionnaire protection,
- including motor protection,
- Fault and operating message (adjustable),
- Silent operation,
- Automatic night mode (can be activated),
- Optional interface design,
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	Bronz
Impeller	PES
Sealing / Plain	Ceramic
Bearing Box	Crom - Nickel Steel

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	0 - 12 m ³ /h
Pump Head Range	2 - 10 m
EEI Value	0,19 ≥ - ≥ 0,23
Temperature Range	+15 - 85 °C

ModulA-D

Wet-rotor Twin Type Circulation Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems.

Design

- Conforming to Electromagnetic Compatibility (2014/30/EU) Regulation,
- Regulation in conformity with the European Directive on Ecodesign,
- High efficiency magnet motor technology,
- Variable comfort settings,
- External on and off mode (switchable),
- Fault and operating message (adjustable),
- Including heat insulation shell,
- Silent operation,
- Power limitation (enable / disable),
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	PES
Sealing / Plain	Ceramic
Bearing Box	Crom - Nickel Steel

Note: Consult our experienced sales team for different options.

Technical Specifications

Flow Range	0 - 72 m ³ /h
Pump Head Range	6 - 18 m
EEI Value	0,17 ≥ - ≥ 0,20
Temperature Range	+15 - 110 °C

ModulA Red

Wet-rotor Circulation Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- Heating, cooling and air conditioning systems.

Design

- Conforming to Electromagnetic Compatibility (2014/30/EU) Regulation,
- Regulation in conformity with the European Directive on Ecodesign,
- High efficiency magnet motor technology,
- Variable comfort settings,
- External on and off mode (switchable),
- Fault and operating message (adjustable),
- Including heat insulation shell,
- Silent operation,
- Power limitation (enable / disable),
- Easy maintenance through the pump construction structure.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	PES
Sealing / Plain	Ceramic
Bearing Box	Crom - Nickel Steel

Note: Consult our experienced sales team for different options.

Technical Specifications

Flow Range	0 - 75 m ³ /h
Pump Head Range	6 - 18 m
EEI Value	0,17 ≥ - ≥ 0,20
Temperature Range	+15 - 110 °C

MiniDAF

Domestic Booster Set



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Comfort package system comprised of a Horizontal Multistage Pump, an expansion tank, a control panel, and accessories,
- Clockwise rotation of the pump when viewed from the motor side,
- Front pump inlet, top pump outlet,
- Thermal protection box in monophase models,
- Silent operation,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards,
- Protected against operation without water,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge	AISI 304
Casing	
Impeller	NORLY
Shaft	AISI 430 F
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 - 10 m ³ /h
Pump Head Range	15 - 70 m
Speed Range	3000 rpm
Temperature Range	0 - 40 °C

MiniHexa

Domestic Stainless Steel Booster Set



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Comfort package system that includes a Horizontal
- Multistage Pump, an expansion tank, a control panel, and accessories,
- Clockwise rotation of the pump when viewed from the motor side,
- Front pump inlet, top pump outlet,
- Thermal protection box in monophase models,
- Silent operation,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards,
- Protected against operation without water,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge	AISI 304
Casing	
Impeller	AISI 304
Shaft	AISI 304
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 – 7 m ³ /h
Pump Head Range	20 – 80 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

MiniJet

Self Priming Domestic Booster Set



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Comfort package system that includes a Horizontal Single Stage Self-Priming Pump, an expansion tank, a control panel, and accessories,
- Suction lift up to 8 meters,
- Clockwise rotation of the pump when viewed from the motor side,
- Front pump inlet, top pump outlet,
- Thermal protection box in monophase models,
- Silent operation,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards,
- Protected against operation without water,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge	AISI 304
Casing	
Impeller	AISI 304
Material	AISI 304
Sealing	Mechanical Seal

Technical Specifications

Flow Range	0,5 – 3 m ³ /h
Pump Head Range	15 – 45 m
Speed Range	3000 rpm
Temperature Range	0 – 40 °C

DSP

Domestic Monophaze Booster Set



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Package system comprised of a Monophase Vertical Multistage Pump, an expansion tank, a control panel, and accessories,
- Bottom pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Advantageous maintenance with its coupling type structure,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards.

Standard Material Specification

Suction-Discharge Casing	GG 25 (GJL - 250)
Impeller	NORLY
Shaft	AISI 430 F
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 – 4 m ³ /h
Pump Head Range	20 – 75 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

SuperDAF

Domestic Booster Set



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Package system comprised of a Three-phase Vertical Multistage Pump, an expansion tank, a control panel, and accessories,
- Bottom pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Advantageous maintenance with its coupling type structure,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards.

Standard Material Specification

Suction-Discharge Casing	GG 25 (GJL - 250)
Impeller	NORLY
Shaft	AISI 430 F
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 – 4 m ³ /h
Pump Head Range	20 – 75 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

MultiDAF

Booster Set



Fields of Application

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Landscape irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- System comprised of a Vertical Multistage Pump, control panel, chassis, collector and accessories,
- Connection of the pump and motor that providing via adapter and coupling,
- Bottom pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Expansion tank that emits no odour and forms no bacteria into the water, as required by German hygiene standards,
- High resistance against operation without water,
- Stainless steel of the stage in 3000, 6000, 9000 series,
- High quality nonyl material for the inner structure,
- Hexagonal spindles in the 3000, 6000, and 9000 series,
- Panel with equal aging and switch number protection.

