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GN Series Single Stage, End Suction Pumps EN 733

Pumped Fluids Clean or slightly polluted without any solid particles and fiber inside.

Operating Limits

- Q : up to 1800 m³/h
- up to 100 mWc
- from -20 °C up to +140 °C
- P : max. 16 bar

Application Fields

- Raw Water Supply
- Drinking Water Supply
- Industrial Applications
- Irrigation
- Hot & Cold Water Circulation
- Sea & Pool Water
- Condense Systems
- · Fire Fighting Systems
- · Petrolium combinations without solid particles



GP Series Single Stage Centrifugal Process Pumps

Pumped Fluids Process fluids containing limited solid particles in.

Operating Limits

- Q : up to 650 m³/h
- up to 100 mWc
- from -20 $^{\circ}$ C up to +140 $^{\circ}$ C P : max. 16 bar

Application Fields

- Industrial Water Supply
- Petrochemical Industry
- · Petrolium and composites Chemical Processes
- Agressive Fluids Abressive Fluids
- High Viscosity Fluieds
- Enviromental Eng. Processes



Single Stage Hot Water Process Pumps

Pumped Fluids Clean or slightly polluted without any solid particles and fiber inside.

Operating Limits

- Q : up to 1800 m³/h
- H : up to 100 mWc
- : up to 200 °C
- P : max. 40 bar

Application Fields

GSP Series

Pumped Fluids

Operating Limits

P · max 16 bar

Application Fields

Rain Water Drainage

Q : up to 3000 m³/h

: up to 90 mWc

from -20 °C up to +140 °C

• Pumping of Domestic and Industrial

Water with Solid Particals

Waste Water Treatment Plants

Every Kind of Drainage and

Dewatering Applications

Sewage and Drainage Pumps

Raw or processed fluids including solid particals &

fiber such as dirty water & sewage with mud & sand.

- · Petroleum refining, production and distribution
- Petrochemical and demanding chemical processing
- High temperature applications including
- boiler circulation · General industrial applications requiring
- high temperature and high pressure
- Geothermal Power plants



GDS Series

Double Suction Split Case Pumps

Pumped Fluids

Low viscosity, without any fiber and solid particles inside, clean or about clean fluids.

Operating Limits

- Q : up to 20.000 m³/h
- up to 230 mWc
- from -20 °C up to +140 °C P: up to 50 bar

Application Fields

- Raw Water Supply
- Drinking Water Supply
- Industrial Applications
- Irrigation
- Hot & Cold Water Circulation
- Sea & Pool Water
- Condense Systems
- Fire Fighting Systems

VMF & VAF Series

fluids, geothermal waters,

Q: up to 4000 m³/h

H : up to 380 mWc

: up to 200°C

P : max. 40 bar

Operating Limits (VMF)

Operating Limits (VAF)

Q : up to 25.000 m³/h

up to 200°C

H : up to 60 mWc

Application Fields

Industrial process pumps

Geothermal applications

Seawater and raw water intake

Utility circulating water pumps

Condenser circulating water pumps

P : max. 40 bar

Cooling water

Ash sluice

Fire-fighting

Pumped Fluids

Vertical Radial&Mix-Flow Turbine Pumps

Clean or slightly dirty waters, raw or processed

· Petrolium combinations and Fluids without solid particles



GSP - MK Series Heavy Duty Mineral & Slurry Pumps

Pumped Fluids

Sand coal marble dust and heavy metal particles impeller construction with high solids concentration.

Operating Limits

- Q : up to 16.200 m³/h
- up to 100 mWc
- from -20 °C up to +120 °C
- P : max. 16 bar

Application Fields

- Mining and mineral processing
- Highly abrasive slurries Slurry transfer
- Cvclone feed
- Mine tailings
- Sand and gravel processing
- Industrial processing
- Coal and power plant ash
- Mining duty abrasive slurries
- Fertilizer Pulp & paper Lime slurry



GSP - KS Series

Slurry Pump With Vertical Shaft & Column Pipe

Pumped Fluids

Sand, coal, marble dust and heavy metal particles. impeller construction with high solids concentration.

Operating Limits

Q : up to 1600 m³/h

P : max. 10 bar

Application Fields

Slurry transfer

Cvclone feed

Highly abrasive slurries

Marble Processing Plants

Sand and gravel processing

Mining duty abrasive slurries

Industrial processingCoal, iron, steel & power plant ash

Fertilizer • Pulp & paper • Lime slurry

: up to 40 mWc

from -20 $^{\circ}$ C up to +120 $^{\circ}$ C

Mining and mineral processing





Multistage Centrifugal Pumps

GMS Series

Pumped Fluids

P: up to 60 bar

Irrigation systems

Sea & Pool Water

Condens systems

GEP Series

Pumped Fluids

H : up to 8 mWc

P : max. 6 bar

Chemistry

Water treatment

Food industry

: up to 140 °C

Low viscocity, without any fiber and

Operating Limits Q : up to 650 m³/h H : up to 500 mWc : from -10 °C up to +110 °C

solid particles inside, clean or about clean fluids.

