



# Sewage & Drainage Pumps





### **Experience**

With our R&D, production and implementation experience of more than 35 years in the pump technologies field, we protect you and your investments without compromising from quality with our expert sales and after sales services.

We offer complete solutions for building pump systems with our wide product range including in-line dry rotor circulating pumps, horizontal single stage end suction pumps, vertical multi stage centrifugal pumps, horizontal split case pumps, sewage and drainage pumps, waste water lifting units, booster systems for residential and commercial buildings, residential fire fighting booster systems, mobile fire extinguishing and flood discharging pumps and fire pumps complying with EN 12845 and NFPA 20 standard under the brand of ETNA. At the same time our company is “FM listed company” for our end suction pumps. If you request, we would be pleased to service you for fire fighting sets with 500/750/1000 gpm flow and 112-195 psi pressure with FM certificate.

### **Eco-Friendly Engineering**

By combining advanced pump features with innovative technologies, we offer high quality, high performance, energy efficient, eco-friendly and low cost products to the end users.

With the vision of providing latest technology pump systems, ETNA is preferred in prestigious projects in both Turkey and many other countries and is used in confidence.



### **Professional Solutions**

As the solid substance content of wastewater increases as a result of the developing industry and the increasing population, disposal of residential and industrial wastewater becomes more difficult. Wastewater drainage, which has become obligatory to protect our natural resources, require professional solutions. ETNA wastewater & drainage pumps that are economical, efficient, easy-to-use, long-lasting and does not require frequent maintenance are always by your side to overcome the difficulties in modern wastewater applications in a safe manner.

### **Exact Answer to Your Needs**

ETNA has a rich sewage & drainage pump range to meet different requirements of different uses. The brand offers beginner level EFP T&K series featuring a plastic-body and a solid particle permeability of 10-25mm for draining clean water; EFP 11-26D series featuring a cast-body for draining grey water in residential buildings such as villas, residences and flats; EFP 11-22DP series featuring a cesspit and grinder blade for discharging wastewater with higher density of solid particles such as paper, textile, plastic in commercial buildings such as apartments, hotels, hospitals, dorms and schools; and EFP D/DP series featuring a high solid particle permeability of 30-50mm for discharging wastewater with higher flow-pressure requirement in commercial buildings and industrial facilities. Thus, there is an ETNA solution that is an exact answer to your needs thanks to this rich range extending from single houses to industrial sites.





### Plastic-Body Drainage Pumps EFP T Series

- Designed for the use of discharging grey water containing solid particles up to 10mm in residences such as houses and flats.
- Mountable to fixed water collection tanks such as reservoirs, cisterns, garage drains to automatically discharge water when the tank is almost full.
- The product is lightweight, portable and suitable for use in the rapid discharge of water in case of flood in spaces under ground level.

• Maximum Flow Rate	: 12 m <sup>3</sup> / h
• Maximum Pressure	: 8.5 mwc
• Fluid Temperature	: 0 - 40°C
• Network Connection	: 1 - 220V - 50 Hz
• Motor Speed	: 2900 rpm
• Motor Power	: 0.4 - 0.75 kW
• Maximum Immersion Depth	: 5 m
• Maximum Solid Particle Permeability	: 10 mm
• Discharge Port Diameter	: 1"

- Thermal protection for the motor against over load.
- Runs automatically thanks to the float switch.
- Delivered with a 10m H07 RN-F type power cable.



### EFP K Series

- Designed for the use of discharging grey water containing solid particles up to 25 mm in residences such as houses and flats.
- Mountable to fixed water collection tanks such as reservoirs, cisterns, garage drains to automatically discharge water when the tank is almost full.
- The product is lightweight, portable and suitable for use in the rapid discharge of water in case of flood in spaces under ground level.

• Maximum Flow Rate	: 12 m <sup>3</sup> / h
• Maximum Pressure	: 7.6 mwc
• Fluid Temperature	: 0 - 40°C
• Network Connection	: 1 - 220V - 50 Hz
• Motor Speed	: 2900 rpm
• Motor Power	: 0,75 kW
• Maximum Immersion Depth	: 5 m
• Maximum Solid Particle Permeability	: 25 mm
• Discharge Port Diameter	: 1"

- Thermal protection for the motor against over load.
- Runs automatically thanks to the float switch.
- Delivered with a 10m H07 RN-F type power cable.

### Cast-Body Drainage Pumps EFP D Series



- Designed for the use of discharging grey water containing solid particles up to 30 mm in residences such as houses and flats.
  - Mountable to fixed wastewater collection tanks such as cesspools and wastewater tanks to automatically discharge water when the tank is almost full.
  - The product is lightweight, portable and suitable for use in the rapid discharge of water in case of flood in spaces under ground level.
- |                                       |   |                       |
|---------------------------------------|---|-----------------------|
| • Maximum Flow Rate                   | : | 27 m <sup>3</sup> / h |
| • Maximum Pressure                    | : | 19.4 mwc              |
| • Fluid Temperature                   | : | 0 - 40°C              |
| • Network Connection                  | : | 1 - 220V - 50 Hz      |
| • Motor Speed                         | : | 2900 rpm              |
| • Motor Power                         | : | 0.25 - 1.5 kW         |
| • Maximum Immersion Depth             | : | 5 m                   |
| • Maximum Solid Particle Permeability | : | 25 mm                 |
| • Discharge Port Diameter             | : | 25 mm                 |
- Thermal protection for the motor against over load.
  - Runs automatically thanks to the float switch.
  - Delivered with a 10m H07 RN-F type power cable.