Standard Material Specification

Suction-Discharge Casing	GG 25 (GJL - 250)
Impeller	NORYL
Shaft	AISI 430 F
Sealing	Mechanical Seal

Technical Specifications

Flow Range	4x(2 – 60) m ³ /h
Pump Head Range	20 – 150 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

MultiHexa

High-Pressure Stainless Steel Booster Set



Fields of Application

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Agricultural irrigation.

Design

- Conforming to EN, EU and ISO directives,
- Vertical Multistage Stainless Pump, and a control panel,
- System comprised of a chassis, a collector and accessories,
- Pump inlets and outlets that are on the same axis,
- Pumps that are protected against dry operation, out-of-phase operating, and overloading,
- Clockwise rotation of the pump when viewed from the motor side,
- High resistance against operation without water,
- Panel with equal aging and switch number protection.

Standard Material Specification

Suction-Discharge Casing	GG25 / AISI 304
Impeller	AISI 304
Shaft	AISI 304
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	6x(1 – 180) m ³ /h
Pump Head Range	10 – 290 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

MultiHexa GenIO

High-Pressure Stainless Steel Booster Set with Frequency Driver



Fields of Application

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Fire extinguishing systems,
- Agricultural irrigation.

Design

- Conforming to EN, EU and ISO directives,
- System comprised of a Vertical Multistage Stainless Pump, on-motor inverter, a chassis, a collector and accessories,
- Easy mounting of the frequency inverter on the motor,
- Besides the compact structure of the inverter integrated into the system, its usage in smart applications,
- Pump inlets and outlets that are on the same axis,
- Pumps that are protected against dry operation, out-of-phase operating, and overloading,
- Clockwise rotation of the pump when viewed from the motor side, High resistance against operation without water,
- Panel with equal aging and switch number protection.

Standard Material Specification

Suction-Discharge Casing	GG25 / AISI 304
Impeller	AISI 304
Shaft	AISI 304
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	6x(1 – 120) m ³ /h
Pump Head Range	10 – 170 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

Expansion Tanks



Fields of Application

- Heating, cooling and air conditioning systems,
- Filling circuits of boilers or tanks.

Design

- Replaceable EPDM membrane that emits no odour and forms no bacteria into the water, as required by German hygiene standards,
- Oven-dried outer surfaces of the tanks with electrostatic powder paint against corrosion.
- Conforming to TSE and CE directives.

Technical Specifications

Capacity Range	25 – 5000 lt
Pressure Range	6 – 25 bars
Pre-Gas Pressure	1,5 – 5 bars
Max. Fluid Temperature	Max. 110 °C
Pressurizing Gas	Dry Air / Nitrogen

DAF

Vertical Multistage Centrifugal Pump



Fields of Application

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Fire extinguishing systems,
- Agricultural irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Connection of the pump and motor that providing via adapter and coupling,
- Bottom pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Stainless steel of the stage in 3000, 6000, 9000 series,
- High quality noryl material for the inner structure,
- Hexagonal spindles in the DAF 3000, 6000, and 9000 series.

Standard Material Specification

Suction-Discharge Casing	GG 25 (GJL- 250)
Impeller	NORYL
Shaft	AISI 430 F
Sealing	Mechanical Seal

Technical Specifications

Flow Range	2 – 60 m ³ /h
Pump Head Range	20 – 150 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

DAFLite

Horizontal Type Multistage Centrifugal Pump



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Front pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Silent operation,
- A drain outlet that prevents water from infiltrating the motor windings,
- Additional sealing protection,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge Casing	AISI 304
Impeller	NORLY
Shaft	AISI 430 F
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 – 10 m ³ /h
Pump Head Range	15 – 70 m
Speed Range	3000 rpm
Temperature Range	0 – 40 °C

HexaLite

Horizontal Type Multistage Stainless Steel Centrifugal Pump



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Garden irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Front pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Silent operation,
- A drain outlet that prevents water from infiltrating the motor windings,
- Additional sealing protection,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge Casing	AISI 304
Impeller	AISI 304
Shaft	AISI 304
Sealing	Mechanical Seal
Pump Shield	AISI 304

Technical Specifications

Flow Range	1 – 7 m ³ /h
Pump Head Range	25 – 100 m
Speed Range	3000 rpm
Temperature Range	0 – 40 °C

Jet

Horizontal Type Self-Priming Centrifugal Pump



Fields of Application

- Drinking water supply and distribution networks,
- Water pressurization in domestic and commercial buildings,
- Landscape irrigation.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Front pump inlet, top pump outlet,
- Clockwise rotation of the pump when viewed from the motor side,
- Suction lift up to 8 meters,
- Silent operation,
- A drain outlet that prevents water from infiltrating the motor windings,
- Additional sealing protection,
- Three-phase and monophase motor options.

