



Micra®

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MICRA POMPA VE MAKİNA İMALAT LTD. ŞTİ.

GENERAL
PUMP
CATALOGUE
2026 EDITION

GENERAL PUMP CATALOGUE

HIGH PERFORMANCE
RELIABLE SOLUTIONS
FOR EVERY APPLICATION

2026
EDITION



HIGH
EFFICIENCY



RELIABLE
PERFORMANCE



EASY
MAINTENANCE



ENERGY
SAVING



GLOBAL
SUPPORT



TRUSTED TECHNOLOGY,
WORLDWIDE SOLUTIONS.

www.micrapompa.com

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TRUSTED TECHNOLOGY,
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ABOUT MICRA



Micra Pompa was established to develop reliable, efficient and sustainable solutions in the field of industrial pump systems. Since the day it was founded, Micra Pompa has been designing and manufacturing pump systems tailored to the needs of various industries by combining its engineering-driven approach with strong manufacturing capabilities.



Operating in a wide range of applications, including fire protection, circulation and industrial process systems, Micra Pompa is not just a manufacturer that supplies products, but a solution partner that aims to create value in every stage of projects.



We understand that every project has unique requirements. By analyzing system needs in detail, we develop solutions focused on performance, reliability and long service life.



OUR VISION

To be a global brand recognized for reliability, quality and engineering excellence in industrial pump technologies, and to be the preferred choice in international markets.



OUR MISSION

To accurately analyze our customers' needs and develop, manufacture high performance pump systems, and provide sustainable support throughout after-sales processes.

PUMP SERIES OVERVIEW

Micra Pompa offers a comprehensive range of centrifugal and industrial pump systems designed to deliver high performance, energy efficiency, and long-term reliability. Our product portfolio serves a wide variety of applications including water supply, fire protection, HVAC, industrial processing, wastewater management, and pressure boosting.



01

SGI SERIES
INLINE PUMP



02

SGB SERIES
MONOBLOCK PUMP



03

SGM-VH SERIES
VERTICAL MULTISTAGE PUMP



04

SGM-H SERIES
HORIZONTAL MULTISTAGE PUMP



05

SGM-P SERIES
WASTE WATER &
PROCESS PUMP



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SGT-HT SERIES
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SGC-H SERIES
HORIZONTAL DOUBLE
SUCTION SPLIT CASE PUMP



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SGW SERIES
SUBMERSIBLE SEWAGE PUMP



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FIRE PUMP SETS
FIRE PUMP SET



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ECO SGT SERIES
HORIZONTAL END SUCTION PUMP



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SGC-V SERIES
VERTICAL DOUBLE
SUCTION SPLIT CASE PUMP



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MVTP SERIES
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SG-HD SERIES
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SGM-HB SERIES
HORIZONTAL MULTISTAGE
PUMP WITH BALANCING DISC



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SGM-HU SERIES
MULTISTAGE END
SUCTION PUMP



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SGM-V SERIES
VERTICAL MULTISTAGE PUMP



SGI SERIES INLINE CENTRIFUGAL PUMPS

OVERVIEW

SGI Inline centrifugal pumps are compact and space saving vertical inline pumps with the same inlet and outlet diameter. They are ideal for HVAC systems, pressure boosting, cooling and circulation systems and industrial applications where reliable performance in limited space is required.



TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 65 – DN 250
	CAPACITY	up to 500 m³/h
	HEAD	up to 100 m
	WORKING TEMPERATURE	-25°C to +140°C
	CASING PRESSURE (Pmax)	10 bar (16 bar)*
	STANDARD	EN 733

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.

APPLICATIONS

-  Water Supply
-  HVAC Systems
-  Heating Systems
-  Cooling Circulation
-  Booster Systems
-  Industrial Plants
-  Chemical Industry
-  Marine
-  Power Plants
-  Building Services

KEY FEATURES

-  Compact inline design
-  High hydraulic efficiency
-  Reliable performance
-  Low noise operation
-  Space saving installation
-  Low energy consumption
-  Easy maintenance
-  Long service life



-  **COMPACT DESIGN**
Inline structure requires minimal installation space.
-  **HIGH EFFICIENCY**
Optimized hydraulics provide maximum efficiency.
-  **EASY MAINTENANCE**
Back pull-out design enable quick and easy service.
-  **DURABLE CONSTRUCTION**
High quality materials ensure long life and reliable operation.
-  **WIDE APPLICATION**
Suitable for various industrial and building service applications.

SGB SERIES

MONOBLOCK END SUCTION CENTRIFUGAL PUMPS

OVERVIEW

SGB Series monoblock centrifugal pumps are single stage, end suction pumps with back pull-out design. They are suitable for clean water transfer and a wide range of industrial and building services applications. Compact design ensures easy installation and maintenance.



TECHNICAL SPECIFICATIONS

💧	CAPACITY	Up to 1700 m³/h
⬆️	HEAD	Up to 100 m
🌡️	TEMPERATURE	-25°C to +140°C
🕒	PRESSURE	PN10 / PN16
✅	STANDARD	EN 733

APPLICATIONS

- 💧 Water Supply
- ❄️ HVAC Systems
- 🌿 Irrigation
- 🔥 Fire Fighting
- 🏭 Industrial Plants
- 🧪 Chemical Industry
- 🚢 Marine
- 🏠 Building Services



KEY FEATURES

- ✓ High Hydraulic Efficiency
- ✓ Reliable Performance
- ✓ Easy Maintenance
- ✓ Long Service Life
- ✓ Low Noise Operation
- ✓ Compact and Robust Design



**BACK PULL-OUT
DESIGN**
Easy disassembly
for maintenance
without disturbing
piping.



**DYNAMICALLY
BALANCED IMPELLER**
Minimizes vibration
and ensures smooth
operation.



**HIGH QUALITY
MATERIALS**
Durable construction
for long service life
and reliability.



**EASY
INSTALLATION**
Compact footprint
and flexible
installation.

SGM-VH SERIES

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

OVERVIEW

SGM-VH Series vertical multistage centrifugal pumps are designed for high pressure applications with compact structure and reliable performance. They are ideal for water supply, booster systems, industrial applications and various high pressure operations.



