

OPTIMIZED INDUSTRIAL SOLUTIONS

Pumps and systems for today's
process and water challenges



OPTIMIZED SOLUTIONS FOR THE ENTIRE INDUSTRIAL PLANT

Grundfos and its legacy brands provide a comprehensive range of optimized industrial solutions for the North American process and utility market. Grundfos is a full-line supplier of reliable products and robust service offerings for both process applications and general applications, including the following:



FOOD & BEVERAGE

For every conceivable pump application in food processing and manufacturing, the full-line Grundfos range gives you better peace of mind and optimal compatibility. With features including stable temperature control and process control.



CHEMICALS

The complex liquid composition – for example with varying viscosity, chemicals and temperature – in many industrial processes puts pumps at risk. Grundfos' and Labour Taber's wide range of material variants and pumps for specialized applications, such as dosing, protects against corrosion and cavitation in the pump.



GENERAL INDUSTRY

Grundfos supplies a broad range of pump systems and solutions to maintain industrial processes, pumping water and other media as required. Customization and engineering are one of our strengths, and we supply different material variants as required, such as CIP process or complex liquid composition.



OIL & GAS

The full-line Grundfos range caters to the specific needs of oil and gas applications. Our range has models specifically designed to handle viscous, hazardous substances and sensitive processes – all with maximum care and effectiveness.



BOILER FEED

Grundfos' thoroughly tested, variable frequency drive pumps optimize the boiler feed process. Customized with low NPSH, these solutions cater to systems with poor inlet conditions. This ensures cavitation-free operation even outside the pump's normal duty range. Grundfos' air-cooled top shaft seal solution eliminates the need for external cooling in high temperature applications.



WASHING & CLEANING

Offering a wide temperature range and suitable for the pumping of corrosive media. Grundfos' reliable, compact pumps are ideal for washing and cleaning applications. High efficiency, smart motors perfectly control the process with low energy consumption.



COOLING & THERMAL

The range includes numerous pump types for cooling and heating applications, water-borne as well as various other media. Solutions for high-temperature applications are also available. All pumps can be supplied with variable frequency drive motors, offering major advantages in terms of dimensioning and energy savings.



WATER & WASTEWATER TREATMENT

All pumps in water and wastewater treatment can be combined in an intelligent way, offering highly accurate dosing of additives prior to or during the treatment process and are state-of-the-art and highly energy efficient. What makes Grundfos pumps outstanding in treatment processes is their ability to operate flawlessly, even when continuously exposed to aggressive media or demanding environments.