Standard Material Specification

Suction-Discharge Casing	AISI 304
Impeller	AISI 304
Shaft	AISI 304
Sealing	Mechanical Seal

Technical Specifications

Flow Range	0,5 – 3 m ³ /h
Pump Head Range	15 – 45 m
Speed Range	3000 rpm
Temperature Range	0 – 40 °C

Hexa

Vertical Multistage Stainless Steel Centrifugal Pump



Fields of Application

- Pressurized water supply systems in residential and commercial buildings,
- The supply of process water in industrial facilities,
- Heating systems,
- Reverse Osmosis systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Connection of the pump and motor that providing via adapter and coupling,
- Pump inlets and outlets that are on the same axis,
- Pumps that are protected against dry operation, out-of-phase operating, and overloading via smart controller.

Standard Material Specification

Suction-Discharge Casing GG 25 / AISI 304

Impeller AISI 304

Shaft AISI 304

Sealing Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range 1 – 180 m³/h

Pump Head Range 10 – 290 m

Speed Range 3000 – 3600 rpm

Temperature Range -15 – 120 °C

EnduroLite

Domestic Submersible Pump



Fields of Application

- The transfer of domestic and industrial surface waters and fluids with no excessive particulates,
- Drainage applications,
- Fluids without fibrous particulates and other applications.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Single-phase and monophase motor option with IP 68 protection class,
- Thermal protection in monophase models against overheating.

Standard Material Specification

Casing PPH / AISI 304 Inox

Impeller Noryl / AISI 304 Inox

Shaft AISI 304 Inox

Sealing Mechanical Seal

Technical Specifications

Flow Range 1 – 20 m³/h

Pump Head Range 3 – 18 m

Speed Range 3000 rpm

Temperature Range 0 – 30 °C

Enduro

Submersible Wastewater Pump



Fields of Application

- The transfer of domestic and industrial crude sewage wastes, and fluids with sludge and particulates,
- Treatment plants,
- Fluids with fibrous particulates and other applications.

Design

- Conforming to EN, EUP, EU and ISO directives,
- 3 different impeller structures,
- Anti-leakage helical stuffing box,
- Leak prevention with water leakage electrode,
- Thermistor against overheating,
- Use of special H07RN-F cable in accordance with TS EN 50525-2-21 standard, with core colours confirming to HD 308, EI4 Type (EPR) cable.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	5 – 1600 m ³ /h
Pump Head Range	5 – 50 m
Speed Range	1500 – 3600 rpm
Temperature Range	0 – 40 °C

EnduroPro

Surface Type Sewage and Wastewater Pumps



Fields of Application

- The transfer of sewage water to residential and commercial buildings,
- Water treatment plants,
- The transfer of sludge, fluids with fibre and particulates in industrial facilities,
- Flood and flood water transfer, (Active sludge),
- Vertical and horizontal mounting options.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Specific impeller applications,
- Different material options,
- Back – pull out feature.

Standard Material Specification

Casing	GG 25 (GJL- 250)
Impeller	GG 25 (GJL- 250)
Shaft	AISI 420 (X20 Cr13)
Wear Ring	AISI 304 / 316
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options.

Technical Specifications

Flow Range	6 – 2100 m ³ /h
Pump Head Range	10 – 45 m
Speed Range	1000 - 3600 rpm
Temperature Range	-25 – 140 °C

BlackBox

Wastewater Lifting Station



Fields of Application

- The transfer of domestic and industrial surface wastewater and sewage,
- Fluids with fibrous particulates and other applications.

Design

- Tank volumes are of two types, 500 and 1000 liters.
- Thanks to the special cover on the tank, it prevents the odor from leaking out.
- With our Enduro series submersible pumps, the wastewater accumulated in the tank is discharged as soon as possible.
- Thanks to the collective check-valve in the pump's discharge line, the discharged waste water is prevented from returning to the tank. Thus, operating loss is reduced, and an advantage is created for electricity consumption and the operating life of the pump.
- A pear-type level floater with a 5 meter cable is supplied with the pumps.

Technical Specifications

Flow Range	5 – 420 m ³ /h
Pump Head Range	5 – 50 m
Speed Range	1500 – 3000 rpm
Temperature Range	0 – 40 °C

MiniUKM

Self-Priming Surface Water Pump



Fields of Application

- The discharge of domestic and industrial drainage fluids,
- All kinds of drainage and discharge operations.

Design

- Compact design,
- Specific impeller structure that provides self-priming,
- Easy assembly and disassembly,
- Lock lever that requires no further installation.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Technical Specifications

Flow Range	5 – 45 m ³ /h
Pump head Range	10 – 40 m
Speed Range	3000 – 3600 rpm
Temperature Range	0 – 60 °C

UKMS

Self-Priming Waste Water Pump



Fields of Application

- The discharge of domestic and industrial crude sewage fluids,
- Sewage treatment plants,
- The discharge of industrial waste waters with sludge and particulates,
- All kinds of drainage and discharge operations.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Lock lever that requires no further installation.
- Diesel and electric motor options,
- Particulate permeability up to 76 mm (3"),
- Ease of maintenance through the suction cover,
- Possibility of maintenance without disconnecting from the installation.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Technical Specifications

