


# General Product Portfolio

## Pump & Booster Systems

ETNA®

# Circulation Pumps

## Wet Rotor, Frequency Controlled, Circulation Pumps




### ECP Series

+ Frequency-controlled circulation pumps for hot and cold water circuits in heating systems, in compliance with the European Union's Ecodesign ErP 2009/125/EC directive on eco-design.
+ Maximum Flow: 12 m³/h
+ Maximum Pressure: 12 mwc
+ Maximum Operating Pressure: 10 bar
+ Connection: Socket Connection
+ Fluid Temperature: -10 °C ~ +110 °C
+ Energy Efficiency: EEI < 0.23



## Wet Rotor, Frequency Controlled, Circulation Pumps

### ECP-F Series

+ Frequency-controlled circulation pumps for hot and cold water circuits in heating systems, in compliance with the European Union's Ecodesign ErP 2009/125/EC directive on eco-design.
+ Maximum Flow: 68 m³/h
+ Maximum Pressure: 18 mwc
+ Energy Efficiency: EEI < 0.23
+ Flange Connection: DN32-DN100
+ Maximum Operating Pressure: 10 bar
+ Connection: Socket Connection
+ Fluid Temperature: -10 °C ~ +110 °C

## In-Line Dry Rotor Circulation Pumps



### EILR & EILR-HF Series

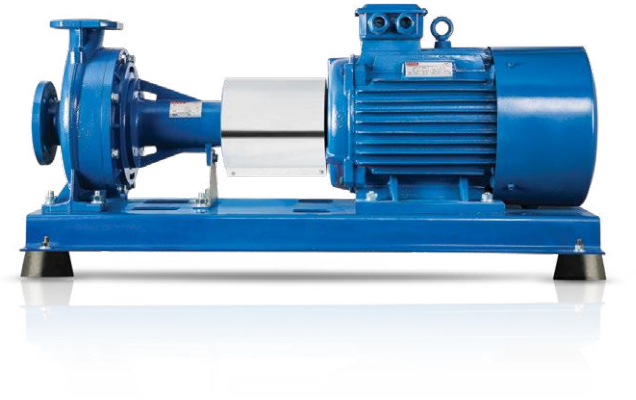
+ Used in hot or cold water circulation circuits in domestic and industrial heating, cooling, air conditioning and plumbing systems, they can be connected directly to the system with an in-line connection.
+ Maximum Flow: 280 m³/h
+ Maximum Pressure: 103 mwc
+ Maximum Operating Pressure: 16 bar
+ Connection: DN 40 - DN 125
+ Fluid Temperature: -10°C ÷ +130°C
+ 2- and 4-pole engine options

The flow and pressure values specified in the brochure are for 50 Hz, 2900 rpm. We kindly request you to contact our company for your 60 Hz requests.
ETNA reserves the right to make changes to its products and accessories. Please contact us for details.

# Centrifugal Pumps

## Horizontal End Suction Centrifugal Pumps

### EA Series



+ End suction, horizontal, single-phase centrifugal pumps compatible with DIN EN 733 combine high performance with a durable design.
+ End-suction centrifugal pump group has 3 coupling variations: EA series with bare shaft, EAR series with rigid coupling and EAS series with back pull-out coupling.
+ Maximum Flow: 480 m³/h
+ Maximum Pressure: 155 mwc
+ Connection Diameter: DN32 - DN200
+ Fluid Temperature: -10°C ÷ +120°C

## Double Suction, Split Case Pumps



### ESC Series

+ ESC Series high-efficiency, high-resistance, double-suction, split-case centrifugal pumps offer superior performance in applications requiring high flow rates.
+ Having double-suction feature which reduces axial forces, the pump's suction and discharge flanges are on the same axis.
+ The pump has two parts (top and bottom) which are connected with bolts.
+ Thus, maintenance repair operations are easily carried out by removing these bolts without disconnecting the pump from the piping.
+ Maximum Flow Rate: 1250 m³/h
+ Maximum Pressure: 225 mwc
+ Connection Diameter: DN80 - DN200
+ Fluid Temperature: 0 ÷ +120 °C

## Cast Iron, Horizontal Multistage Centrifugal Pumps

### EKP Series







+ It is suitable for use in commercial buildings, industrial applications and agricultural irrigation systems where high flow and pressure requirements are required.
+ Improved hydraulic design guarantees maximum efficiency and low energy consumption.
+ Maximum Flow Rate: 190 m³/h
+ Maximum Pressure: 450 mwc
+ Fluid Temperature: 0 ÷ +120 °C
+ Pump Body: GGG40 Cast Iron
+ Inlet-Outlet Body: GGG40 Cast Iron
+ Impeller: GGG40 Cast Iron
+ Pump Shaft: AISI420 Stainless Steel

