STATE-OF THE-ART PUMP TECHNOLOGIES

General Manufacturing
Programme

Scan to view PDF.





(02.2024 rev.3)



Standart Pompa, State-of-the-Art Pump Technologies

Standart Pompa is a global brand that has been operating since 1957 with the goal of always producing better. Never wavering from its principles of technology, quality, durability and environmental sensitivity, Standart Pompa is Turkey's first pump producer. Since the day of our establishment, we at Standart Pompa stand before our consumers with sustainable, safe, we at Standart Pompa stand before our consumers with sustainable, safe, on nature and people. We form business models and processes that adopt the values you find important and we work with our focus on results.





An engineering power that produces solutions on a global scale.

We develop technologies to produce optimum solutions according to your changing needs in our R&D Center. Our responsibility to the sector, to nature, to people and future generations always motivates us to produce newer and better. We produce pump groups, fire extinguishing systems and booster pumps that opyimize system efficiency at international standards accepted worldwide. Standart Pompa products are used in many different fields that require the pressurizing of fluids like industrial processes, the petro-chemical industry, defense industry, agricultural irrigation, water supply, wastewater transfer and wastewater treatment facilities.



A company that has brought its own standards to the sector with a national and INTERNATIONAL SALES NETWORK AND ENGINEERING SOLUTIONS THAT EXTEND FROM LOCAL TO GLOBAL.

We reach out to you with a compact organizational structure that we have created with over 65 years of experience to bring optimum systems to life with effective and productive products and to serve with fast and smart solutions.



HVAC



WATER MANAGEMENT AND INFRASTRUCTURE



BUILDING TECHNOLOGIES



IRON - STEEL



MARINE



ENERGY



GEOTHERMAL



FOOD - BEVERAGE



MINING



PETROL



PAPER AND PULP



CHEMICAL



SUGAR

Technologies that add value to today and protect tomorrow.

ECO SNT EN 733 NORM PUMPS

Technical Data

Discharge Flange	_DN 32DN 250 mm
Capacity	_up to 1200 m³/h (*)
Head	_up to 160 m(*)
Speed	_up to 3600 rpm(*)
Design Temperature	10 °C' to +140 °C(**)
Casing Pressure (Pmax)	_10 bar (16 bar)(**)

(Pmax: Suction Pressure + Shut off Head)

(*) Contact company for higher capacity and head values.

(**) The Material of pump differs 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.

Design Features

- · Horizontal, radially split volute casing type, single stage, end suction centrifugal pump with closed impeller.
- In addition to 29 basic sizes conforming with EN 733, there are 17 additional sizes. Dimensions of additional sizes may differ from other suppliers.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system.
- Bearings of ECO SNT type pumps are normally "life time grease lubricated" ball bearings. If there is a demand, oil lubrication or re-greasable bearing can be supplied.

<u>Material</u>

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Soft packing seal or mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

ECO SNM CLOSED COUPLED CENTRIFUGAL PUMPS

Technical Data

Discharge Flange	_DN 32DN 200 mm
Capacity	_up to 900 m³/h (*)
Head	_up to 100 m(*)
Speed	_up to 3600 rpm(*)
Design Temperature	10 °C' to +140 °C(**)
Casing Pressure (Pmax)	_10 bar (16 bar)(**)

(Pmax: Suction Pressure + Shut off Head)

(*) Contact company for higher capacity and head values.

(**) The Material of pump differs 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.

Design Features

- · Horizontal / Vertical closed-coupled, volute casing, single stage, end suction centrifugal pump with closed impeller.
- Pumps are closed coupled with electric motors of IEC frame sizes with high effciency class.
- The pump and motor have separate shafts connected by a rigid coupling or through slide fit shaft. Axial and radial forces are absorbed by electric motor bearings.
- · Closed coupled pumps are lighter and smaller comparing to the norm centrifugal pumps of same hydraulic specifications.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

ECO SNL IN-LINE PUMPS

Technical Data

Discharge Flange	_DN 40DN 200 mm
Capacity	_up to 850 m³/h (*)
Head	_up to 100 m(*)
Speed	_up to 3600 rpm(*)
Design Temperature	10 °C' to +140 °C(**)
Casing Pressure (Pmax)	_10 bar (16 bar)(**)

(Pmax: Suction Pressure + Shut off Head)
(*) Contact company for higher capacity and head values.
(**) The Material of pump differs 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.