**HIGH
PRESSURE**



EFFICIENCY



**ROBUST
DESIGN**



**SAFE &
RELIABLE**

TECHNICAL SPECIFICATIONS

	CAPACITY	up to 180 m ³ /h
	HEAD	up to 450 m
	FREQUENCY	50 Hz / 60 Hz
	LIQUID TEMPERATURE	-25 °C to +140 °C
	MAX. OPERATING PRESSURE	25 bar (63 bar)*
	DESIGN TYPE	Vertical Multistage Centrifugal Pump

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.



APPLICATIONS

-  Water Supply and Booster Systems
-  Industrial Applications
-  HVAC Systems
-  Process Industry
-  Irrigation Systems
-  Fire Fighting Systems
-  Marine and Offshore



KEY FEATURES

-  High head and high efficiency
-  Compact and vertical design
-  Direct coupled with standard motors
-  Low NPSH requirement
-  Easy installation and maintenance
-  Durable and long service life
-  Wide operating range
-  Reliable performance



HIGH EFFICIENCY

Advanced hydraulic design for maximum efficiency.



ENERGY SAVING

Optimized design reduces energy consumption.



EASY MAINTENANCE

Back pull-out design for easy maintenance and service.



WIDE APPLICATION

Suitable for various industrial and commercial applications.



RELIABLE OPERATION

High quality materials ensure reliable and continuous operation.

SGM-H SERIES

HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS

OVERVIEW

SGM-H Series horizontal multistage centrifugal pumps are non self-priming, high pressure pumps with multiple impellers.

They are designed for high head applications in water supply, industrial, irrigation and boiler feed systems.

Compact and robust construction ensures reliable performance and long service life.



HIGH HEAD
PERFORMANCE



ROBUST
DESIGN



RELIABLE &
DURABLE

TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 25 - DN 250
	CAPACITY	up to 1000 m³/h
	HEAD	up to 600 m
	WORKING TEMPERATURE	-25°C to +140°C
	CASING PRESSURE (Pmax)	30 bar (63 bar)*
	DESIGN TYPE	BB4

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.



APPLICATIONS

-  Water Supply & Booster Systems
-  Boiler Feed Systems
-  Irrigation & Agricultural Systems
-  Industrial High Pressure Systems
-  Fire Fighting Systems
-  Cooling & Air Conditioning
-  Desalination & RO Systems



KEY FEATURES

-  High head and high efficiency
-  Compact and space saving design
-  Precision balanced impellers
-  Low NPSH requirement
-  Easy maintenance and spare part availability
-  Long service life and reliability



HIGH EFFICIENCY

Optimized hydraulic design for maximum efficiency and energy savings.



ROBUST CONSTRUCTION

Heavy duty design ensures stability and durability in demanding conditions.



EASY MAINTENANCE

Back pull-out design allows easy access without disturbing piping.



RELIABLE PERFORMANCE

Consistent operation even in high pressure and fluctuating conditions.



LONG SERVICE LIFE

High quality materials and precision engineering for long lasting operation.

SGM-P SERIES

WASTE WATER & PROCESS PUMPS



OVERVIEW

SGM-P Series waste water and process pumps are designed for reliable and continuous operation in demanding conditions.

With robust construction and high efficiency, they are suitable for transfer of sewage, sludge, viscous and corrosive liquids in municipal and industrial applications.



HIGH
TEMPERATURE



THERMAL OIL
APPLICATIONS



ROBUST
DESIGN



RELIABLE
OPERATION

TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 40 – DN 300
	CAPACITY	up to 1600 m³/h
	HEAD	up to 95 m
	WORKING TEMPERATURE	-10 °C to +110 °C
	CASING PRESSURE (Pmax)	10 bar (16 bar)*
	DESIGN TYPE	End Suction, Back Pull-Out

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.

APPLICATIONS

-  Domestic and Industrial Waste Water
-  Liquid Transfer with Sludge and Solid Particles
-  Sewage Treatment Plants
-  Factory Waste Water Drain
-  Cooling Water Systems
-  Process Industry



KEY FEATURES

-  High efficiency and energy saving
-  Back pull-out design
-  Radially split volute casing
-  Enclosed or semi-open impeller
-  Robust and rugged construction
-  Low maintenance
-  Long service life
-  Suitable for abrasive and corrosive liquids



HIGH TEMPERATURE RESISTANCE

Designed for reliable operation at high temperatures.



BACK PULL-OUT DESIGN

Easy disassembly without disturbing piping.



THERMAL OIL COMPATIBLE

Optimized for heat transfer oil and other industrial fluids.



RELIABLE BEARINGS

High quality bearings for long service life and durability.



EASY MAINTENANCE

Simple design for easy maintenance and reduced downtime.

SGT-HT SERIES

HOT OIL PUMPS

OVERVIEW

SGT-HT Series hot oil pumps are designed for the transfer of heat transfer oil and other low viscosity industrial fluids at high temperatures.

With robust construction, reliable operation and back pull-out design, these pumps ensure maximum safety and long service life.

They are ideal for thermal oil systems, process heating and industrial applications requiring high temperature performance.



HIGH
TEMPERATURE



THERMAL OIL
APPLICATIONS



ROBUST
DESIGN



SAFE &
RELIABLE

TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 65 – DN 150
	CAPACITY	up to 500 m³/h
	HEAD	up to 100 m
	WORKING TEMPERATURE	up to 350 °C
	CASING PRESSURE (Pmax)	10 bar (16 bar)*
	DESIGN TYPE	End Suction, Back Pull-Out

(Pmax: Suction Pressure + Shut off Head)

(* Depending on the type of liquid, operating temperature and pressure.
The pump material changes. Please contact our company
for detailed information.



APPLICATIONS

-  Heat Transfer Oil Systems
-  Process Heating
-  Chemical Industry
-  Petrochemical Industry
-  Textile Industry
-  Food Processing



KEY FEATURES

-  High temperature performance
-  Horizontal, radially split volute casing
-  Back pull-out design
-  Closed impeller
-  Compact and robust construction
-  Low noise and vibration
-  Easy maintenance
-  Long service life



HIGH TEMPERATURE RESISTANCE

Designed for reliable
operation at high
temperatures.



BACK PULL-OUT DESIGN

Easy disassembly
without disturbing
piping.



THERMAL OIL COMPATIBLE

Optimized for heat
transfer oil and other
industrial fluids.



RELIABLE BEARINGS

High quality bearings
for long service life
and durability.



LOW MAINTENANCE

Simple design for
easy maintenance
and reduced downtime.

SGC-H SERIES

HORIZONTAL DOUBLE SUCTION SPLITCASE PUMPS



OVERVIEW

SGC-H Series horizontal double suction splitcase pumps are designed for high flow applications with low NPSH requirement.

Robust construction and hydraulic efficiency make them ideal for water supply, irrigation, HVAC, industrial and general purpose applications.



HIGH
TEMPERATURE



THERMAL OIL
APPLICATIONS



ROBUST
DESIGN



SAFE &
RELIABLE

TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 65 – DN 600
	CAPACITY	up to 6000 m³/h
	HEAD	up to 180 m
	WORKING TEMPERATURE	-20 °C to +110 °C
	CASING PRESSURE (Pmax)	16 bar (25 bar)*
	DESIGN TYPE	End Suction, Back Pull-Out

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure.
The pump material changes. Please contact our company
for detailed information.



APPLICATIONS



Water Supply Systems



Irrigation Systems



HVAC Systems



Industrial Applications



General Purpose Applications



Fire Fighting Systems



KEY FEATURES

- ✓ High efficiency and energy saving
- ✓ Horizontal, radially split volute casing
- ✓ Back pull-out design
- ✓ Double suction impeller
- ✓ Compact and robust construction
- ✓ Low noise and vibration
- ✓ Easy maintenance
- ✓ Long service life



HIGH TEMPERATURE RESISTANCE

Designed for reliable
operation at high
temperatures.



BACK PULL-OUT DESIGN

Easy dismantling
without disturbing
piping.



THERMAL OIL COMPATIBLE

Optimized for heat
transfer oil and other
industrial fluids.



RELIABLE BEARINGS

High quality bearings
for long service life
and durability.



LOW MAINTENANCE

Simple design for
easy maintenance
and reduced downtime.

SGW SERIES

SUBMERSIBLE SEWAGE PUMPS

OVERVIEW

SGW Series submersible sewage pumps are designed for the transfer of domestic and industrial waste water, raw sewage and liquids containing solid and fibrous particles.

With robust construction, high efficiency and durable materials, SGW pumps provide reliable performance in the most demanding conditions.

Suitable for continuous operation in wastewater treatment plants, industrial facilities and building applications.



HIGH
PERFORMANCE



RELIABLE &
DURABLE



ROBUST
CONSTRUCTION



HANDLING
SOLIDS & FIBERS

TECHNICAL SPECIFICATIONS

	DISCHARGE FLANGE	DN 50 - DN 400
	CAPACITY	up to 1600 m³/h
	HEAD	up to 100 m
	FREQUENCY	three-phase 50 Hz
	PROTECTION CLASS	IP 68
	THERMISTOR PROTECTION	PT100
	INSULATION	Class F
	FLUID TEMPERATURE	up to 40 °C

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.



APPLICATIONS

- Iron and Steel Industry
- Energy Industry
- Mining
- Food and Beverage Industry
- Waste Water
- Building Systems



KEY FEATURES

- Vertical, wide volute casing design
- Single stage, end suction submersible pump with closed or vortex impeller
- High efficiency and energy saving
- Double mechanical seal (standard)
- High solid handling capability
- Cooling jacket option for high power motors
- Bearings with DPT lifetime grease lubricated
- Easy installation and maintenance



IP68 PROTECTION
Fully submersible design for safe and reliable operation.



HIGH SOLID HANDLING
Capable of handling solids and fibrous particles.



HIGH EFFICIENCY
Optimized hydraulic and motor design for maximum performance.



EASY MAINTENANCE
Easy access to components and fast servicing.



LONG SERVICE LIFE
Durable materials and premium components ensure long service life.

FIRE PUMP SETS

NFPA 20 COMPLIANT FIRE PUMP SYSTEMS

OVERVIEW

Micra Fire Pumps Sets are engineered in accordance with NFPA 20 requirements to provide reliable and uninterrupted water supply for fire protection systems. Each package is factory assembled and tested to ensure maximum performance and operational safety.