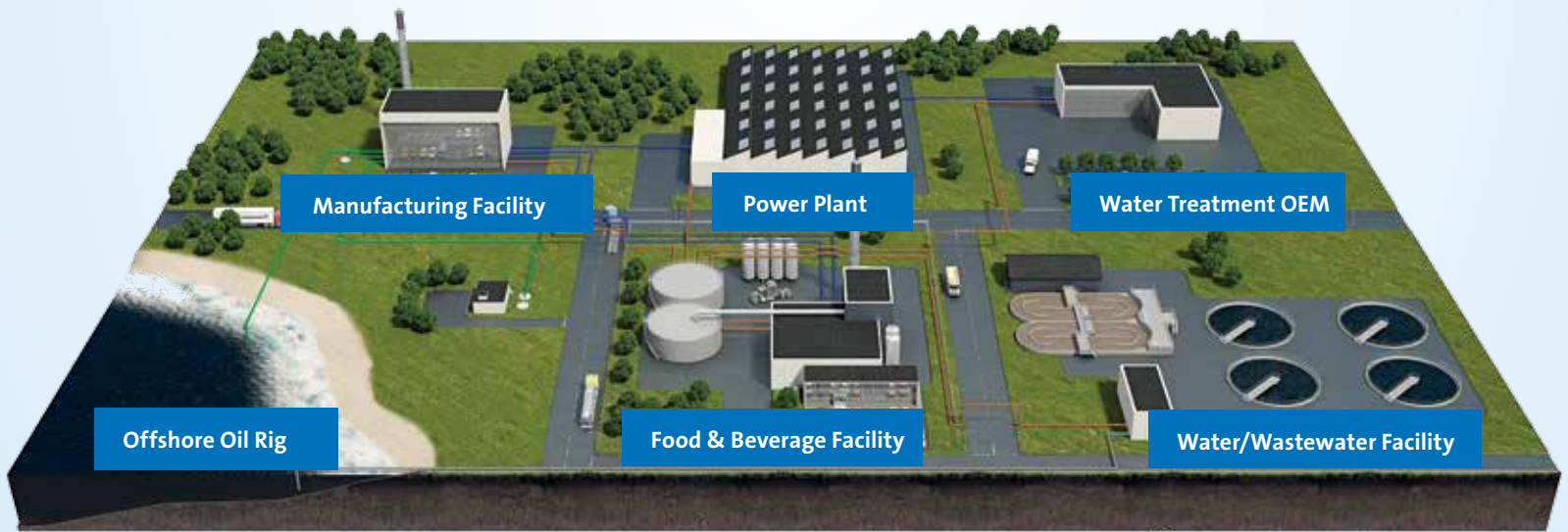


FIRE PROTECTION

Grundfos designs and delivers fire protection solutions ranging from simple pump-driven systems to highly innovative engineered and packaged systems that comply with all relevant fire standards, including ULFM and NFPA 20 certifications.

PUMPS AND PRODUCTS FOR EVERY APPLICATION

From water supply and wastewater treatment to boiler, cooling and thermal control, washing and cleaning, fire and water treatment, Grundfos is a full -line supplier of reliable products and robust service offerings for each process application; including, but not limited to food and beverage, oil and gas, power, machine tool, refrigeration, chemicals and mining. The applications on the left can be utilized in many Industrial settings, including the examples shown below.



GRUNDFOS ENGINEERED SYSTEMS

Grundfos Engineered Systems (GES) can provide integrated pumping system solutions using any of the products in our Industrial portfolio, available in skidded and non-skidded versions. By combining our industry leading pump controllers with pumps and systems from our wide range of brands, Grundfos creates optimized, packaged solutions for the most demanding application and environmental needs. GES provides the most efficient and cost effective solutions to customers' unique pumping requirements, meaning Grundfos has a perfect offering for every Industry demand.

GES offers comprehensive support and services, including:

- Application expertise across multiple markets and industries
- Complete, single source responsibility
- State-of-the-art engineering designs
- Value added services
- Reduced installation costs
- Worldwide technical support

OVERVIEW OF PROCESS APPLICATIONS



FOOD & BEVERAGE



BM, BMS

Booster module with directly coupled pump and variable frequency drive



CM, CME

Non-self-priming, horizontal, multistage, end-suction centrifugal pumps



CR, CRE

Energy efficient vertical inline multi-stage pumps



CRN

High pressure, multipurpose pump



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



DME

Dosing pumps that combine perfect precision with user-friendliness for large dosing quantities from 15.9 to 248gph



DMH

Robust dosing pumps for reliable and high pressure applications up to 2900 psi.



DMX

Mechanical diaphragm metering pumps



Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



LC, LCS, LCSE

Compact single stage, end suction, split coupled PACO pump available with integrated Grundfos MLE motor, drive and control



LF, LFE

Frame mounted end suction PACO pumps available with integrated MLE variable speed motor to optimize energy efficiency



Hydro MPC BoosterpaQ

Our premier fully integrated pre-engineered packaged pumping system with advanced control capability and energy efficient vertical inline multi-stage pumps



TPE

Vertical in-line pump featuring a motor with built-in frequency converter



F,C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



CHEMICALS



CM, CME

Non-self-priming, horizontal, multistage, end-suction centrifugal pumps



CR, CRE

Energy efficient vertical inline multi-stage pumps



CR-H, CRN-H, CRE-H, CRNE-H

Inline multi-stage pumps for an ANSI dimensional solution



CRN MAGdrive

Vertical inline multi-stage pump with magnetic drive for aggressive liquids



DMH

Robust dosing pumps for reliable and high pressure applications up to 2900 psi.