### Sewage Pumps with Grinder Blades EFP 13 & 18 DP Series



- Designed for discharging sewage containing solid particles up to 50mm (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.
  - Mounted to fixed sewage collection tanks such as cesspools and wastewater tanks to automatically discharge water when the tank is almost full.
  - The product is lightweight, portable and suitable for use in the rapid discharge of water in case of flood in spaces under ground level.
- |                                       |   |                       |
|---------------------------------------|---|-----------------------|
| • Maximum Flow Rate                   | : | 21 m <sup>3</sup> / h |
| • Maximum Pressure                    | : | 25 mwc                |
| • Fluid Temperature                   | : | 0 - 40°C              |
| • Network Connection                  | : | 1 - 220V - 50 Hz      |
| • Motor Speed                         | : | 2900 rpm              |
| • Motor Power                         | : | 1.3 - 1.8 kW          |
| • Maximum Immersion Depth             | : | 10 m                  |
| • Maximum Solid Particle Permeability | : | 50 mm                 |
| • Discharge Port Diameter             | : | 1"                    |
- Thermal protection for the motor against over load.
  - Runs automatically thanks to the float switch.
  - Delivered with a 10m H07 RN-F type power cable.



## **Sewage Pumps with Grinder Blades**

### **EFP 12 DP**

- Designed for discharging sewage containing solid particles up to 50mm (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.
- Mounted to fixed wastewater collection tanks such as cesspools and wastewater tanks to automatically discharge water when the tank is almost full.
- The product is lightweight, portable and suitable for use in the rapid discharge of water in case of flood in spaces under ground level.

• Maximum Flow Rate	: 17.5 m <sup>3</sup> / h
• Maximum Pressure	: 29 mwc
• Fluid Temperature	: 0 - 40°C
• Network Connection	: 3 - 380V - 50 Hz
• Motor Speed	: 2900 rpm
• Motor Power	: 2,2 kW
• Maximum Immersion Depth	: 10 m
• Maximum Solid Particle Permeability	: 50 mm
• Discharge Port Diameter	: DN50

- Thermal protection for the motor against over load.
- Delivered with a 10m H07 RN-F type power cable.

## Cast-Body Drainage and Sewage Pumps

### EFP 11 D / DP / DV SERIES



- **EFP 11 DP:** Pumps designed for transferring waste and sewage water containing solid particles (paper, textile parts, plastic additive waste, etc.) and draining solid particles smoothly by grinding them with its grinder blade system.
- **EFP 11 D:** Pumps with open impeller and stainless steel filter that are ideal for the use of discharging grey water containing particles up to 6mm.
- **EFP 11 DV:** Pumps with vortex impellers that are designed for intense uses and ideal for the use of discharging grey water containing particles up to 35 mm.

- Maximum Flow Rate : 21 m<sup>3</sup> / h
- Maximum Pressure : 20 mwc
- Fluid Temperature : 0 - 40°C
- Network Connection : 1 - 220V - 50 Hz
- Motor Speed : 2900 rpm
- Motor Power : 1,1 kW
- Maximum Immersion Depth : 5 - 10 m
- Maximum Solid Particle Permeability : 6 - 35 mm
- Discharge Port Diameter : 1 1/2" & 2"

- Recommended to be used with a compatible protection control panel and a compatible ball-type check valve.
- Thermal protection for the motor against over load.
- Runs automatically thanks to the float switch.
- Delivered with a 10m H07 RN-F type power cable.

## Cast-Body Drainage and Sewage Pumps

### EFP 24-26 D / DP / DT / DV Series



- **EFP 22 DP:** Pumps that have been designed for the transfer of waste and sewage water with solid particle content (paper, textile parts, plastic additive waste, etc.) and smoothly drain solid particles by grinding them with their grinder blade system.
- **EFP 22 D:** Pumps with open impeller and stainless steel filter that are ideal for discharging grey water containing particles up to 6mm.
- **EFP 26 DV:** Pumps with vortex impellers that are designed for intense uses and ideal for discharging grey water containing particles up to 40mm.
- **EFP 26 DT:** Pumps with single impellers that are designed for intense uses and ideal for discharging grey water containing particles up to 50mm.



- Maximum Flow Rate : 66 m<sup>3</sup> / h
- Maximum Pressure : 26 mwc
- Fluid Temperature : 0 - 40°C
- Network Connection : 3 - 380V - 50 Hz
- Motor Speed : 2900 rpm
- Motor Power : 2.4Kw (D/DP) & 2.6Kw (DV/DT)
- Maximum Immersion Depth : 10 m
- Maximum Solid Particle Permeability : 6 - 50 mm
- Discharge Port Diameter : 2" & DN65

- Recommended to be used with a compatible protection control panel and a compatible ball-type check valve.
- Thermal protection for the motor against over load.
- Runs automatically thanks to the float switch.
- Delivered with a 10m H07 RN-F type power cable.





## High-Flow Sewage Pumps with Grinder Blades

### EFP DP - 2P Series



- Designed for discharging wastewater with possibly high solid particle content in houses, commercial buildings (hotels, hospitals, dorms etc.) and industrial facilities. Transfers the waste easily after grinding the solid particles with its grinder blade system.
- Can be used for transferring papers, towels, tissues etc. besides industrial textile wastes containing fibers.
- Required to be used with a compatible protection control panel and a compatible ball-type check valve.

- Maximum Flow Rate : 160 m<sup>3</sup> / h
- Maximum Pressure : 42 mwc
- Fluid Temperature : 0 - 40°C
- Network Connection : 3 - 380V - 50 Hz
- Motor Speed : 2900 rpm
- Motor Power : 3 - 15 kW
- Maximum Immersion Depth : 20 m
- Maximum Solid Particle Permeability : 50 mm
- Discharge Port Diameter : DN65 - DN150



- