



Integrated Solutions for the  
**Fuels & Chemicals**  
Industry



**ENPRO** INC.

>>> *A Relentless Ally for American Manufacturing*



# about us

**E**NPRO, INC. has been in the business of helping our customers solve their process problems for over 55 years. Our technically trained application engineers have expertise in diverse markets to meet the ever-changing business needs of our customers.

By representing leading manufacturers in separation technologies, instrumentation and process equipment, we are committed to providing our customers with innovative tailor-made solutions for their applications.

We combine the strength of our experience with the knowledge of our technologies to help our customers optimize their processes. ENPRO is the premier manufacturer's representative/distributor in each of the following markets:

- |                          |                   |
|--------------------------|-------------------|
| Alternate Fuels          | Injection Molding |
| BioPharmaceutical        | Microelectronics  |
| Cement                   | Mining            |
| Die Casting              | Power Generation  |
| Food & Beverage          | Primary Metals    |
| Fuels & Chemicals        | Printing          |
| Grain Processing         | Pulp & Paper      |
| Industrial Manufacturing | Refining          |





# fuels & chemicals

**F**or over 55 years, ENPRO has been serving the Fuels and Chemicals industry.

## COMPETENCE

ENPRO's sales and service personnel have a wealth of experience and knowledge. They complete a rigorous training program to ensure that our customers receive a full service solution. Our sales engineers are hands-on and are available at any time to offer maintenance or technical support.

## TECHNOLOGY

Our sales engineers regularly share with our customers the latest advancements in technology. This approach allows our customers to evaluate a variety of options and determine the best solution for their processes.

## PRODUCT RANGE

ENPRO represents manufacturers that have extensive experience in a wide range of industries within the Fuels and Chemicals market. The engineered products we represent are designed to assist our customers with their diverse applications.

ENPRO's field and service center teams are available 24/7 to repair and maintain equipment for our customers.

## EMERGENCY SERVICE AND PREVENTATIVE MAINTENANCE CAPABILITIES INCLUDE:

- > Air Operated Diaphragm Pumps
- > Chemical Metering Pumps
- > Chemineer Mechanical Seals
- > Compressed Air Dryers
- > Gearboxes
- > Heat Exchangers
- > Oil Purification Equipment
- > Protectoseal Tank Blanketing Valves

# 24/7 Service

# our products



## FILTRATION PRODUCTS

Gas Phase and Particulate Filtration Solutions

- ▶ HVAC and ASHRAE panel filters
- ▶ Removal of gases for corrosion control



## AMIAD, ARKAL AND PEP FILTRATION SYSTEMS

Media, Manual and Automated Self-Cleaning Filtration Systems

- ▶ Cooling tower bypass
- ▶ Prefiltration for RO systems



## HEAT EXCHANGERS

Gasketed Plate and Frame Heat Exchangers and Systems

- ▶ Oil cooling
- ▶ Process fluid heating







## MANUAL, PNEUMATIC AND ELECTRICALLY ACTUATED BALL AND BUTTERFLY VALVES

Carbon Steel and Stainless Steel Manual and Automated Ball and Butterfly Valves

- Block & bypass, isolation and shut-off valves
- Utility valves
- V-Notch control valves



## TANK CLEANING MACHINES

Versatile Tank Cleaning Nozzles and Systems

- Process vessels
- Railcars



## REPAIR AND INSPECTION SERVICES

Gearbox, Cable Drum and Large Gear Cutting

- Rotary mixer gearboxes
- Complex gear drive assemblies

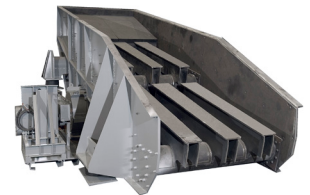




### VIBRATING BULK MATERIAL HANDLING EQUIPMENT

Bin and Storage Pile Dischargers and Feeders

- Resins
- Plastic pellets
- Finished parts



### NON INTRUSIVE METERS

Portable and Permanent Non-Invasive Meters for Liquids and Gases

- Flow
- BTU
- Concentration/Density
- Mass flow



### HIGH ACCURACY FLOW METERS

Flow Measurement Solutions for Liquids and Gases

- Turbine
- Positive displacement
- Ultrasonic
- MagMeters



### VALTEK AND KAMMER CONTROL VALVES

Globe and Rotary Control Valves, Positioners and Accessories for Chemical, Gas, Liquid and Steam Applications

- Process and utility control valves
- Severe service control valves
- Cooling water control





### SCREW CONVEYORS, BAG HANDLING AND FEEDERS

Flexible Screw, Tubular Drag and Vacuum Conveyors

- Rail/Truck loading
- Dry product addition to process tanks
- Bulk bag unloading



### STRAINERS, VALVES AND PIPELINE ACCESSORIES

Simplex and Duplex Basket and Custom Fabricated Strainers

- Pump and meter protection
- Cooling water purification
- Heat exchanger and condenser protection



### ELECTRICAL MEASUREMENT SOLUTIONS

Signal Conditioners, High Voltage Transducers, Sensor Transmitters and Isolators

- Direct measurement of AC and DC voltages up to 4800 volts
- Transmitters for temperature, strain gauges and potentiometers
- 3-Way isolation of input signals







# M4Knick



## INSTRUMENTATION

Process pH Solutions for Monitoring and Control

- ▶ Absolute and differential pH
- ▶ Conductivity
- ▶ ORP and dissolved oxygen
- ▶ Holders
- ▶ Transmitters
- ▶ Portable meters



# NETZSCH

## POSITIVE DISPLACEMENT PUMPS

Progressive Cavity, Multiple Screw and Rotary Lobe Pumps

- ▶ Transfer of high viscosity fluids
- ▶ Metering of slurries



# NOV

Service Center

## CHEMINEER PORTABLE AND SMALL TOP ENTRY MIXERS

Direct and Gear-Driven Portable Mixers from 1/4 HP to 5 HP

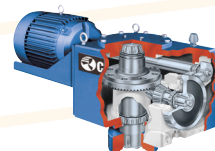
- ▶ Water treatment chemical mixing
- ▶ Drum mixing/blending applications



## CHEMINEER AND PROCHEM TOP AND SIDE ENTRY AGITATORS

Top and Side Entry Agitators Available in 13 Standard Drive Sizes from 1 to 1,000 HP

- ▶ Blending
- ▶ Solid suspension
- ▶ Gas dispersion
- ▶ High viscosity fluids





### GREERCO HIGH SHEAR MIXERS

High Shear Pipeline Homogenizer and Colloid Mill Mixers

- ▶ Liquid/Liquid or solid/liquid suspensions
- ▶ Blending



### KENICS STATIC MIXERS

Static Mixers for Liquids and Gases

- ▶ Blending reactants and catalysts
- ▶ Extrusion melt blending
- ▶ Dispersions



### PROCESS FILTERS

Depth Style, Traditional Fan Pleat, Crescent Pleat Filter Elements and Bag Filters

- ▶ Plating bath filtration
- ▶ Cooling water filtration
- ▶ RO prefiltration
- ▶ Chemical filtration and purification



### LIQUID/GAS AND LIQUID/LIQUID COALESCERS

Coalescing Filters for Low and High Flow Applications

- ▶ Burner tip protection
- ▶ Water removal from hydrocarbons
- ▶ Hydrocarbon removal from water





Pall Corporation



### PURIFIERS

Vacuum Dehydration Technology Designed to Remove Free and Dissolved Water from Hydraulic and Lubrication Oils

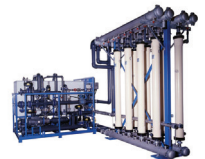
- Compressor lube oil purification
- Hydraulic and lube oil reservoir purification



### SEPARATION SYSTEMS

ARIA (MF/UF) Cross Flow Membrane Technology

- Incoming and boiler feed make-up water
- Oil/Water separation
- Wastewater



### HYDRAULIC AND LUBRICATION FILTERS

Disposable, Spin-On and Cleanable Hydraulic and Lube Oil Filter Elements

- Compressor lube oil and coolant filtration
- Directional/Proportional/Servo valve protection
- Bearing wear protection
- Hydraulic pump protection







### SLIDE GATE DIVERTER AND SHUTOFF VALVES

Manual and Automated Bulk Material Handling Valves

- ▶ Pneumatic conveying material flow control
- ▶ Metering of material onto belt conveyors
- ▶ Hopper or bin loading shutoff



### VAPOR CONTROL AND TANK SAFETY EQUIPMENT

Conservation Pressure/Vacuum Breather Vents, Emergency Vents, Flame Arresters, Detonation Arresters and Tank Blanketing Valves

- ▶ Storage tank pressure and vacuum breather vents
- ▶ Flame and detonation arresters
- ▶ Gas blanketing
- ▶ Thief hatches



### PULSA, PULSAR AND PULSAPRO SERIES® DIAPHRAGM METERING PUMPS

Metering Pumps Available with Different Pump Head Designs, Materials of Construction, Flow Rates and Pressures

- ▶ Water and waste water pH control
- ▶ Precise chemical and catalyst injection
- ▶ Process additive metering
- ▶ API 675 fully compliant pumps





### PULSATRON ELECTRONIC METERING PUMPS

Solenoid Metering Pumps with Flow Capacities from 3 to 500 GPD, with Manual or Automatic Controls

- Boiler treatment
- Cooling tower chemical metering
- Wastewater pH adjustment



### ECLIPSE® SERIES METALLIC AND NON-METALLIC GEAR PUMPS

Magnetic Drive Industrial Duty Sealless Pumps

- Acid transfer
- Water treatment chemical addition



Red Valve Company, Inc.

### EXPANSION JOINTS, MANUAL AND AUTOMATED VALVES

Pinch, Knife Gate and Check Valves

- Water
- Slurry
- Chemicals



### INDUSTRIAL SCREENERS

Gyrating Motion Single and Multistage Screeners

- Catalyst
- Resin
- Plastic regrind





# SPXFLOW

>Pneumatic Products

>Hankison

>Kemp



## HEATED, HEATLESS AND REFRIGERATED AIR DRYERS

Compressed Air Purification and Specialty Gas Dryers

- ▶ Instrument air
- ▶ Tank blanketing
- ▶ Breathing air
- ▶ Bag house blowback dryers
- ▶ Plant air



# TELEDYNE ANALYTICAL INSTRUMENTS

## GAS AND LIQUID ANALYZERS

Portable, Panel Mount and Custom Built Analyzer Systems

- ▶ Portable and on-line emissions monitoring
- ▶ Flue gas
- ▶ Oil in water
- ▶ Area monitoring



# TESCOM

## PRESSURE CONTROL SOLUTIONS

Pressure Reducing and Back Pressure Manual and Electronically Controlled Regulators

- ▶ Double mechanical seal barrier fluids
- ▶ Analyzer sampling systems
- ▶ Vaporizing regulators







### CORIOLIS MASS FLOWMETERS

Industrial and Sanitary Coriolis Mass Flowmeters

- ▶ Batch flow control for tank load out
- ▶ Precise material or chemical addition/blending



### COMBINATION MAGNETIC INDICATOR AND RADAR LEVEL MEASUREMENT

Single and Dual Chamber Bridle Systems

- ▶ Process tanks
- ▶ Separators
- ▶ Surge drums
- ▶ Boiler drum condensate
- ▶ Decanter interface
- ▶ Distillation columns
- ▶ Knock-Out pot indication



### NON-CONTACT CONTINUOUS LEVEL MEASUREMENT

Liquid and Solid Level Measurement Technology

- ▶ Storage tank level
- ▶ Sump level
- ▶ Pellet and resin storage silos
- ▶ Dry product storage
- ▶ Surge bin level





## PRESSURE MEASUREMENT

Liquid and Gas Pressure Measurement

- Process and hydrostatic pressure measurement
- Abrasive and corrosive applications
- Electronic differential pressure (EDP)



## POINT LEVEL MEASUREMENT

Vibrating and Capacitance Probe Technologies for Liquids and Solids

- High and low point level
- Pump run dry protection
- Overflow protection



## NUCLEAR CONTINUOUS LEVEL, POINT LEVEL AND DENSITY MEASUREMENT

Radiation-Based Level and Density Detection

- Plug chute detection
- Density measurement
- Non-Invasive continuous level applications





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