DMX

Mechanical diaphragm metering pumps



Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



LVA, TFA

ANSI process pumps that withstands corrosive and abrasive liquids



F,C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



Peerless 8196

Heavy duty ANSI process pump that withstands abrasive and corrosive liquids



Peerless Fire Systems

Market-leading Peerless-brand fire pump units, systems, and housed packaged systems



TU, TUT

Multi-stage, single suction, horizontal pumps



VT

Highly efficient vertical turbine pump provides a wide range of hydraulic and mechanical coverage; offered in numerous material and design



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



GENERAL INDUSTRY

INCLUDING MACHINE TOOL
& REFRIGERATION



Peerless 8196

Heavy duty ANSI process pump that withstands abrasive and corrosive liquids



Peerless 8175

Heavy-duty industrial paper stock slurry pumps



LVA, TFA

ANSI process pumps that withstands corrosive and abrasive liquids



Peerless 8796

Self-priming industrial pumps



CR-H, CRN-H, CRE-H, CRNE-H

Inline multi-stage pumps for an ANSI dimensional solution



KP, KPV, KPVS

Horizontal and vertical PACO split case pumps. KPVS offers vertical split coupled design in small footprint.



CR, CRE

Energy efficient vertical inline multi-stage pumps



CRN MAGdrive

Vertical inline multi-stage pump with magnetic drive for aggressive liquids



VT

Highly efficient vertical turbine pump provides a wide range of hydraulic and mechanical coverage; offered in numerous material and design



F,C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



TU, TUT

Multi-stage, single suction, horizontal pumps



MTA

Low-pressure pumps specifically designed for filtering systems in the machine tool industry



AE

Single stage, double suction pumps available in 42 hydraulic configurations and 25 pump sizes



MTR, MTC

Vertical, multistage pumps designed for cooling lubricants and condensate transfer



LC, LCS, LCSE

Compact single stage, end suction, split coupled PACO pump available with integrated Grundfos MLE motor, drive and control



SP

Submersible pumps renowned for high efficiency and reliability



LF, LFE

Frame mounted end suction PACO pumps available with integrated MLE variable speed motor to optimize energy efficiency



Taber Vertical

Self priming vertical process pump



OIL & GAS



CR, CRE

Energy efficient vertical inline multi-stage pumps



CR-H, CRN-H, CRE-H, CRNE-H

Inline multi-stage pumps for an ANSI dimensional solution



DMH

Robust dosing pumps for reliable and high pressure applications up to 2900 psi.



DMX

Mechanical diaphragm metering pumps



Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



Peerless 8196

Heavy duty ANSI process pump that withstands abrasive and corrosive liquids



TU, TUT

Multi-stage, single suction, horizontal pumps



SP

Submersible pumps renowned for high efficiency and reliability



Hydro MPC BoosterpaQ

Our premier fully integrated pre-engineered packaged pumping system with advanced control capability and energy efficient vertical inline multi-stage pumps



LVA, TFA

ANSI process pumps that withstands corrosive and abrasive liquids



LC, LCS, LCSE

Compact single stage, end suction, split coupled PACO pump with integrated Grundfos MLE motor, drive and control



LF, LFE

Frame mounted end suction PACO pumps available with integrated MLE variable speed motor to optimize energy efficiency



AEF

Peerless horizontal split-case fire pump



F,C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



VT

Highly efficient vertical turbine pump provides a wide range of hydraulic and mechanical coverage; offered in numerous material and design

OVERVIEW OF GENERAL APPLICATIONS



**BOILER
FEED**

**WASHING &
CLEANING**

**COOLING &
THERMAL**



BM, BMS

Booster module with directly coupled pump and variable frequency drive



CM, CME

Non-self-priming, horizontal, multistage, end-suction centrifugal pumps



CR, CRE

Energy efficient vertical inline multi-stage pumps



CRE Plus

A simplex energy efficient vertical inline multi-stage plug-and-pump system with control capability through an integrated VFD



CR-H, CRN-H, CRE-H, CRNE-H

Inline multi-stage pumps for an ANSI dimensional solution



CRN MAGdrive

Vertical inline multi-stage pump with magnetic drive for aggressive liquids



MTA

Low-pressure pumps specifically designed for filtering systems in the machine tool industry



MTR, MTC

Vertical, multistage pumps designed for cooling lubricants and condensate transfer



VL, VLS

Space-saving PACO inline pumps with integrated motor, variable frequency drive and control with Grundfos sensor technology



TP, TPE

Single-stage, in-line centrifugal pumps



DME

Dosing pumps that combine perfect precision with user-friendliness for large dosing quantities from 15.9 to 248gph



DMH

Robust dosing pumps for reliable and high pressure applications up to 2900 psi.



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



DMX

Mechanical diaphragm metering pumps



Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



LCS, LCSE

Compact single stage, end suction, split coupled PACO pump with integrated Grundfos MLE motor, drive and control



LF, LFE

Frame mounted end suction PACO pumps available with integrated MLE variable speed motor to optimize energy efficiency



KP, KPV, KPVS

Horizontal and vertical PACO split case pumps. KPVS offers vertical split coupled design in small footprint.



