





operational efficiency are what matter the most when you work underground. Robust, hard-working and dependable, Grundfos dedicated mining products fit that bill and are the perfect fit for the world's toughest conditions. Meet a few of our underground stars here and find out why they are making a big difference in the mining industry.

CR/T/N

Designed to resist aggressive, corrosive liquids the CR/T/N series comprises some of our most flexible, all-round pumps for a wide range of mining applications:

- Available in four different materials – cast iron, two grades of stainless steel and all-titanium
- Customisable with a variety of shaft seals
- High efficiency motor
- Able to produce up to 50 bar of pressure

DWK

The DWK range features robust, high-efficiency dewatering pumps, ideal for temporary installation in pits:

- Solid cast-iron construction and narrow design
- High efficiency motor
- Available in high chrome stainless steel impeller
- MP204 available as an optional pump control

NBG/NKG

The NBG/NKG end-suction pumps are made from stainless steel and suitable for a variety of different mining applications requiring reliable, cost-efficient supply:

- Ideal water treatment processes
- Excellent corrosion-resistant properties
- Available with double seals for pumping of abrasive and aggressive liquids

SP

An industry favourite for almost 50 years, Grundfos SP submersible pumps are renowned for their high efficiency and unsurpassed reliability:

- 100% stainless steel
- High resistance to sand and other abrasive materials
- Motor burnout protection
- Easy maintenance

DIG INTO A POOL OF GLOBAL REFERENCES

Open-pit nickel mine in Talvivaar

Finland

Applications: Dewatering, pond/dust suppression, heap Leaching, water intake, wastewater Products: AP, KP, S-range, CR(N), Hydro MPC, DME, SP, SQE, MTR.

Sandstone ore bodies

Kazakhstan

Applications: Intake and monitoring Products: SP, CRNE, MTR, MP204

Iron Ore mine

South Africa

Application: Peripheral Dewatering Pumps: SP

Coal mine

South Africa

Applications: Open Pit Dewatering, Potable Water Supply, Potable plant water
Pumps: DWK, NK, booster sets

Platinum mine

South Africa

Applications: Shaft water booster pumps, Underground dewatering pumps Pumps: DWK, CR

Gold mine

South Africa

Application: Plant Fire control Pumps: NK, CR

Copper mine

Zambia

Sewage treatment works
Pumps: SV pumps with guide rails and duck foot connectors

Open pit Iron Ore

Australia

Applications: Dewatering, pond/dust suppression, heap Leaching, water intake, wastewater Products: SP/SP-R

Open pit Iron Ore

Australia

Applications: Dewatering, Pressure boosting Products: SP/SP-N, Minescope Hydro MPC

Open pit Coal mine

Australia

Applications: Underground water transfer Products: SPN

Open pit Coal mine

Australia

Applications: Raw water transfer Products: S-pumps

COVERING YOUR EVERY REQUIREMENT ON SITE

RAW WATER INTAKE

At Grundfos, we understand that no two mining operations are alike. With hundreds of variables coming into play, defining and implementing a solution has to be done with the utmost precision and care. Our complete solution approach includes pumps for surface, open pit and underground mining. And our CUE frequency converters make it very easy to set up, optimise and regulate an entire

system in just a few steps. In short, Grundfos pumps are built to last – even under the toughest working

See the complete selection of mining pumps on the next page, or visit us online at grundfos.com for more information.



SUBMERSIBLE PUMPS



Flow, Q: max. 468 m³/h max 810 m Head, H: Liquid temp. max. +60 °C

Stainless steel (AISI 316) Stainless steel (AISI 904L)



DW/DWK

CONTRACTOR PUMPS



Flow, Q: max 102 m 0 °C to +40 °C



NB/NBG/NK MAXA/MAXANA

SINGLE-STAGE STANDARD PUMPS



Flow, Q: max. 1000 m³/h Head, H: max 160 m Liquid temp. -25 °C to +140 °C max. 16 bar (NB/NBG/NK)

(NB/NBG/NK): Cast iron and Stainless steel (MAXA/MAXANA): Stainless steel (EN 1.4404.316L)



CR/CRN/CRT

MULTISTAGE CENTRIFUGAL PUMPS



Flow, Q: max. 180 m³/h Head, H: max 470 m -40 °C to +180 °C

Cast iron GG20 or GGG50

Stainless steel (FN 14301(304))



HORIZONTAL SPLIT CASE PUMPS

Flow, Q: Head, H: Liauid temp.: Operat. pressure:

HS

max. 148 m 0 °C to +100 °C 10-16 bar

Casing: Ductile iron (PN16) or cast iron (PN10) Sleeve/wear ring: Bronze or stainless steel Shaft: Stainless steel (AISI 420) Impeller: Bronze, aluminium bronze or stainless stee



HYDRO MPC

HYDRO BOOSTER SETS

Flow, Q: max. 55 m 0 °C to +70 °C

CRI(E): Stainless steel CR(E): Cast iron and stainless steel



MOTOR-DRIVEN AND PISTON DIAPHRAGM DOSING PUMPS

Flow, Q (DMX): Flow, Q (DMH

(DMX226, DMX227 + DMH) Robust cast iron housing option (DMH)



MTR

MULTISTAGE CENTRIFUGAL IMMERSIBLE PUMPS

Flow, Q: max. 85 m³/h Head. H: max. 238 m Liquid temp. -20 °C to +90 °C

Cast iron

Stainless steel (AISI 304)



SE1/SEV SL1/SLV

Flow, Q: Discharge diameter: Rp 2 to DN 65

0 °C to +40 °C



BMS hs/BMST/ **BMSX**

HIGH-PRESSURE BOOSTER SYSTEMS

max. 120 m³/h



AMD/AMG

INTERMEDIATE-SPEED MIXERS WITH PLANETARY GEAR DRIVE

Flow, Q (AMD): Flow, Q (AMG):

Propeller Speed (rpm) (AMD): 675-710 rpm Propeller Speed (rpm) (AMD): 325-354 rpm Liquid temp. (AMD/AMG): 5 °C to +40 °C

max. 1435 m³/h

Stainless steel

Grundfos offers a complete range of max. 6985 m³/h pumps controls, frequency converters, motor protection units, sensors, and monitoring solutions.

the Grundfos monitoring and control products offer substantial savings in installation, maintenance, service cost, energy consumption, as well as in the day-to-day operation.



Liquid temp.:

0 °C to +40 °C



MONITORING **AND CONTROLS**

CUE, MPC, MP204, DEDICATED CONTROLS

In combination with Grundfos pumps,





WHY CHOOSE GRUNDFOS AS YOUR MINING PARTNER?

- The biggest pump manufacturer in the world with over 16 million pumps produced every year
- Present with 80 sales and service companies in 51 countries, which also ensures presence in all the major mining markets in the world
- Cutting-edge technology based on the largest R&D budget in the industry with focus on optimising energy efficiency
- Grundfos iSOLUTIONS offer remote communication and complete control of the pump solutions, e.g. monitoring of liquid levels, automation of pumps, detailed log files as well as warnings/alarms.