Design Features

- In-line, closed-coupled, volute casing, single stage centrifugal pump with closed impeller.
- Pumps are closed coupled with electric motors of IEC frame sizes with high effciency class.
- The pump and motor have separate shafts connected by a rigid coupling or through slide fit shaft. Axial and radial forces are absorbed by electric motor bearings.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

ECO SKY THERMAL OIL PUMPS

Technical Data

Discharge Flange_____DN 32...DN 150 mm

Capacity_____up to 550 m³/h (*)

Head____up to 105 m(*)

Design Temperature___up to 350 °C

Cooling Method____With Air

Casing Pressure (Pmax)____10 bar (16 bar)(**)

(Pmax: Suction Pressure + Shut off Head)
(*) Contact company for higher capacity and head values.
(**) The Material of pump differs according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.



Handled Liquids

Heat transfer oil or low viscosity industrial oil without agressive solid particles.

Design Features

- · Horizontal, radially split volute casing type, single stage, end suction, air cooled centrifugal pumps with closed impeller.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.
- Bearings of ECO SKY type pumps are "grease lubricated" ball bearings.

Material

Ductile cast iron.

Shaft Sealing

High temperature resistant mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

<u>Certification</u>

EN ISO 9905, CE, GOST-R

ECO SNV SUMP PUMP

Technical Data

Discharge Flange	_DN 32DN 200 mm
Capacity	_up to 900 m³/h
Head	_up to 60 m
Speed	_up to 1500 rpm
Design Temperature	_up to +95 °C
Casing Pressure (Pmax)	_10 bar



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

Design Features

- Vertical, volute casing, single stage, end suction centrifugal sump pumps with enclosed type impeller.
- Up to 4 m. column length.
- Discharge pipe is extended up to base plate for easy installation.
- Bearings of ECO SNV type pumps are grease lubricated. Bottom and internal slide bearings are lubricated by the pumping liquid.

Material

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

No sealing is required.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification CE, ATEX, GOST-R



ECO SNMV-H VERTICAL CENTRIFUGAL PUMPS

Technical Data

_DN 32DN 250 mm
_up to 1200 m³/h (*)
_up to 160 m(*)
_up to 3600 rpm(*)
10 °C' to +140 °C(**)
_10 bar (16 bar)(**)

(Pmax: Suction Pressure + Shut off Head)
(*) Contact company for higher capacity and head values.
(**) The Material of pump differs 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.

Design Features

- · Vertical, radially split volute casing type, single stage, end suction centrifugal pump with closed impeller.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.
- Bearings of ECO SNMV-H type pumps are greased lubricated ball bearings.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

ECO SNLV-H IN-LINE PUMPS

Technical Data

Discharge Flange	_DN 40DN 250 mm
Capacity	_up to 800 m³/h
Head	_up to 95 m
Speed	_up to 2900 rpm
Design Temperature	10 °C' to +140 °C(*)
Casing Pressure (Pmax)	_10 bar (16 bar)(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs 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.

Design Features

- · Volute casing, single stage, vertical in-line centrifugal pump with closed impeller and with seperate own bearing bracket.
- ECO SNLV-H pumps are short coupled with electric motors of IEC frame sizes with high effciency class.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.
- Bearings of ECO SNLV-H type pumps are greased lubricated ball bearings.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

SCP ISO 2858 NORM PUMPS

Technical Data

 Discharge Flange
 DN 32...DN 250 mm

 Capacity
 up to 1500 m³/h

 Head
 up to 160 m

 Speed
 up to 2900 rpm

 Design Temperature
 -10 °C' to +175 °C(*)

 Casing Pressure (Pmax)
 16 bar (25 bar)(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.