Peerless 8196

Heavy duty ANSI process pump that withstands abrasive and corrosive liquids



Peerless 8175

Heavy-duty industrial paper stock slurry pumps



Peerless 8796

Self-priming industrial pumps



F,C

General purpose, frame mounted, end suction pumps flexibly coupled to drivers and equipped with coupling guards



AE

Single stage, double suction pumps available in 42 hydraulic configurations and 25 pump sizes



TU, TUT

Multi-stage, single suction, horizontal pumps



Control MPC

Advanced controller for motoring and control of up to 6 pumps



WATER & WASTEWATER TREATMENT



FIRE PROTECTION



BM, BMS

Booster module with directly coupled pump and variable frequency drive



CM, CME

Non-self-priming, horizontal, multistage, end-suction centrifugal pumps



CR, CRE

Energy efficient vertical inline multi-stage pumps



DME

Dosing pumps that combine perfect precision with user-friendliness for large dosing quantities from 15.9 to 248gph



DMH

Robust dosing pumps for reliable and high pressure applications up to 2900 psi.



SMART Digital

Intelligent dosing pumps with a new drive and adjustments mechanisms



DMX

Mechanical diaphragm metering pumps



OXIPERM PRO

Chlorine dioxide production systems for fighting Legionella and other germs in drinking water



Dosing Skid System

Complete chemical-feed packaged systems featuring the latest technology from Grundfos Dosing



Dosing Tank Station

Intended for storing and dosing liquid chemicals. Many different configurations can be selected and applied flexibly to fulfill various dosing tasks



SL Range

Submersible pumps designed to handle sewage, effluent and large volumes of surface and process water



S Range

Designed for pumping raw water, unscreened raw sewage, water containing sludge and industrial effluent



SEG

Submersible grinder pump for pumping effluent and sewage in small communities or areas without sewer systems



Sewer Chewer

Wastewater and sludge grinder featuring state-of-the-art twin-shaft design



VT

Highly efficient vertical turbine pump provides a wide range of hydraulic and mechanical coverage; offered in numerous material and designs



SMD, SMG, SFG

Mixers and flowmakers prevent sedimentation and support processes in a variety of applications



SRG

Created to handle large flows against low head



Hydro MPC BoosterpaQ

Our premier fully integrated pre-engineered packaged pumping system with advanced control capability and energy efficient vertical inline multi-stage pumps



AEF

Peerless horizontal split-case fire pump



TUF, TUTF

Peerless horizontal split-case multi-stage fire pump



PVF

Peerless inline fire pump



Peerless Fire Systems

Market-leading Peerless-brand fire pump units, systems, and housed packaged systems



VTF

Peerless vertical turbine fire pump



FireConnect

Cloud based monitoring system allows user to remotely monitor and manage fire pump systems

GRUNDFOS TECHNICAL INSTITUTE

The Grundfos Technical Institute (GTI) offers busy professionals the opportunity to maintain their continuing education credits through a wide variety of flexible learning avenues.

Visit www.grundfos.us/training, to choose from a number of education possibilities that suit your needs and schedule, including face-to-face classes, group webinars and self-directed online courses.



BEYOND THE PUMP

Grundfos and its legacy brands provide a comprehensive range of customizable solutions and a holistic approach to industrial solutions. Grundfos has served North America for more than 40 years, flourishing from one small factory in Fresno, Calif., to 17 manufacturing, logistics, sales and service facilities throughout the region. Together, Grundfos, Paco, Peerless, Yeomans, Labour Taber, Sewer Chewer and Morris provide a complete portfolio of products for the North American industrial market.



GRUNDFOS PRODUCT CENTER

www.product-selection.grundfos.com

- Online sizing tool for quick pump selection and CAD drawings
- Easy-to-use service information on each pump
- Instant access to saved items, including complete projects
- Optimized for mobile devices



GRUNDFOS GO

The Grundfos GO Remote gives you intuitive handheld pump control and full access to the Grundfos online tools on the go. So get ready to save valuable time on pump control, data collection and reporting with the most comprehensive mobile platform on the market.

- Full control over pump performance
- Easy-to-access information and assistance
- Greater connectivity 24/7