APPLICATIONS

- Commercial Buildings
- Hotels
- Industrial Facilities
- Airports
- Warehouses
- Data Centers
- Shopping Centers
- Power Plants
- Hospitals



MAIN COMPONENTS

- Main Fire Pump
- Jockey Pump
- Electric Motor or Diesel Engine
- Control Panel
- Suction & Discharge Manifolds
- Check Valve
- Butterfly Valve
- Pressure Gauges
- Base Frame



FEATURES

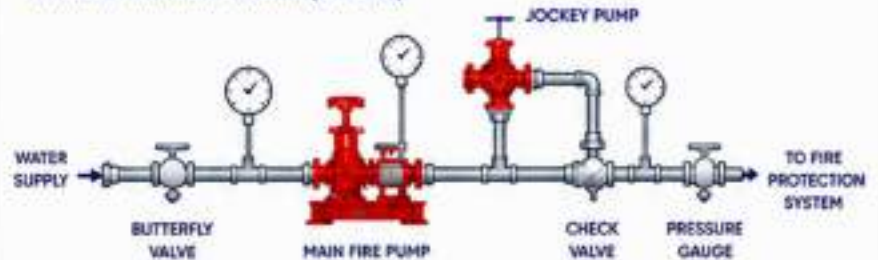
- NFPA 20 compliant design
- Factory assembled package
- Electric or diesel driven options
- Automatic pressure maintenance
- High reliability
- Easy installation
- Low maintenance
- Long service life



TECHNICAL RANGE

CAPACITY	up to 5000 GPM
HEAD	up to 200 m
DRIVE TYPE	Electric / Diesel
STANDARD	NFPA 20
FREQUENCY	50 / 60 Hz

TYPICAL FIRE PUMP SYSTEM (NFPA 20)



NFPA 20 COMPLIANT
Designed and tested in accordance with NFPA 20 standard.



RELIABLE PROTECTION
Ensures continuous water supply for maximum fire safety.



FACTORY TESTED & ASSEMBLED
All packages are factory assembled and tested before delivery.



EASY INSTALLATION & MAINTENANCE
Compact design for quick installation and minimum maintenance.

ECO SGT SERIES

HORIZONTAL END SUCTION CENTRIFUGAL PUMPS

OVERVIEW

The ECO SGT Series horizontal end suction centrifugal pumps are designed for clean water transfer and industrial applications. Engineered according to EN 733 standards, the series offers high hydraulic efficiency, reliable operation and easy maintenance.

TECHNICAL SPECIFICATIONS

	CAPACITY	Up to 1700 m³/h
	HEAD	Up to 100 m
	TEMPERATURE	-25°C to +140°C
	PRESSURE	PN10 / PN16
	STANDARD	EN 733

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.



APPLICATIONS

-  Water Supply
-  HVAC Systems
-  Heating Systems
-  Cooling Circulation
-  Booster Systems
-  Industrial Plants
-  Chemical Industry
-  Marine
-  Power Plants
-  Building Services

KEY FEATURES

-  Compact inline design
-  High hydraulic efficiency
-  Reliable performance
-  Low noise operation
-  Space saving installation
-  Low energy consumption
-  Easy maintenance
-  Long service life



COMPACT DESIGN

Inline structure requires minimal installation space.



HIGH EFFICIENCY

Optimized hydraulics provide maximum efficiency.



EASY MAINTENANCE

Back pull-out design enable quick and easy service.



DURABLE CONSTRUCTION

High quality materials ensure long life and reliable operation.



WIDE APPLICATION

Suitable for various industrial and building service applications.

SGC-V SERIES

VERTICAL DOUBLE SUCTION SPLIT CASE PUMPS

OVERVIEW

The SGC-V Series Vertical Double Suction Split Case Pumps are designed for high-capacity water transfer and pressure boosting applications. Their vertical configuration minimizes installation space while maintaining the hydraulic advantages of double-suction technology. Robust construction, high efficiency, and low vibration ensure reliable long-term operation in demanding industrial and municipal systems.



TECHNICAL SPECIFICATIONS		
	DISCHARGE FLANGE	DN 65 – DN 600
	CAPACITY	up to 6000 m³/h
	HEAD	up to 180 m
	WORKING TEMPERATURE	-20°C to +110°C
	MAX. CASING PRESSURE	16 – 25 bar
	DESIGN TYPE	Vertical Double Suction Split Case Pump

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.

APPLICATIONS

-  Water Supply Systems
-  Pressure Boosting
-  HVAC Systems
-  Industrial Plants
-  Power Plants
-  Chemical Industry
-  Irrigation
-  Fire Fighting



KEY FEATURES

-  Space-saving vertical design
-  Double suction impeller
-  High hydraulic efficiency
-  Low vibration operation
-  Heavy-duty construction
-  Easy maintenance
-  Long service life
-  Reliable performance

 HIGH EFFICIENCY Advanced hydraulic design for maximum efficiency and energy savings.	 COMPACT VERTICAL DESIGN Space-saving vertical configuration reduces installation footprint.	 RELIABLE BEARINGS High quality bearings ensure smooth operation and extended service life.	 LOW MAINTENANCE Simple structure allows easy inspection and maintenance.	 LONG SERVICE LIFE Durable materials and robust construction ensure long and reliable service life.
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MVTP SERIES VERTICAL TURBINE PUMPS

OVERVIEW

MVTP vertical turbine pumps are designed for high head applications such as water supply, pressure boosting and industrial services. Their vertical, inline design allows easy installation in deep wells, reservoirs and tanks. With reliable hydraulic performance and robust construction, MVTP pumps ensure long service life and efficient operation even under demanding conditions.

TECHNICAL SPECIFICATIONS

Capacity	up to 20.000 m ³ /h
Head	up to 450 m
Working Temperature	From -20 °C to +140 °C
Casing Pressure (Pmax)	63 bar

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.

APPLICATIONS

Water Treatment and Pressurization	Power Plants
Heating, Ventilating and Air Conditioning	Oil Industry
Agricultural Irrigation and Drainage	Chemical Industry
Food and Beverage Industry	Mining
Iron and Steel Industry	Marine
Building System	Fire Fighting



HIGH
RELIABILITY



SUPERIOR
PERFORMANCE



ENGINEERED
SOLUTIONS



ENERGY
EFFICIENCY

KEY FEATURES

- High efficiency hydraulic design for maximum performance.
- Vertical construction saves space and reduces installation cost.
- Suitable for deep well, reservoir and tank applications.
- Robust materials and corrosion resistant components.
- Easy maintenance with modular design.
- Long service life with minimum operating cost.



HIGH
EFFICIENCY

Optimized hydraulic
performance for
energy saving.