Flow Range	50 – 730 m ³ /h
Pump Head Range	4 – 40 m
Speed Range	650 – 2900 rpm
Temperature Range	0 – 60 °C

PS/PSH

Wastewater Sump Pump



Fields of Application

- The transfer of sewage water to residential and commercial buildings,
- The supply of drainage water, waste water, viscous fluid with particulates in industrial facilities,
- Sewage treatment plants.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Having special bedding system,
- Having fluid end in the fluid,
- Filter structure,
- Special coupling,
- Electric motor use under IEC, DIN, VDE and TSE standards,
- Maintenance-free modular design.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Filter	St 37/42
Impeller	GG 25 (GJL - 250)
Shaft	C - 45
Seating Plate	GG 25 (GJL - 250)

Technical Specifications

Flow Range	4,5 – 25 m ³ /h
Pump Head Range	4 – 19 m
Speed Range	1500 rpm
Temperature Range	0 – 60 °C

PSP

Vertical Shaft Chemical Waste Pump



Fields of Application

- Waste water and discharge operations in industrial facilities,
- The transfer of corrosive process fluids in industrial plants.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Having open or vortex impeller,
- Impeller structure, balanced to ISO 21940-11 standards,
- Filter structure that prevents the access of particulates,
- Maximum hydraulic performance,
- Gear connection that allows the movement of the discharge pipe,
- Casing and bearing stabilizer,
- Additional sealing protection.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Filter	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	C - 45
Seating Plate	GG 25 (GJL - 250)

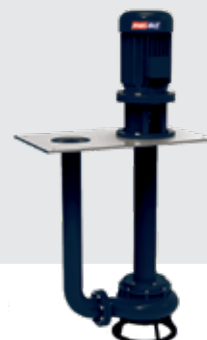
Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	3 – 80 m³/h
Pump Head Range	15 – 50 m
Speed Range	1000 – 3600 rpm
Temperature Range	-15 – 90 °C

MDP

Column Sump Pump



Fields of Application

- The transfer of clean water, waste water, oil, emulsion in industrial facilities,
- The transfer of sludge, fluids with fibre and particulates in industrial facilities.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Easy maintenance through the pump construction structure,
- Rapid spare parts due to common part design.

Standard Material Specification

Suction-Discharge	GG 25 (GJL - 250)
Casing Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Range	10 – 210 m³/h
Pump head Range Speed	4 – 65 m
Range	1500 rpm
Temperature Range	0 – 90 °C

KMU

Horizontal Shaft Multistage Centrifugal Pump



Fields of Application

- High pressure water supply systems at small-scale flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Ball bearing use,
- Wear ring option,
- Flexible coupling use,
- Design suitable for different assembly alternatives,
- Different option for rotation direction,
- Advantage of use in narrow spaces.

Standard Material Specification

Casing (Suction - Discharge)	GG 25 (GJL - 250)
Impeller	AISI 304
Stage Casing	GG 25 (GJL - 250)
Last Stage Diffuser	GG 25(GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	1 – 16 m ³ /h
Pump Head Range	20 – 200 m
Speed Range	3000 – 3600 rpm
Temperature Range	0 – 110 °C

OMK

Horizontal Shaft Multistage Centrifugal Pump



Fields of Application

- High pressure water supply systems at medium-scale flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Ball bearing use,
- Wear ring option,
- Flexible coupling use,
- Design suitable for different assembly alternatives,
- Different option for rotation direction,
- Ease of maintenance.

Standard Material Specification

Casing (Suction - Discharge)	GG 25(GJL - 250)
Impeller	GG 25 (GJL - 250)
Stage Casing	GG 25(GJL - 250)
Last Stage Diffuser	GG 25(GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	5 – 180 m ³ /h
Pump Head Range	30 – 400 m
Speed Range	1500 – 3600 rpm
Temperature Range	0 – 110 °C

OMKV

Vertical Type High Pressure Multistage Centrifugal Pump



Fields of Application

- High pressure water supply systems at medium-scale flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Ball bearing use,
- Wear ring option,
- Flexible coupling use,
- Design suitable for different assembly alternatives,
- Advantage of use in narrow spaces.

Standard Material Specification

Casing (Suction - Discharge)	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Stage Casing	GG 25 (GJL - 250)
Last Stage Diffuser	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	5 – 180 m³/h
Pump Head Range	30 – 400 m
Speed Range	1500 – 3600 rpm
Temperature Range	0 – 110 °C

KME

Horizontal Type High Pressure Multistage Centrifugal Pump



Fields of Application

- High pressure water supply systems at high flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Balancing with wear rings and balancing holes,
- Design suitable for different assembly alternatives,
- Different option for rotation direction,
- Flexible coupling connection.

Standard Material Specification

Casing (Suction - Discharge)	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Stage Casing	GG 25 (GJL - 250)
Diffuser	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	30 – 800 m³/h
Pump Head Range	30 – 480 m
Speed Range	1500 rpm
Temperature Range	0 – 110 °C

KMEV

Vertical Type High Pressure Multistage Centrifugal Pump



Fields of Application

- High pressure water supply systems at high flow rates in residential and commercial buildings,
- Water distribution and high-pressure water supply systems in industrial facilities,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Balancing with wear rings and balancing holes,
- Design suitable for different assembly alternatives,
- Advantage of use in narrow spaces.