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# Pump & Booster Systems

## Vertical Multistage Centrifugal Pumps



### KO Series

+ High quality, vertical shaft, multistage, high efficiency pumps.
+ Pump Body: GG25 Cast Iron
+ Fan & Diffuser: Noryl
+ Pump Shaft AISI420 Stainless Steel
+ Maximum Flow: 60 m³/h
+ Maximum Pressure: 200 mwc
+ Maximum Liquid Temperature: +40°C

## Complete Stainless Steel Vertical Multistage Centrifugal Pumps



### KI and KO-ST Series

+ High quality, vertical shaft, multistage, high efficiency pumps.
+ Pump Body: AISI304 Stainless Steel
+ Fan & Diffuser: AISI304 Stainless Steel
+ Pump Shaft: AISI316 Stainless Steel (KI Series)
  AISI420 Stainless Steel (KO-ST Series)
+ Maximum Flow: 55 m³/h
+ Maximum Pressure: 312 mwc
+ Maximum Liquid Temperature: +100°C



## Variable Speed Boosters

### HF KO Series

+ High resistance against mechanical forces with soft start-stop and a longer lifetime owing to the frequency inverter (driver).
+ Maximum Flow: 4 x 60 m³/h
+ Maximum Pressure: 200 mwc
+ Maximum Liquid Temperature: +40°C

## Variable Speed Complete Stainless Steel Boosters



### KI Series

+ Package type water boosters with vertical shafts and fully stainless steel pumps for high-rise buildings.
+ Pump Body: AISI 304 Stainless Steel
+ Maximum Flow: 4 x 50 m³/h
+ Maximum Pressure: 220 mwc
+ Maximum Liquid Temperature: +100°C

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# Wastewater and Drainage Pumps

## Wastewater and Drainage Pumps

### EFP Series

**Sewage Pumps with Grinder Blades**

+ Designed for discharging sewage containing solid particles up to 50 mm (paper, textile, plastic, etc.) in cesspool etc. of commercial or residential buildings such as apartments, schools and hotels.
+ Transfers the waste easily after grinding the solid particles with its grinder blade system.
+ Maximum Flow Rate : 21 m³ / h
+ Maximum Pressure : 24,8 mwc
+ Fluid Temperature : 0 - 40°C
+ Power Suply : 1 ~ 220V - 50 Hz
+ Maximum Immersion Depth : 10 m



+ The EFP series, with a wide range of products to meet the high flow and pressure requirements of residential, villa, low-rise apartment, commercial and industrial applications, provides effective and reliable solutions for wastewater transfer.
+ The EFP Series includes 380V (three-phase) electrically powered models as well as self-floating 220V (singlephase) electrically powered dewatering and shredder blade dewatering pumps.
+ Maximum Flow: 360 m³/h
+ Maximum Pressure: 47.5 mwc
+ Maximum Liquid Temperature: +40°C
+ Maximum Immersion Depth: 20 m






## Sewage and Drainage Lifting Stations

### FOSDEP Series

+ FOSDEP waste water discharge units offer high performance for indoor and outdoor waste water discharge in residential and commercial applications with their robust casing, zero-odor design, easy operation and maintenance.
+ EFP 22DP drainage pump with shredder blades and EFP 22D drainage pump with open impeller can be integrated.
+ 250 L and 500 L AISI 304 stainless steel sheet tank

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# UL Listed and FM Approved End Suction Pumps




## EA UF Series

+ High-efficiency, end-suction, horizontal-shaft centrifugal pumps conforming to UL448 and FM131 standards are used in firefighting systems.
+ Capacity: 250-1000 gpm
+ Pressure Range: 94-169 psi
+ Motor Speed: 50 Hz, 2950 rpm
+ Maximum Running Pressure: 290 psi




# UL Listed Split Casing Pumps

## ESC UL Series

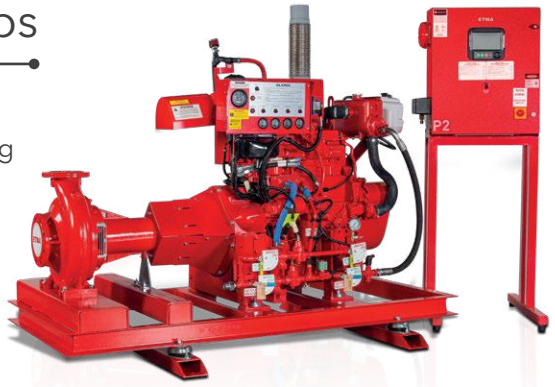
+ UL-listed ESC UL series split casing pumps are UL 448 rated for use in fire suppression systems with high efficiency, dual suction design and high flow and pressure requirements.
+ Capacity: 500-2000 gpm
+ Pressure Range: 80-234 psi
+ Motor Speed: 50 Hz, 2950 rpm
+ Maximum Running Pressure: 400 psi