RELIABLE
OPERATION

Designed for
continuous and
stable operation.



ROBUST
CONSTRUCTION

High quality materials
ensure durability even
in tough conditions.



EASY
MAINTENANCE

Modular structure for
quick inspection and
easy servicing.



ENVIRONMENT
FRIENDLY

Low energy
consumption and
sustainable solutions.

SG-HD HEAVY DUTY PUMP

Pumps • Fire Fighting Systems • Hydrofor Systems

A- GENERAL

A1- Pump Description

- SG-HD series pumps are horizontal, radially split volute casing, single stage, end suction centrifugal pumps with closed or semi-open impeller.
- Dimensionally complies with EN 22858 / ISO 2858.

A2- Applications

SG-HD series pumps are suitable for clean or slightly contaminated (max. 20 mg/dm³) liquids with low viscosities and temperatures up to 175 °C. The main application areas, among others, are:

- Chemical and Petrochemical Industry
- Refineries and Loading Plants
- Paper and Cellulose Industry
- Iron and Steel Industry
- Food and Beverage Industry
- Cooling and Heating Plants
- Water Treatment Plants
- Power Plants

A3- Pump Designation

SG-HD 150 - 200 X

Pump type

Discharge nozzle (DN in mm)

Nominal impeller diameter (mm)

Impeller Type (A: semi-open)

PUMP COLOR

RAL CODE
BLUE 5002



TECHNICAL SPECIFICATIONS

 Capacity	up to 20.000 m ³ /h
 Head	up to 450 m
 Working Temperature	From -20 °C to +140 °C
 Casing Pressure (Pmax)	63 bar

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.



RELIABILITY

Reliable performance and long service life in demanding conditions.



PERFORMANCE

High efficiency hydraulic design for maximum performance.



DURABILITY

Rugged construction with high quality materials for long durability.



EASY MAINTENANCE

Easy maintenance with modular design and standard components.



ENERGY EFFICIENCY

Optimized design for energy saving and reduced operating cost.

SGM-HB TYPE

HORIZONTAL MULTISTAGE PUMP WITH BALANCING DISC



A- GENERAL

A1- Pump Description

SGM-HB type pumps are horizontal multistage centrifugal pumps with balancing disc. They are designed with closed impellers and diffusers. Axial thrust is balanced by balancing disc, ensuring reliable and long-lasting operation.

A2- Applications

SGM-HB type pumps are suitable for clean liquids with low viscosities and temperatures up to 110 °C. The main application areas, among others, are

- General and municipal water supply
- Pressurized water supply and booster systems
- Boiler feed water and condensate
- Heating and air conditioning
- Irrigation, sprinkler
- Industry
- Fire-fighting systems
- Power plants

A3- Pump Designation

SGM-HB 100 / 6

Pump type

Discharge nozzle
(DN in mm)

Number of stages

PUMP ADVANTAGES



PRECISE BALANCING

Balancing disc design for reduced axial thrust.



SMOOTH OPERATION

Stable performance and low vibration during operation.



DURABLE CONSTRUCTION

High quality materials for long service life in demanding conditions.



EASY MAINTENANCE

Compact design for easy inspection and maintenance.



HIGH EFFICIENCY

Optimized hydraulic design for high efficiency.



TECHNICAL SPECIFICATIONS

Speed	1450-2900 rpm
Discharge Nozzle	DN 65 up to 200 mm
Suction Flanges	DIN 2533/PN 16
Discharge Flanges	DIN 2535/PN 40 (DIN 2546/PN 64)
Operating Temperature	-10° C up to 110° C with uncooled soft packing
Ambient Temperature (max)	40° C
Casing Pressure (max)	30 bar (60 bar)
Permissible Liquids	See A2
Insulation Class	F
Enclosure Rating	IP 55
Electrical Connection	3 ph-400V- 50 Hz
Special motor version (on request)	Special voltage, Frequency and explosion-proof.





SGM-HU

MULTISTAGE END SUCTION PUMP

ENGINEERED FOR **PERFORMANCE**.
BUILT FOR **RELIABILITY**.



HIGH EFFICIENCY

Advanced hydraulic design for maximum efficiency and low operating cost.



RELIABLE & DURABLE

Robust construction for long service life and safe operation.



VERSATILE APPLICATIONS

Ideal solution for water, industry, HVAC, and fire fighting systems.



QUALITY & TRUST

Manufactured under high quality standards with proven reliability.



DESIGN FEATURES

- Horizontal ring section, multistage, centrifugal pumps with closed impellers and diffusers in end suction design.
- 7 Models from DN 40 up to DN 150 discharge flange diameter.
- Suction nozzle flanges conform to EN 1092 - 2 / PN 16 and discharge nozzle flanges conform to EN 1092 - 2 / PN 40 (PN 63).
- Discharge flange is on top for standard production, upon request different discharge flange positions can be applied.
- All impellers are balanced dynamically or statically according to ISO 1940 class 6.3.
- Axial thrust is balanced by impeller balancing holes system.
- Direction of rotation is always counter clockwise viewed from drive end.
- Bearings of SGM-HU type pumps are grease lubricated. Journal bearing used in the suction side is lubricated by the pumping liquid.



TECHNICAL DATA

Discharge Flange	DN 40 ... DN 150 mm
Capacity	up to 400 m³/h
Head	up to 450 m
Speed	up to 2900 rpm
Design Temperature	-10°C up to +140 °C*
Casing Pressure (Pmax)	30 bar (63 bar)*

(Pmax: Suction Pressure + Shut off Head)

(*) The Material of pumps differ according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.



HANDLED LIQUIDS

Clean or slightly contaminated low viscosity liquids without solid & fibrous particles.



PRECISE BALANCING

Balancing disc design for reduced axial thrust.



SMOOTH OPERATION

Stable performance and low vibration during operation.