Standard Material Specification

Casing (Suction - Discharge)	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Stage Casing	GG 25 (GJL - 250)
Diffuser	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	30 – 300 m ³ /h
Pump Head Range	20 – 190 m
Speed Range	1500 – 1800 rpm
Temperature Range	0 – 110 °C

KYP

Thermal Oil Pump



Fields of Application

- Transfer of heat transfer oil in industrial plants.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Closed impeller,
- Radial blades,
- Flexible coupling connection,
- Ease of maintenance,
- Design that requires no external cooling.

Standard Material Specification

Casing	GGG 40
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing + Mechanical Seal

Technical Specifications

Flow Range	10 – 400 m ³ /h
Pump Head Range	5 – 113 m
Speed Range	1500 – 3600 rpm
Temperature Range	Up to 300 °C

SPLT

Double Suction Split Case Centrifugal Pump



Fields of Application

- Water supply systems in residential and commercial buildings,
- The transfer of fluids in industrial plants.
- Treatment plants,
- Power plants,
- Agricultural irrigation systems.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Inlet and outlet flanges are on the same axis,
- Versatile casing design,
- Different motor drive options,
- Low NPSH and high efficiency,
- Long-lasting bedding,
- Easy maintenance.

Standard Material Specification

Casing (Suction - Discharge)	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	30 – 4500 m ³ /h
Pump Head Range	15 – 180 m
Speed Range	1000 – 3600 rpm
Temperature Range	0 – 110 °C

CSV

Double Suction In-Line Centrifugal Pump



Fields of Application

- The transfer of domestic and industrial clean waters and fluids with no excessive particulates,
- General service water.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Two self lubricated ball bearings,
- Sealing that is provided by mechanical seal,
- Low NPSH,
- High efficiency,
- Option for use with frequency control devices with electric motor at IEC, DIN, VDE and TSE standards,
- Operational safety and ease of maintenance.

Standard Material Specification

Casing	GG 25 (GJL -250)
Impeller	GG 25 (GJL -250)
Shaft	AISI 420 (X20 Cr13)
Wear Ring	Bronze
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	400 – 2200 m ³ /h
Pump Head Range	10 – 60 m
Speed Range	750 –1800 rpm
Temperature Range	-15 – 90 °C

NME

Heavy Duty Chemical Process Pump



Fields of Application

- The transfer of heavy-duty fluids in industrial plants,
- The transfer of high viscosity fluids in industrial plants.
- Power plants,
- General service applications.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24256 and ISO 2858 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Regulation in conformity with the European Directive on Ecodesign,
- Flexible coupling use and extended coupling application,
- Easy maintenance through the pump construction structure,
- Rapid spare parts due to common part design.
- Fluid lubricated bearing housing use.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	GG 25 (GJL - 250)
Sealing	AISI 420 (X20 Cr13)
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	3 – 3500 m ³ /h
Pump Head Range	5 – 210 m
Speed Range	1500 – 3000 rpm
Temperature Range	20 – 350 °C

DP

Gear Pump



Fields of Application

- Transfer of high viscosity clean fluids,
- In fuel refill, diesel and fuel-oil stations.

Design

- Conforming to EN, EUP, EU and ISO directives,
- The "gear-in-gear" principle,
- Application of fluid with a low viscosity, up to fuel-oil and No. 6,
- Inner gear type,
- Additional sealing measures,
- High efficiency, operational safety,
- Ease of maintenance.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Gear	GTW
Shaft	AISI 420 (X20 Cr13)

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	1 – 10 m ³ /h
Pump Head Range	30 – 90 m
Speed Range	1000 – 1500 rpm
Temperature Range	-20 – 140 °C

YKF

Gear Pump



Fields of Application

- Small-scale hot oil circulation,
- The transfer of semi-viscous fluid in industrial facilities.

Design

- The "gear-in-gear" principle,
- Specially designed connection as well as motor usage option,
- Having positive displacement,
- The use of different sealing elements,
- Possibility to use up to 75,000 SSU viscosity.

Standard Material Specification

Casing, Cover	GG25 veya GGG40
Gear - Rotor	Heat Treated Steel
Shaft	Heat Treated Steel
Bearings	Bronze or Graphite by Fluid
Sealing	Mechanical Seal

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	1 – 200 m ³ /h
Pump Head Range	30 – 90 m
Speed Range	1500 rpm
Temperature Range	0 – 200 °C

ENM

Fi-Fi System Pump



Fields of Application

- Fi-Fi (Fire Fighter) system trailers,
- Fresh and sea water discharge on vessels,
- Large fire extinguishing systems,
- Industrial plants and commercial buildings.

Design

- Conforming to EN, EUP, EU and ISO directives,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flanges that conform to DIN 2535,
- Symmetrical scroll structure,
- Different option for rotation direction,
- Double-pitched impeller,
- Rigid shaft that can operate at different loads,
- Water lubricated plain bearing,
- Compact structure,
- Different ball bearing options,
- Easy maintenance.