Handled Liquids

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

Design Features

- · Horizontal, radially split volute casing type, single stage, end suction centrifugal pumps with closed or semi-open impeller.
- In addition to 28 basic sizes conforming with ISO 2858, there are 10 additional sizes. Dimensions of additional sizes may differ from other suppliers.
- Heavy duty shaft not in contact with the medium handled (dry shaft).
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. (With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.)
- Bearings of SCP type pumps are always oil lubricated.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Soft Packing Seal or Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

EN ISO 9905. CE. ATEX. GOST-R

SCP-HT HOT WATER PUMPS

Technical Data

Discharge Flange	_DN 32DN 250 mm
Capacity	_up to 1500 m³/h (*)
Head	_up to 160 m(*)
Speed	_up to 2900 rpm(*)
Design Temperature	_+230 °C(**)
Casing Pressure (Pmax)	_25 bar (40 bar)(**)

(Pmax: Suction Pressure + Shut off Head)

(*) Contact company for higher capacity and head values.

(**) The Material of pump differs 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.

Design Features

- In-line, closed-coupled, volute casing, single stage centrifugal pump with closed impeller.
- Pumps are closed coupled with electric motors of IEC frame sizes with high effciency class.
- The pump and motor have separate shafts connected by a rigid coupling or through slide fit shaft. Axial and radial forces are absorbed by electric motor bearings.

Material

Ductile cast iron, steel, stainless steel or duplex.

Shaft Sealing

Soft Packing Seal or Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

SSP-H EXTRA HEAVY DUTY SLURRY PUMPS

Technical Data

Discharge Flange _____ DN 25...DN 350 mm

Capacity _____ up to 3500 m³/h

Head ____ up to 100 m

Temperature Operation ____ -10 °C' to +110 °C

NOTE: The Material of pump differs according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.



Handled Liquids

Slurry, highly contaminated, viscous, corrosive and abrasive liquids with solid or fibrous particles.

Design Features

- SSP-H pump series are carefully designed by taking into consideration years of production experience of STANDART POMPA and field experiences of our customers using process and slurry pumps. Hydraulic effciency and hardwearing are considerate and optimised while hard solid particles were pumping.
- SSP-H pump series users are offered with advantages of resistant to extensive wear, high reliability, high hydraulic effciency, cost effective spare parts and continous spare part supply in short lead time.

Fields of Application

- · Mining and mineral processing
- Sand and gravel processing plants
- Abrasive slurry transfer
- Industrial plants
- · Pulp and paper industry
- Cyclone feed
- Mine wastes transfer
- Fly ash and bottom ash transport
- Manure transfer
- Lime mud transport
- Waste water systems
- Chemical slurries
- Filter press applicaions
- Aggregate plants
- Autoclaved aerated concrete plants

SSP-V EXTRA HEAVY DUTY SLURRY PUMPS

Technical Data

Discharge Flange_____DN 50...DN 250 mm

Capacity_____up to 1000 m³/h

Head____up to 40 m

Temperature Operation____-10 °C' to +110 °C

NOTE: The Material of pump differs according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.



Handled Liquids

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

Design Features

- SSP-V pump series are carefully designed by taking into consideration years of production experience of STANDART POMPA and field experiences of our customers using process and slurry pumps. Hydraulic effciency and hardwearing are considerate and optimised while hard solid particles were pumping.
- SSP-V pump series users are offered with advantages of resistant to extensive wear, high reliability, high hydraulic e\(\text{ciency}, \text{cost e\(\text{Dective spare parts} and continous spare part supply in short lead time.} \)

Fields of Application

- · Mining and mineral processing
- Sand and gravel processing plants
- Abrasive slurry transfer
- Industrial plants
- · Pulp and paper industry
- Cyclone feed
- Mine wastes transfer
- Fly ash and bottom ash transport
- Manure transfer
- Lime mud transport
- Waste water systems
- · Chemical slurry transfer

SPO API 610 12th Edition ISO 13709 Process Pumps

Technical Data

Discharge Flange	_NPS 1" - NPS 10"
Capacity	_up to 1000 m³/h
Head	_up to 350 m
Speed	_up to 3600 rpm
Design Temperature	_up to +350 °C(*)
Design Pressure	_51 bar (*)
Design Type	_OH2

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



Handled Liquids

Petroleum industry, power plants and chemical industry. Fuel oil, motorin, gasoline, LPG, lubricants, kerosene, etc.