DURABLE CONSTRUCTION

High quality materials for long service life in demanding conditions.



EASY MAINTENANCE

Compact design for easy inspection and maintenance.



HIGH EFFICIENCY

Optimized hydraulic design for high efficiency.



SGM - V VERTICAL MULTISTAGE PUMP

HIGH PERFORMANCE. RELIABLE. **BUILT TO LAST.**

The Micra SGM - V Vertical Multistage Pump is engineered for high efficiency, energy savings and long service life. Designed for a wide range of industrial applications, it delivers consistent performance under demanding conditions.



HIGH EFFICIENCY

Optimized hydraulic design for maximum efficiency



RELIABLE OPERATION

Robust construction for continuous duty



ENERGY SAVING

Lower energy consumption and operating costs



EASY MAINTENANCE

User-friendly design for simplified servicing



WIDE APPLICATION RANGE

Ideal for industrial, municipal and commercial systems



TECHNICAL DATA

Discharge Flange	DN 32 .. DN 65 mm
Flow Rate	Up to 100 m³/h
Head	Up to 175 m
Speed	Up to 2900 rpm
Operating Temperature	-10 °C to +120 °C
Casing Pressure (Pmax)*	25 bar

* Pmax: Suction Pressure + Shut-off Head



APPLICATIONS

- Potable water supply
- Hydrofor systems
- Boiler feed and condensate systems
- Heating, ventilation and air conditioning
- Irrigation, pressure boosting
- Fire fighting systems



DESIGN FEATURES

- Vertical, multistage, radial flow, non-self-priming pump
- Flanges according to EN 32 (for DN 65 and below) and EN 1092-2 (for larger dimensions)
- Suitable for use with IEC standard motors in accordance with NORM.
- Flanges according to ISO 7005-2/PN 16 for suction flange, and ISO 7005-2/PN 40 for discharge flange
- Shaft is dimensioned to withstand residual axial forces
- Pump and motor are directly coupled by a rigid coupling
- Pump is dynamically balanced according to ISO 1940 Class 6.3.
- Suction and discharge flanges are located opposite each other and can be rotated 90° at each level.

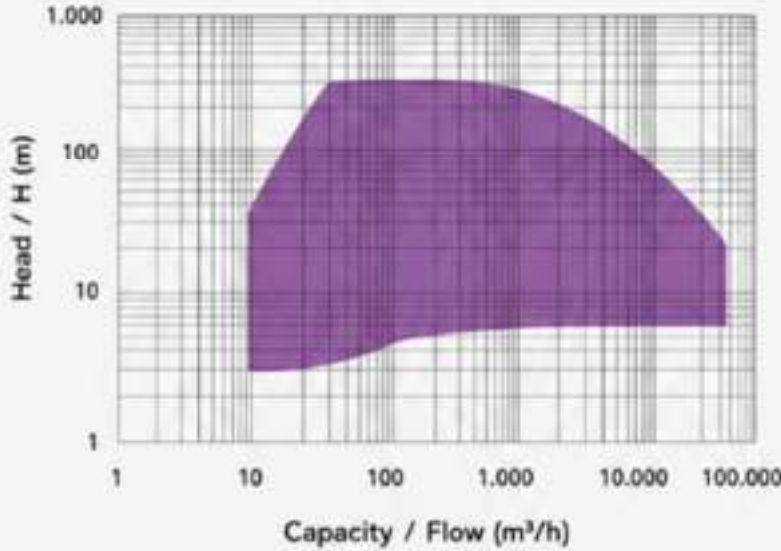
ENGINEERED
FOR A
BETTER
FUTURE



PUMP PERFORMANCE CURVES



MVTP CURVE (50 Hz)



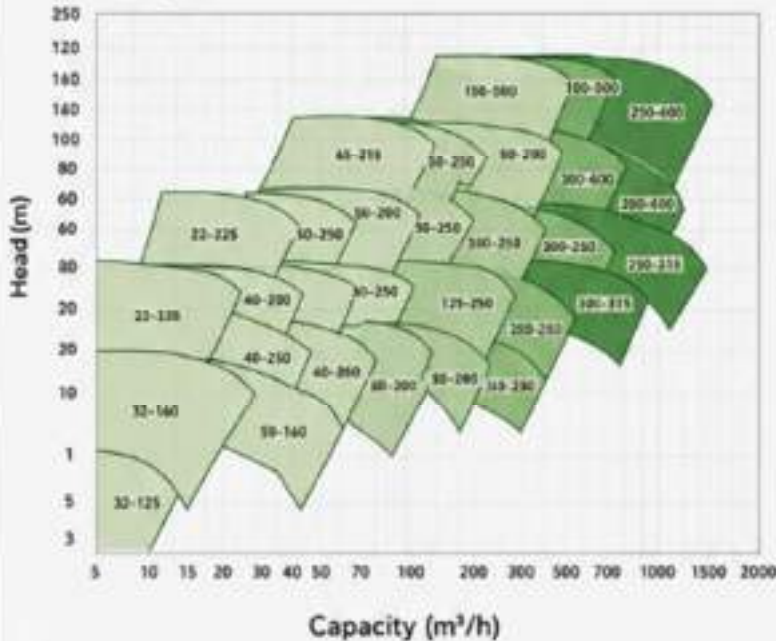
MVTP SERIES (50 Hz)

	Type	Vertical turbine pump
	Flow Rate	up to 229 m³/h
	Head	up to 28 m
	Speed	1450 rpm
	Temperature	up to 40 °C
	Impeller	Radial flow
	Application	Surface sewage water