Standard Material Specification

Casing	GGG 40
Impeller	GGG 40
Shaft	AISI 420 (X20 Cr13)
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	400 – 4000 m ³ /h
Pump Head Range	60 – 150 m
Speed Range	1000 – 1800 rpm
Temperature Range	-20 – 110 °C

YPH

Inline Type Centrifugal Fire Pump



Fields of Application

- Small and medium-sized fire extinguishing systems in residential and commercial buildings,
- Small and medium-sized fire extinguishing systems in industrial facilities.

Design

- Pump design that conforms to the NFPA 20 standards,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Plug-in motor shaft, using an adapter and flange in pump motor connection,
- Easy maintenance through the pump construction structure,
- Electric motor application.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	Bronze
Sealing	AISI 316
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	20 – 260 m ³ /h
Pump Head Range	50 – 115 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

YNM UL-FM



End Suction Centrifugal Fire Pump



Fields of Application

- Medium-sized fire extinguishing systems in residential and commercial buildings,
- Medium-sized fire extinguishing systems in industrial facilities.

Design

- Conforming to UL 448 and FM 1319 standards,
- Flange structure that conforms to ANSI/ASME B16.1 Class 250,
- Electric motor that conforms to UL 1004-5, Use of diesel motor that conform to UL 1247/ FM 1333,
- Use of control panel that conform to UL 218 and FM 1321 / FM 1323,
- Easy maintenance.

Standard Material Specification

Casin	GG 26
Impeller	Bronze
Shaft	AISI 316
Sealing	Soft Packing

Note: Certification requires the material properties to be standard.

Technical Specifications

Flow Range	11 – 284 m ³ /h
Pump Head Range	59 – 109 m
Speed Range	3000 rpm
Temperature Range	0 – 60 °C

YNM NFPA

End Suction Centrifugal Fire Pump



Fields of Application

- Medium-sized fire extinguishing systems in residential and commercial buildings,
- Medium-sized fire extinguishing systems in industrial facilities.

Design

- Pump design that conforms to NFPA 20 standards,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Conforming to DIN 24255 and EN 733 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Flexible coupling on the pump motor connection mounted on the chassis,
- Different types of motor options (electric / diesel), Easy maintenance.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	Bronze
Shaft	AISI 316
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	11 – 227 m ³ /h
Pump Head Range	30 – 140 m
Speed Range	3000 – 3600 rpm
Temperature Range	0 – 60 °C

YPSP UL-FM

Double Suction Split Case Centrifugal Fire Pump



Fields of Application

- Medium and large-sized fire extinguishing systems in residential and commercial buildings,
- Medium and large-sized fire extinguishing systems in industrial facilities.

Design

- Conforming to UL 448 and FM 1311 standards,
- Flange structure that conforms to ANSI/ASME B16.1 Class 250,
- Electric motor that conforms to UL 1004-5, Use of diesel motor that conform to UL 1247/ FM 1333,
- Use of control panel that conform to UL 218 and FM 1321 / FM 1323,
- Easy maintenance.

Standard Material Specification

Casing	GG 26
Impeller	Bronze
Shaft	AISI 316
Sealing	Soft Packing

Note: Certification requires the material properties to be standard.

Technical Specifications

Flow Range	23 – 454 m ³ /h
Pump Head Range	44 – 188 m
Speed Range	1800 – 3000 rpm
Temperature Range	0 – 60 °C

Note: FM Approved certification is available for flow rates of up to 1000 GPM and head capacities of 11.6 bar.

YPSP NFPA

Double Suction Split Case Centrifugal Fire Pump



Fields of Application

- Medium and large-sized fire extinguishing systems in residential and commercial buildings,
- Medium and large-sized fire extinguishing systems in industrial facilities.

Design

- Pump design that conforms to NFPA 20 standards,
- Dynamic impeller balanced to ISO 21940-11 standards,
- Flange that conforms to EN 1092-2 and DIN 2533 standards,
- Versatile casing design,
- Low NPSH and high efficiency,
- Different types of motor options (electric / diesel),
- Easy maintenance.

Standard Material Specification

Casing	GG 25 (GJL - 250)
Impeller	Bronze
Shaft	AISI 316
Sealing	Soft Packing

Note: Consult our experienced sales team for different material options..

Technical Specifications

Flow Range	50 – 1800 m ³ /h
Pump Head Range	20 – 185 m
Speed Range	1500 – 3600 rpm
Temperature Range	0 – 60 °C

Vacuumax

Self Priming, Diesel Engine Flood Water and Wastewater Drainage Pump



Fields of Application

- Water discharge and drainage operations in construction sites,
- Water discharge and drainage operations in mining sites,
- Wastewater management in industrial applications,
- Emergency response operations in flood situation,
- By-Pass operations of sewer lines,
- Agricultural irrigation operations.

Design

- Diesel engine driven self-priming emergency intervention unit for flood water and wastewater drainage operations with just cabin, mobile and cabin and trailer mounting options.
- The durable cabin, which provides protection against external factors, provides uninterrupted operation even in harsh weather and climate conditions.
- It is suitable for use in different areas thanks to its easy portability. If desired, it provides mobile use with a trailer that is compatible with highway regulations and traffic.
- It provides measurement and monitoring of many parameters with its advanced control unit with LCD screen.
- With LED lighting panels, the product can be operated at night and its visibility is ensured with the warning lamp.
- It provides rapid suction from the water level without the need for any additional equipment.
- Optimized for long-term operations, it provides maximum efficiency with low fuel consumption.