Design Features

- •Center line volute casing design for high pressure and temperature.
- •All impellers are balanced dynamically or statically according to ISO 1940 grade 2.5.
- •The material of casing gasket is spiral wound gasket for handling high pressure.
- •In case of pumping hot liquid there is cooling devices on bearing housing and special construction for mechanical seal.
- •The base plate construction is highly rigid as defined in to API 610 standard.
- For high bearing life time, the constant level oilers are supplied in order to keep oil level in proper level.

Shaft Sealing

Mechanical seal box is designed according to API 610 (ISO 13709) and every type of mechanical seal according to API 682 (ISO 21049) can be applied.

<u>Rotation</u>

Direction of rotation is clockwise viewed from drive end.

Certification

CE. ATEX

SDS / SDS-V DOUBLE SUCTION PUMPS

Technical Data

Discharge Flange	_DN 65DN 600 mm
Capacity	_up to 6000 m³/h
Head	_up to 180 m
Speed	_up to 2900 rpm
Design Temperature	10 °C' to +110 °C(*)
Casing Pressure (Pmax)	_16 bar - 25 bar(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs 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.

Design Features

- ·Horizontal or vertical manufacturing option. Axial split case, single stage, double suction centrifugal pumps.
- •Suction and discharge flanges are on the same axis on the bottom casing. Split case design permits easy disassembly of the rotor group for maintenance or repair without distorting pump alignment and suction / discharge piping.
- •Impeller is of double suction design. This feature increases pump suction performance in addition with providing the balance of hydraulic axial forces resulting higher bearing lifes and higher reliability.
- •Grease lubricated ball bearings are used in horizontal installation. In case of vertical installation, pumping liquid lubricated journal bearings on top and grease lubricated ball bearings on bottom are used.

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

Soft packing seal or mechanical seal.

<u>Rotation</u>

Direction of rotation is clockwise viewed from drive end. Upon request direction of rotation can be reversed.

Certification

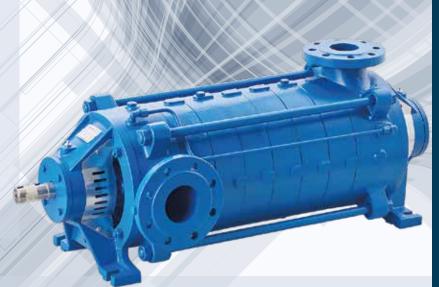


SKM MULTISTAGE CENTRIFUGAL PUMPS

Technical Data

Discharge Flange	_DN 32DN 250 mm
Capacity	_up to 1000 m³/h
Head	_up to 550 m
Speed	_up to 2900 rpm
Design Temperature	10 °C' to +140 °C(*)
Casing Pressure (Pmax)	_30 bar (63 bar)(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs 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.

Design Features

- •Horizontal ring section, multistage, centrifugal pumps with closed impeller and di\u00eduser.
- •10 Models from DN 32 up to 250 discharge flange diameter.
- •In standard production, suction flange is placed on the right side and close to the coupling while discharge flange is at the other end and radially upwards (R 3/0). If other flange position is required, it should be indicated in the order.
- •Bearings of SKM type pumps are always grease lubricated.

Material

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

Soft Packing Seal or Mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

SKM-EMULTISTAGE PUMPS (END SUCTION)

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' to +140 °C(*)

Casing Pressure (Pmax)____30 bar (63 bar)(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs 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.