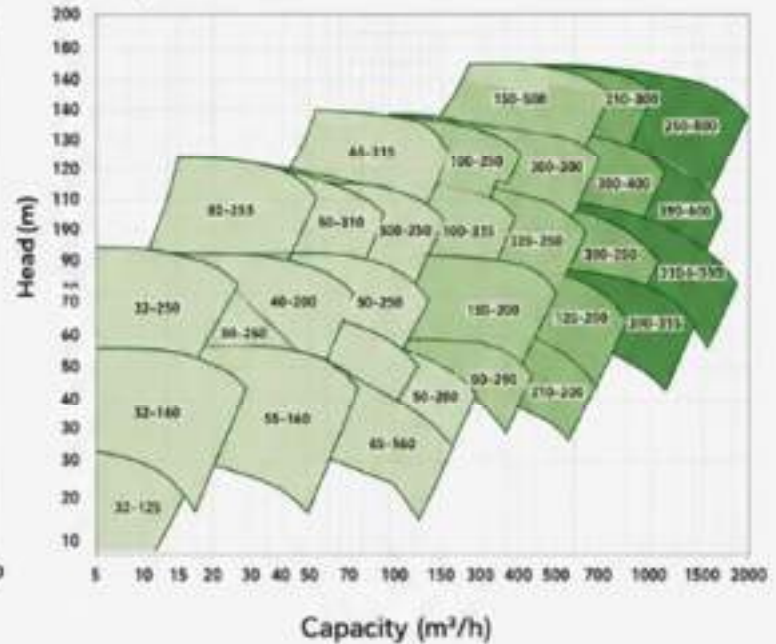


SG-HD SERIES (50 Hz)