Technical Specifications

Flow Range	Up to 1800 m ³ /h
Pump Head Range	Up to 40 m
Speed Range	Up to 2200 rpm
Free Passage	Up to 100 mm

ASP/VSP

Automatic Self-Priming System



Fields of Application

- Fluids with no particulates,
- Systems that are not suitable for dry operation,
- Fluids with gases.

Design

- MAS-ASP is an automatic suction system with ejector working with compressed air. It is designed for installations that require suction on the first move. It provides guaranteed and safe suction. If for whatever reason the suction is interrupted, the vacuum ejector engages and restores suction.
- Polyethylene ejector elements are physically and chemically resistant to a wide variety of fluids, including sea water.
- MAS-VSP is an automatic suction system that operates through a water ring vacuum pump. It is designed for installations that require suction on the first move. It provides guaranteed and safe suction.
- If for whatever reason the suction is interrupted, the vacuum pump engages and restores suction. Bronze is used to fabricate the pump parts.

Technical Specifications

Operating Voltage	24 V - 50/60 Hz.
Protection Class	IP 54
Motor Power	1.5 Kw
Level Relay Power	Max. 100 VA
Nominal Pressure	PN 10
Suction Capacity	300 nl/min.
Max. Suction Depth	6 m
Service Water Tank	4 Lt.

Mobile Fire Systems

Mobile Fire System



Fields of Application

- It is practical and simple to install in locations where mobility and a quick-fire extinguishing solution are required. It provides effective solutions for fire extinguishing operations in a variety of industries, including industrial plants, mining, agriculture, energy, and building systems, while also being simple to assemble and maintain.
- It can be installed quickly and can respond immediately to fire hazards.
- Customer-specific designs are created to accommodate a variety of conditions and needs.
- It maintains consistent and efficient operating qualities over an extended period of time.
- Portable fire extinguishing systems are applicable to all fire group pumps (such as YNM, YPSP and YPH series).
- It features solid tyre or rim wheel with a load index suitable for traffic, signal device that can be operated remotely from the towing vehicle for the safety of right-left turns, as well as options for vibration dampers, shock absorbers, or scissors while driving.
- It enables the use of more than one pump in order to satisfy the requirements for changing demands.
- Trailers at international standards can be manufactured.
- It may be designed with a cabin if desired.
- Thus, its shielded architecture offers a significant benefit in circumstances where the system cannot be installed inside a building.
- When the container system is employed, it shields the pump inside from the adverse impacts of the surrounding environment and inhibits pump noise from being transmitted to the surrounding environment.
- Our trailer and cabin designs incorporate equipment that is readily transportable by truck, lorry, train, ship, or aircraft, as well as liftable by a crane.

Container Type Fire Fighting System

Container Type Fire Extinguishing System



Fields of Application

- Container fire extinguishing systems are applicable to all fire group pumps (such as YNM, YPSP and YPH series).
- It brings effective solutions for fire extinguishing operations in a variety of industries, including industrial plants, mining, agriculture, energy, and building systems, while also being simple to assemble and maintain.
- It brings significant advantages, particularly when pumps cannot be installed in places, such as archeological sites, i.e., within a building where desired.
- Container system shields the pump inside from the adverse impacts of the surrounding environment and isolates the pump noise from being transmitted to the surrounding environment.
- It enables the use of more than one pump in order to satisfy the requirements for changing demands.
- Containers at international standards can be manufactured.
- Especially our pumps with container cabin system incorporate equipment that is readily transportable by truck, lorry, train, ship, or aircraft, as well as liftable by a crane.

General Use Panels

General Use Panel



Technical Specifications

Display and Processor

- 128x64 Graphic LCD Display,
- 32-bit ARM-based microprocessor,
- 84 MHz processor operating frequency,
- Date/time display on the main screen,
- Display of pump statuses, phase values (L1-L2-L3), and auto/manual mode.

Control and Protection

- Dedicated Start/Stop button for each pump,
- Programmable automatic test (7 days a week),
- Solenoid valve output,
- Phase sequence control and phase-neutral measurement,
- Voltage protection (adjustable Min-Max values),
- Stops operation after three failed attempts due to current fault,
- Monitoring of pump currents with adjustable Min-Max values,
- PTC protection for all pumps,
- Leakage detection for wastewater systems,
- Adjustable equal aging time,
- Configurable switching count protection via menu,
- Dry-run protection using float switch and electrode,
- Monitoring of pump operating times,
- 4-20mA transmitter support (10 bar, 16 bar, 25 bar options),
- Display of pressure values on the screen (for transmitter-based systems),
- Adjustable default pressure values according to pump requirements,
- Configurable low-pressure warning threshold,
- Operation via pressure switch.

Error Management and Warnings

- Real-time error notifications on the display,
- Viewing of the last 20 errors on the screen,
- Logging of the last 500 events with date/time details,
- Audible warning via buzzer,
- Fault relay and fault LED indicator,
- Pump operation LED indicator,
- Password protection to restrict unauthorized access,
- Maintenance schedule with advance warning notifications,
- Error data storage with USB export functionality,
- MODBUS communication support.