# UL-Listed and FM Approved Fire Pumps

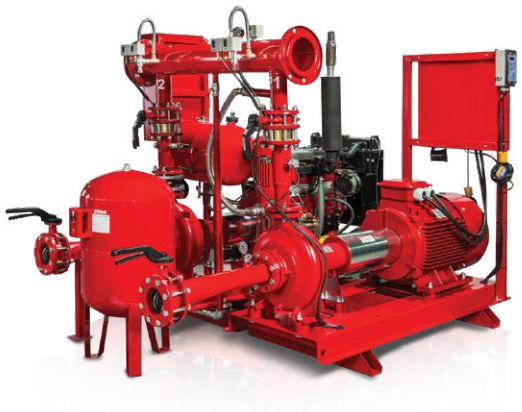
## ETN UF SERIES

+ UL-Listed and FM-Approved single-stage, end suction fire-fighting pumps are delivered as a complete set with a driver, control cabinet, and pilot pump along with standard fire-fighting pump system accessories.
+ Capacity: 250-1000 gpm
+ Pressure Range: 94-169 psi
+ Motor Speed: 50 Hz, 2950 rpm
+ Maximum Running Pressure: 290 psi

UL LISTED FM APPROVED



# Fire Pumps Complying EN 12845 Standard



## ETN YE Series

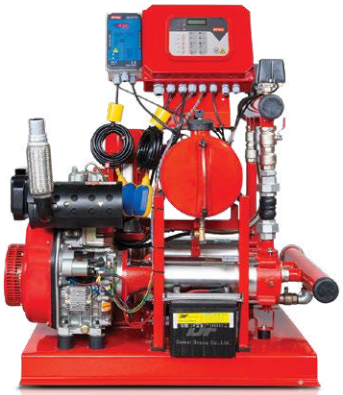
+ Easy-to-mount main and spare pumps are mounted on single base as modular. Maximizes safety with automatic test and remote monitoring and control features.
+ Maximum Flow: 3 x 450 m³/h
+ Maximum Pressure: 230 mwc
+ Motor Speed: 50 Hz, 2900 rpm
+ 1 diesel engine, 1 electric motor module options are available.
+ 1 diesel engine, 2 electric motor module options are available.

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# Firefighting Systems

## Multistage Pump Boosters with Alarm Kits

### Y-KO + DIESEL SERIES



+ These are fire pumps with alarm kits, equipped with 1 diesel engine and 1 electric motor with alternative power supply against the possibility of power failure in buildings intended for residential use, such as houses, villas, low-rise apartment buildings, etc.
+ Maximum Flow: 30 m³/h
+ Maximum Pressure: 145 mwc
+ Maximum Liquid Temperature: +40°C



+ Used in fire protection systems of buildings intended for use such as villas, residences, low-rise apartments, etc.
+ Maximum Flow: 60 m³/h
+ Maximum Pressure: 200 mwc
+ Maximum Liquid Temperature: +40°C

## Mobile Fire Extinguishing and Flood Discharging Unit

### HIZIR Series



+ ETNA HIZIR is suitable for use as a mobile fire extinguishing pump and for water discharge from negative code. ETNA HIZIR is capable of negative suction from -4m with its unique exhaust venturi system.
+ Maximum Flow: 120 m³/h
+ Maximum Pressure: 90 mwc
+ Diesel Engine Option: 42 kW and 65 kW



## Portable Diesel Fire Pump

### YPO-D10

+ Self-priming centrifugal pump, directly coupled to a diesel engine, provides the ability to intervene in the early stages of a fire.
+ Maximum Flow: 10 m³/h
+ Maximum Pressure: 60 mwc

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# Pump Protection and Controllers

## Hydrokon

+ Hydrokon is a pump and booster frequency ınverter unit having retrofit connection capability to the motor of booster or circulator applications. Hydrokon can control up to 4 cascade pumps (1master, 3 slaves) with a power capacity of 7,5 kW.

  Hydrokon's key features include easy programming, 120% loading for 60 seconds, programmable start and stop ramps, high and low voltage protection, and short circuit protection on motor terminals.



## Hydropan

+ Hydropan panel, used to control and display modes and faults of two pump booster / submersible systems up to 7,5 kW, has digital display and uniquely designed electronic main board and display module. The panel also contains general fault / no water / phase fault warning leds, up / down buttons enabling surfing into the menus. System parameters can be set easily using approval/cancel/up/ down buttons on related settings menus.




## AVS Frequency Control Panel

+ AVS is a pump control panel having 4.3" TFT touch screen, uniquely designed high efficient variable speed control and relay board. The touch control panel is located on front casing while relay module is located inside. Other than these, manual / auto / off selection button, manual control buttons (instead of these buttons, an additional control board is used for applications more than 11 kw) and Interlock Switch are available on front casing.

  AVS panel provides control and screen up to 6 pumps with the help of EPLC-6 control system, relays and switching components. System parameters can be changed on touch screen with user-friendly interface. AVS Panel can be used on constant pressure booster or differential pressure circulation systems with the help of receiving data from an analog pressure sensor. The panel especially is recommended to use with frequency inverted pump applications. Apart from that, it is also possible to use the panel on constant cycle pump systems.



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