1450 rpm

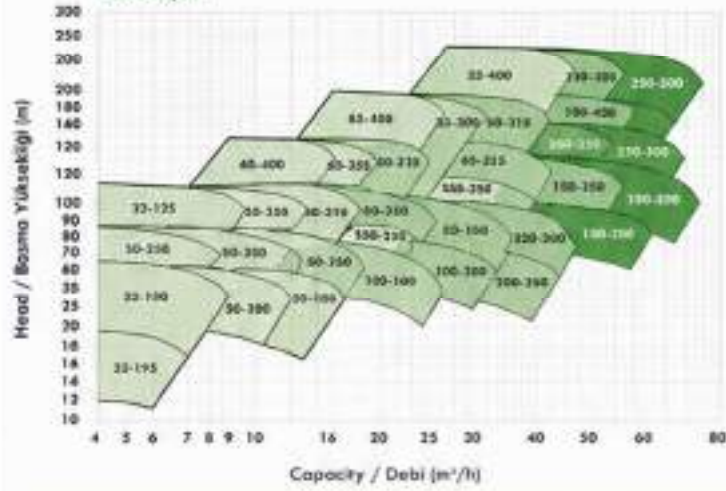


2900 rpm



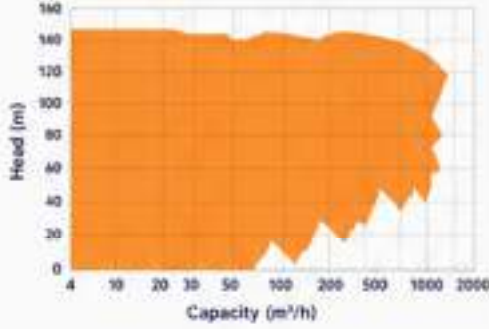
SGM-HU SERIES

1450 rpm

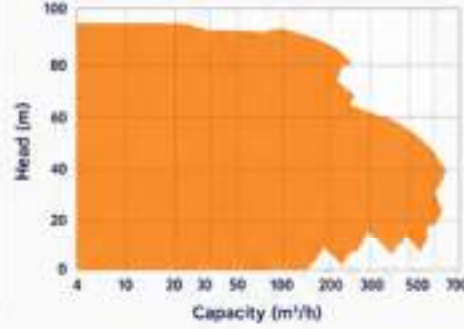


PUMP PERFORMANCE CURVES

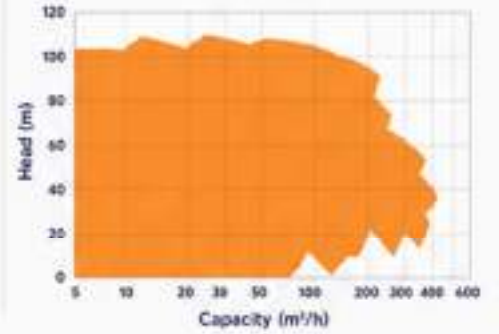
ECO SGT CURVE



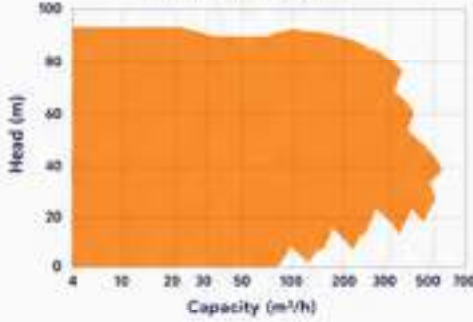
SGB CURVE



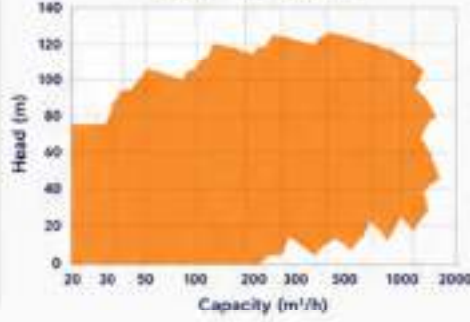
SGI CURVE



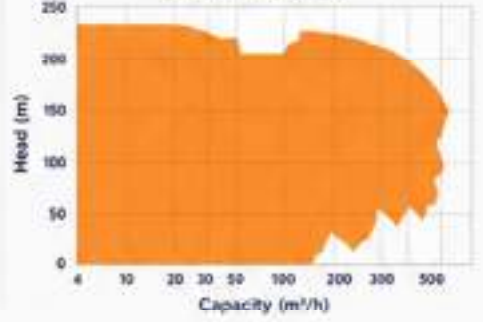
SGT - HT CURVE



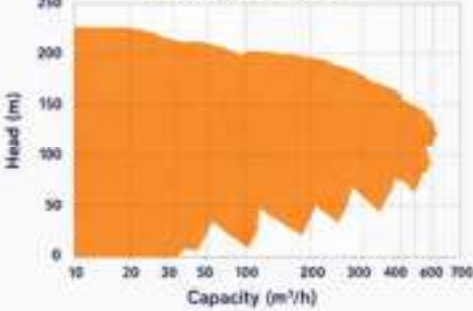
SGC - H CURVE



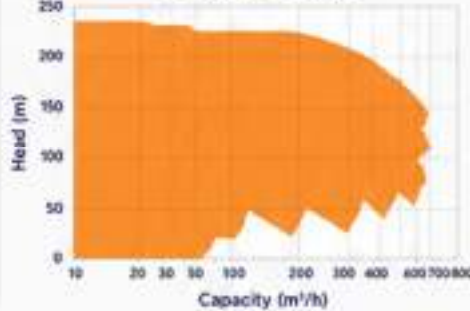
SGM-H CURVE



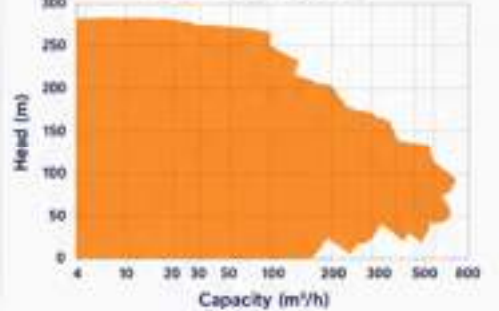
SGM-HB CURVE



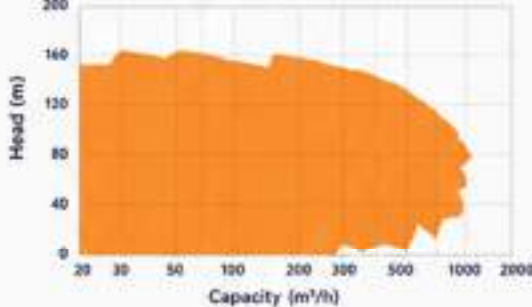
SGMHE CURVE



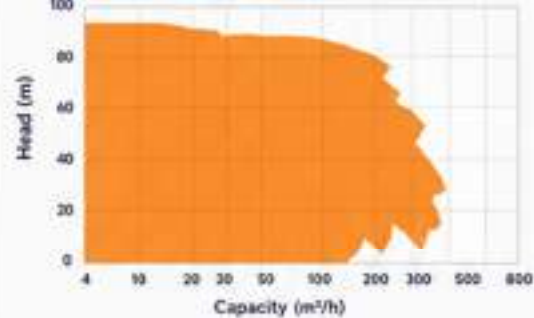
SGM-VH CURVE



SGM-P CURVE



SGW CURVE



ENGINEERING THE FLOW OF TOMORROW

Reliable Pump Solutions for Industrial Applications

MVTP

VERTICAL MULTISTAGE
TURBINE PUMPS



SG-HD

HEAVY DUTY
PUMP



SGM-HB

HORIZONTAL MULTISTAGE
PUMP WITH
BALANCING DISC



SGM-HU

MULTISTAGE
END SUCTION PUMP



SGM-V

VERTICAL MULTISTAGE
PUMP



RELIABLE PERFORMANCE

Built for continuous
and demanding
applications.



ADVANCED ENGINEERING

High efficiency
hydraulic design
for optimal results.



QUALITY ASSURED

Manufactured with
precision and
strict quality control.



GLOBAL SUPPORT

Worldwide service
network and
technical support.



SUSTAINABLE SOLUTIONS

Energy-efficient
products for a
better tomorrow.

ENGINEERING THE FLOW OF TOMORROW

Reliable Pump Solutions for Industrial Applications



SGI SERIES

INLINE CENTRIFUGAL PUMPS



SGB SERIES

END SUCTION CENTRIFUGAL PUMPS



SGM-VH SERIES

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS



SGM-H SERIES

HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS



SGM-P SERIES

WASTE WATER & PROCESS PUMPS



SGT-HT SERIES

HOT OIL PUMPS



SGC-H SERIES

HORIZONTAL DOUBLE SUCTION SPLIT CASE PUMPS



SGC-V SERIES

VERTICAL DOUBLE SUCTION SPLIT CASE PUMPS



SGW SERIES

SUBMERSIBLE SEWAGE PUMPS



FIRE PUMP SETS

FIRE FIGHTING PUMP SYSTEMS



ECO SGT SERIES

HORIZONTAL END SUCTION CENTRIFUGAL PUMPS



RELIABLE PERFORMANCE

Built for continuous and demanding applications.



ADVANCED ENGINEERING

High efficiency hydraulic design for optimal results.



QUALITY ASSURED

Manufactured with precision and strict quality control.



GLOBAL SUPPORT

Worldwide service network and technical support.



SUSTAINABLE SOLUTIONS

Energy efficient products for a better tomorrow.



MICRA
POMPA

RELIABLE PUMPING SOLUTIONS FOR A SAFER TOMORROW

At Micra Pompa, we are committed to delivering high performance, reliable and durable pumping systems that protect lives and property.

Our NFPA 20 compliant fire pump sets are engineered for excellence, built for safety.

Thank you for choosing Micra Pompa.
We pump safety. We deliver trust.



**FIRE PROTECTION
EXPERTISE**



**QUALITY
YOU CAN TRUST**



**SUPPORT YOU CAN
COUNT ON**

**“ ENGINEERED TO PROTECT.
BUILT TO PERFORM. ”**



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Thank you.