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.
- •Discharge flange is on top for standard production, upon request different discharge flange positions can be applied.
- ·Bearings of SKM-E type pumps are grease lubricated. Journal bearing used in the suction side is lubricated by the pumping liquid.

Material

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

Soft Packing Seal or Mechanical seal.

Rotation

Direction of rotation is counter clockwise viewed from drive end.

Certification

SKMV-H MULTISTAGE PUMPS (VERTICAL)

Technical Data

Discharge Flange	_DN 32DN 150 mm
Capacity	_up to 400 m³/h
Head	_up to 450 m
Speed	_up to 2900 rpm
Design Temperature	10 °C' to +140 °C(*)
Casing Pressure (Pmax)	_30 bar (63 bar)(*)

(Pmax: Suction Pressure + Shut off Head)
(*) The Material of pump differs 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.

Design Features

- •Vertical ring section, multistage, centrifugal pumps with closed impellers and diffusers.
- •8 models from DN 32 up to DN 150 discharge flange diameter.
- •SKMV-H pumps are short coupled with electric motors of IEC frame sizes with high effciency class.
- •Pump and motor shafts are connected to each other with flexible coupling.
- ·Bearings of SKMV-H type pumps are grease lubricated. Journal bearings used in the suction side is lubricated by the pumping liquid.

Material

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

Soft Packing Seal or Mechanical seal.

Rotation

Direction of rotation is counter clockwise viewed from drive end.

Certification

C SUBMERSIBLE SEWAGE PUMPS

Technical Data

Discharge Flange_____DN 50...DN 300 mm

Capacity_____up to 1600 m³/h

Head____up to 95 m

Speed____up to 2900 rpm

Design Temperature___up to +40 °C

Casing Pressure (Pmax)____10 bar

NOTE: For higher temperatures, please contact with STANDART POMPA



Handled Liquids

Domestic and industrial waste water, raw sewage, liquids with fibrous and solid substances.

Design Features

- ·Vertical, wide volute casing, single stage, end suction submersible type centrifugal pump with enclosed, semi-open or vortex types impeller.
- •20 basic sizes covering wide range of operational area.
- •Electric motor isolation class is IP 68.
- •In case of request motor cooling jacket is also applicable (for pumps having bigger than 200 frame motor)
- •Bearings of C type pumps are "life time grease lubricated" ball bearings.

Material

Cast iron, ductile cast iron or stainless steel.

Shaft Sealing

Mechanical Seal

Certification

CE, GOST-R, TS 12599

CONFLUXPACKAGE TYPE WASTE WATER PUMPING STATION



Technical Data

Tank Volume______300 - 500 liter

Number of Pumps_____1 main or 1 main + 1 spare

Piping______DN 50

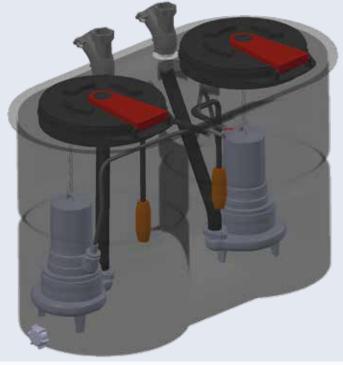
Material_____Fiberglass compozite with polyester added

Equipments______Connection pipes, rail pipes, valves, check valve and çekvalfleri, basket grid

Water Temperature (max)_____40 °C







PC / PC-VM WASTE WATER AND PROCESS PUMPS

Technical Data

Discharge Flange	_DN 40DN 300 mm
Capacity	_up to 1600 m³/h
Head	_up to 95 m
Speed	_up to 2900 rpm
Design Temperature	10 °C' to +110 °C
Casing Pressure (Pmax)	10 bar (16 bar)(*)

(Pmax: Suction Pressure + Shut off Head)

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



Handled Liquids

Domestic and industrial waste water, raw sewage, viscous and corrosive liquids, liquids with fibrous and solid substances.