Frequency Controlled Panels

Frequency Controlled Panel



Technical Specifications

Display and Monitoring Features

- 7" HMI screen option,
- Date and time display.

Control and Safety Features

- Sleep mode in case of no flow,
- Phase loss detection,
- Phase sequence control,
- Operation permission control,
- No-water indicator light,
- Power indicator light,
- Drive fault indicator light,
- Pump fault indicator light,
- Pump operation indicator light,
- Lockable main switch,
- Thermal and magnetic protection.

Pump and Drive Control Features

- PID parameters adjustable to system requirements,
- Supports 4-20mA or 0-10V sensor inputs,
- Additional pump control parameters,
- Pump enable/disable selector switch,
- Auto/manual mode selector switch,
- Multi-pump control with a single drive,
- Individual drive control for each pump,
- Monitoring of individual pump operation time.

Compatibility and Software Features

- PLC and HMI software revisions based on requirements,
- Adaptable to desired PLC and HMI models.

GenIO

GenIO Smart Pump Driver



Fields of Application

- Compatible with asynchronous motor & PMSM motor
- Power Range: 0.75 - 18.5 kW
- Input Voltage: 380 V
- Input Frequency: 50-60 Hz
- Output Frequency: 0-600 Hz
- Acceleration/Deceleration time: 0.1-800s
- Protection Class: IP 54
- Advanced PID calculation (close loop control)
- Instantaneous pressure value, frequency, current value, motor speed, output voltage, output power, analog values from sensors and set pressure value can be read on the graphic LCD screen.
- 3 programmable digital inputs and programmable relay outputs are available.
- 2 pressure transmitter inputs
- When one of the transmitters fails, the other one can be activated.
- 5-10-24 V analog power supply terminal
- 0-10 V input voltage range 4-20 mA output
- 4-20 mA output with 10 V operating voltage
- Mod-Bus communication protocol is available.
- Provides 24 V power for external devices
- System set pressure to be kept constant can be easily adjusted
- Output voltage drops automatically at light load for saving energy
- Water leak detection, high and low pressure warning control
- Antifreeze operation selection
- Adjustable frequency and time period
- Storage temperature: -40°C ~ +70°C
- Suitable for 1000 m altitude (1% loss per 100 m above 1000 m)

Electronic Fire Panel

Electronic Fire Panel



Technical Specifications

Display and Processor

- 128x64 Graphic LCD Display,
- 32-bit ARM-based microprocessor,
- 84 MHz processor speed,
- Membrane label interface,
- Date/time display on the main screen,
- Pump status display on the main screen,
- Phase values (L1-L2-L3) display on the main screen,
- Auto/manual mode status display,
- Dedicated Start/Stop button for each pump,
- Solenoid valve output.

Control and Protection

- Programmable automatic test (7 days a week),
- Phase measurement (phase-to-neutral),
- Phase sequence control,
- Voltage protection (adjustable Min-Max values),
- Enable/disable voltage protection,
- Individual measurement of three-phase pump currents,
- Adjustable Min-Max pump current values,
- Dry-run protection using a float switch,
- Enable/disable dry-run protection,
- Monitoring of pump operating times,
- 4-20mA transmitter support (10 bar, 16 bar, 25 bar options),
- Display of pressure values (for transmitter-based systems),
- Adjustable default pressure values according to pump requirements,
- Operation via pressure switch,
- Remote start capability,
- Adjustable pump shutdown delay.

Error Management and Warnings

- Real-time error notifications on the display,
- Viewing of the last 20 errors on the screen,
- Logging of the last 500 events with date/time details,
- Audible warning via buzzer,
- Fault relay and fault LED indicator.

Additional Monitoring and Alerts

- Phase failure dry contact relay output,
- Automatic test active dry contact relay output,
- Suction and discharge valve monitoring and warning,
- Generator active status monitoring and warning,
- Emergency start lever monitoring and warning,
- Pump operation LED indicator,
- Password protection to restrict unauthorized access,
- Maintenance schedule with advance warning notifications,
- Error data storage with USB export functionality,
- MODBUS communication support.

Diesel Fire Panel

Diesel Fire Panel



Technical Specifications

General Features

- 128x80 pixel Graphic LCD Display,
- User-friendly function keys,
- Lockable main switch,
- Single or dual battery system option,
- LED indicators for operating status and fault information (operation, fault, battery, and starter LEDs).

Measurement and Monitoring

- Diesel engine RPM measurement and display,
- Battery voltage measurement and display,
- Ambient temperature measurement and display,
- Engine temperature measurement and display,
- Fuel level measurement and display,
- Oil pressure measurement and display,
- Engine statistics monitoring,
- Battery voltage and system data monitoring via the screen.

Control and Safety

- Adjustable automatic shutdown delay,
- Adjustable starter duration,
- Pressure switch contact selection,
- Compatible with 4-20mA pressure transmitters for analog sensor support,
- Heat exchanger output for cooling,
- Automatic test discharge solenoid output,
- Internal fault and warning information display.



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