Application Fields Raw water supply

 Drinking water supply Industrial pumping applications

Hot & Cold Water Circulation

 Fire fighting systems · Petrolium combinations and Fluids without solid particles



Axial Flow Propeller (Elbow) Pumps

Corrosive abrasive crystallize process fluids with / without solid content

Operating Limits Q : up to 35.000 m³/h

Application Fields Metallurgy and mining • Pulp and paper industry

Biomass applications

• Other industrial applications



HMS Series

Multistage High Pressure Centrifugal Pumps

Pumped Fluids

Low viscocity, without any fiber and solid particles inside, clean or about clean fluids.

Operating Limits

- Q : up to 900 m³/h
- : up to 630 mWc
- from -10° C up to $+110^{\circ}$ C P : 60 bar • 100 bar (in special cases)

Application Fields

- General Water Supply Systems Pressurising
- Irrigation & Spring Systems
- Heating Systems
- · Boiler Feeding & Hot Water & Circulation
- Filter Systems Solvents
- Fire Fighting Systems
- Reverse Osmosis
- Energy Plants Condense Water

GDP KS Series

Pumped Fluids

Operating Limits

Q : up to 500 m³/h

H · up to 100 mWc

Application Fields

Cyclone feed

Slurry tranfer

Highly abrasive slurries

Marble processing plants

T : up to 40 °C

water, slurry with particles

Submersible Heavy Duty Slurry Pumps

P : max. 2 bar (immersion depth)

Minning and mineral processing

Sand and gravel processing
Coal, iron, steel and power plant ash

Fertilizer, Pulp&Paper, Lime slurry

Raw and process water, sewage and drainage



CMS Series

Counter Impeller Splitcase Pumps

Pumped Fluids Low viscosity, without any fiber and solid particles inside, clean or about clean fluids.

Operating Limits

- Q : up to 650 m³/h
- : up to 350 mWc
- : from -10 °C up to +140 °C P : 40 bar • 60 bar (in special cases)

Application Fields

- Industrial Applications Raw water supply
- Fire Fighting Systems
- Energy Central

GNM Series

Pumped Fluids

Operating Limits

Q : up to 300 m³/h

P : max. 10 bar

Application Fields

Raw Water Supply

Sea & Pool Water

Condense Systems

Fire Fighting Systems

Irrigation

Drinking Water Supply

Industrial Applications

Hot & Cold Water Circulation

Petrolium combinations without solid particles

up to 90 mWc

Clean or slightly polluted without

any solid particles and fiber inside.

from -20 °C up to +140 °C

Single Stage, End Suction Monoblock Pumps

ED Series

Submersible Propeller Pumps

Pumped Fluids They are used for clean or about clean fluids not including long fibers.

Operating Limits

Q : up to 7.200 m³/h H : up to 10 mWc T : from -20 °C up to +40 °C

P : max. 2 bar

Application Fields

- Rain floods Drainage water
- Rivers
- Channels
- Sea water
- Pool water
- Pumping low head, high capacity waters without big particals inside



4" - 6" - 8" and 10" Sub. Pumps&Motors

Pumped Fluids

H : up to 650 mWc

Clean or slightly dirty (max. solid: 50 g/m3) waters

Operating Limits (Pump)

Q : up to 576 m³/h

t : up to 30°C n : 2950 rpm

Operating Limits (Motor)

- P : from 1 HP up to 250 HP V : 220 V - 380 V - 450 V
- T : 30 °C (50 °C special apps.)
- n : 2950 rpm
- F : 50 Hz 60 Hz

Application Fields

- Water supply for domestic use Water supply for industrial use
- Irrigation
- Circulation for clean water, demineralized water
- Boosting for clean water, demineralized water
- Lowering ground water level



GDP Series (Industrial & Domest

Sewage, Waste Water Submersible Pumps

Pumped Fluids

Raw and process water, sewage and drainage water, muddy and sandy water, treated water

Operating Limits

- Q : up to 200 m³/h (domestic)
- Q : up to 3000 m³/h (industrial) : up to 30 mWc (domestic)
- : up to 100 mWc (industrial)
- : up to 40°C
- P : max. 2 bar (immersion depth)

Application Fields

- Raw water supply
- Process fluids Household and industrial waste water with solids inside
- Sewage water
- Rain water Circulation systems

SKV Series

Operating Limits

Application Fields

and fibrous particles.

process plants.

GGG40 (body)

1.4301 (knife)

PTFE (gasket)

Materials

Pressure

Knife Gate Mud and Process Valves

Nonimal Diameters : DN 50 - DN 600

Temperature Limits $: -15 \sim 140 \ ^{\circ}$ C

: PN 10

They are used to control the flow of the agressive

and/or sticky, viscous fluids even including solid

Their automatic and manuel control options

them very reliable to be used for waste water

treatment and transfer systems and chemical

and zero head loss at full open position, makes

- Every kind of drainage systems
- Apartments, Hotels, Hospitals, Holiday Resorts