Design Features

- ·Horizontal / Vertical, wide volute casing, single stage, end suction, centrifugal pumps with enclosed, semi-open or vortex type impeller.
- •18 basic sizes covering wide range of operational area.
- •Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. (With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.)
- •Bearings of PC type pumps are "life time grease lubricated" ball bearing up to 150-315 size. For bigger sizes oil lubricated bearings are used. In vertical design (PC-VM) always grease lubricated bearings are used.

<u>Material</u>

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

Soft packing seal or mechanical seal.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

EN ISO 9905. CE. ATEX. GOST-R

PC-V WASTE WATER AND PROCESS PUMPS (SUMP DESIGN)

Technical Data

Discharge Flange_____DN 40...DN 300 mm

Capacity_____up to 1600 m³/h

Head____up to 95 m

Speed____up to 1450 rpm

Design Temperature___up to +95 °C

Casing Pressure (Pmax)____10



Handled Liquids

Domestic and industrial waste water, raw sewage, viscous and corrosive liquids, liquids with fibrous and solid substances.

Design Features

- •Vertical, wide volute casing, single stage, end suction, centrifugal pumps with enclosed, semi-open or vortex type impeller.
- •Up to 4 m. column length.
- •Discharge pipe is extended up to base plate for easy installation.
- •Bearings of PC-V type pumps are grease lubricated. Bottom and internal sleeve bearings are lubricated by the pumping liquid. (different lubrication systems can be applied for the sleeve bearings in case of request or requirement. Contact for detailed information)

Material

Cast iron, ductile cast iron, steel, stainless steel, duplex or bronze.

Shaft Sealing

No sealing is required.

Rotation

Direction of rotation is clockwise viewed from drive end.

Certification

CE, ATEX

SKM-EVK PROCESS PUMPS (SUMP DESIGN)

Technical Data

Discharge Flange	DN 32DN 150 mm
Capacity	up to 400 m³/h
Head	up to 220 m
Speed	up to 1450 rpm
Design Temperature	up to +95 °C
Casing Pressure (Pmax)	30 bar



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

Design Features

- •Vertical ring section, multistage, centrifugal pumps with closed impellers and diffusers.
- Up to 4 m. column length.
- •Bearings of SKM-EVK type pumps are grease lubricated. Bottom and internal sleeve bearings are lubricated by the pumping liquid. (different lubrication systems can be applied for the sleeve bearings in case of request or requirement. Contact for detailed information)

Material

Cast iron, ductile cast iron, stainless steel, duplex or bronze.

Shaft Sealing

Soft Packing or Mechanical seal.

Rotation

Direction of rotation is counter clockwise viewed from drive end.

Certification

CE ATEX





SMV VERTICAL SHAFT TURBINE PUMP

Technical Data

Discharge Flange_____DN 250...DN 1000 mm

Capacity_____up to 8000 m³/h

Head_____up to 250 m

Speed____up to 1800 rpm

Operating Temperature__up to +80 °C

Handled Liquids

Clean or contaminated lake waters, rivers, dam waters, untreated industrial waters and liquids with fibrous and solid substances.

Design Features

- ·Single or multi stage mixed flow pumps.
- •It usually consists of group of stages, columns and discharge caps.
- •Flow capacity is between 300 8000 m³/h and head is up to 250m. Custom manufacturing is needed for larger capacities.
- •They are usually mounted vertically.
- •There are no suction problems at first motion since stages are in contact with fluid.
- ·High effciency and low operating costs.
- •Mounting and demounting are easier with flanged column pipes.
- •Enclosed or semi-open impeller is used.
- •Depending on type of the fluid and operating conditions, soft seal, single, double or cartridge type mechanical seal is used.
- •It can be lubricated with handled liquids or grease. It also can be lubricated with clean water or oils by customer request.
- •Discharge head can be placed above ground or underground.
- •VHS or V1 electric motor can be used.
- •Bronze or rubber intermediate bearing can be selected.

Shaft Sealing

Depending on type of the fluid and operating conditions, soft seal, single, double or cartridge type mechanical seal is used.

Certification

EN ISO 9905, CE, GOST-R





NMT WET ROTOR CIRCULATION PUMPS

Technical Data

Connection______DN 15...DN 32 mm (S)

DN 32...DN 100 mm (F)

Capacity______up to 78 m³/h

Head_____up to 18 m

Design Temperature____up to +110 °C

Casing Pressure (Pmax)_____10 bar



Handled Liquids

In use for pumping clean water or clean water & anti-freeze mixture liquids in heating systems. Water should be according to current quality standarts (such as VDI 2035). Liquid should not be contained with abrasive or explosive mixtures, mineral oil, solid or fibrous particles.

Design Features

- •NMT series pumps have variable speed design. Depending on request, they can be supplied as twin type.
- •Designed to optimize your energy consumption with features such as variable pressure, constant pressure, constant speed and night mode.

Material

Cast iron.

Certification

CE



Technical Data

Capacity______30 - 4000 m³/h

Net Head______10 - 200 m

Installed Power______up to 500 kW

Speed______4 - 6 - 8 pole sencron

Designed Type______Norm, Double Suction or multistage

Application Areas

- Water supply lines
- Pressure regulated water network lines
- Waste water lines
- Geothermal energy plants
- Reverse osmosis applications
- Industrial facilities
- · Agricultural irrigation applications
- Advanced test stands

Design Features

- It is possible to generate electiricty for off-grid regions, especially for drinking water transmission and network regions. Moreover, the losses can be decreased with the help of pressure regulations.
- It easily generates electricity for on-grid regions by directly connecting to electric networks with or without extra setting needs.
- It can be used as a driver by directly assembling with another machine.

TH CDLF STAINLESS BOOSTER PUMP SETS

Technical Data

Capacity____up to 330 m³/h
Head____up to 160 m

Design Temperature____-10 °C to +120 °C
Casing Pressure (Pmax)____10 - 16 - 25 bar



General Information

- · All surfaces that contact with the liquid are stainless steel, In-line (straight pipe attachable) type pumps.
- CDLF pumps are suitable for pumping non-abrasive, clean or slightly contaminated, low-viscosity liquids without solid & fibrous particles.

Design Features

- •The booster pumps are produced as single, double and triple pumps as a standard according to the desired flow rate. Upon request, up to 6 pumps can be set.
- •Sequencing, phase control and liquid level control are standard features for multiple pumped booster pumps.
- •Booster pumps can operate in two different modes; automatically and manually.
- •The booster pumps can be manufactured as a variable-speed frequency control for convenience.

<u>Material</u>

Pump: Stainless Steel (AISI 304)

Tank: Epoxy polyster painted steel, stainless steel

Certification

CE

TH SB BOOSTER PUMP SETS

Technical Data

up to 90 m³/h Flow Head _up to 160 m 0 °C' to +50 °C Design Temperature_ Casing Pressure (Pmax) 10 bar - 16 bar



General Information

SB pumps are suitable for pumping non-abrasive, clean or slighty contaminated, low viscosity liquids without solid & fibrous particles.

Design Features

- •The boosters are produced as single, double and triple pumps as a standard according to the desired flow. Upon request, up to 6 pumps can be set.
- •Sequencing, phase control and liquid level control are standard features for multiple pumped booster pumps.
- •Booster pumps can operate in two di\u00ederent modes; automatically and manually.
- •The booster pumps can be manufactured as a variable-speed frequency control for convenience.

Material

Pump: Cast iron casing, norly impeller. Tank: Epoxy polyster painted steel, stainless steel

Certification TSEK, CE, GOST-R

TH SKMV BOOSTER PUMP SETS

Technical Data

up to 300 m³/h Capacity __up to 180 m Head_ Design Temperature____ _up to +70 °C _____10 - 16 - 25 bar Casing Pressure (Pmax)_



General Information

SKMV pumps are suitable for pumping non-abrasive, clean or slightly contaminated, low viscosity without solid & fibrous particles liquids.

Design Features

- •The boosters are produced as single, double and triple pumps as a standard according to the desired flow. Upon request, up to 6 pumps can be set.
- •Sequencing, phase control and liquid level control are standard features for multiple pumped booster pumps.
- •Booster pumps can operate in two different modes; automatically and manually.
- •The booster pumps can be manufactured as a variable-speed frequency control for convenience. (upon request)

Material

Pump: Cast iron, stainless steel or bronze. Tank: Epoxy polyster painted steel, stainless steel

Certification TSEK, CE, GOST-R

TH GRV-VD / VB **BOOSTER PUMP SETS**

Technical Data

up to 45 m³/h Capacity ___up to 170m Head_ Casing Pressure (Pmax)___ _10 - 16 - 25 bar Design Temperature____up to +50 °C



General Information

GRV-VD / VB pumps are suitable for pumping non-abrasive, clean or slightly contaminated, low viscosity without solid & fibrous particles liquids.

Design Features

- •The boosters are produced as single, double and triple pumps as a standard according to the desired flow. Upon request, up to 6 pumps can be set.
- •Sequencing, phase control and liquid level control are standard features for multiple pumped booster pumps.
- •Booster pumps can operate in two different modes; automatically and manually.
- •The booster pumps can be manufactured as a variable-speed frequency control for convenience. (upon request)

Material

Pump: Cast iron, stainless steel or bronze casing, norly impeller. Tank: Epoxy polyster painted steel, stainless steel

Certification TSEK, CE, GOST-R

FIRE PUMPS CONFORM TO NFPA 20

Technical Data

Discharge Flange_____DN 32...DN 250 mm

Capacity_____up to 5000 gpm

Head____up to 170 m

Speed____up to 3000 rpm

Casing Pressure (Pmax)_____16 - 25 bar



Design Features

• End suction, double suction, in-line or multi-stage pumps according to NFPA 20 can be used.

Material

Casing: Cast iron, ductile cast iron. Impeller: Bronze Shaft: Stainless Steel

Certification

EN ISO 9905, CE, GOST-R

SNKUL LISTED and FM APPROVED

Technical Data

Discharge Flange_____DN 50...DN 80 mm

Capacity_____200 to 500 GPM

Head_____84 to 150 psi

Speed_____up to 3000 rpm

Casing Pressure (Pmax)_____16 bar



Design Features

- Horizontal single stage, end suction centrifugal pumps with closed impeller.
- UL Listed and FM Approved.

Material

Casing: Ductile cast iron. Impeller: Bronze Shaft: Stainless Steel

Shaft Sealing

Soft packing seal.

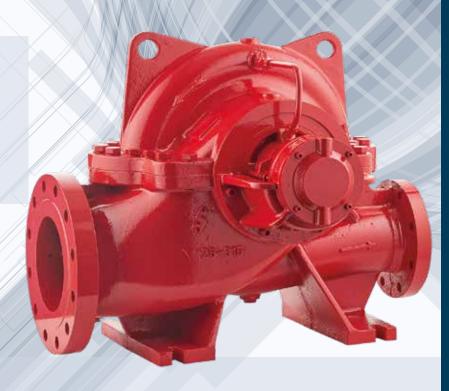
Certification

UL Listed, FM Approved, EN ISO 9905, CE, GOST-R

SDS UL LISTED and FM APPROVED

Technical Data

Discharge Flange	_DN 65DN 150 mm
Capacity	_100 to 2500 GPM
Head	_85 to 208 psi
Speed	_up to 3000 rpm
Casing Pressure (Pmax)	_16 bar



Design Features

- Horizontal single stage, double suction centrifugal pumps with closed impeller.
- UL Listed and FM Approved.

Material

Casing: Ductile cast iron. Impeller: Bronze Shaft: Stainless Steel

Shaft Sealing

Soft packing seal.

Certification

UL Listed, FM Approved, EN ISO 9905, CE, GOST-R

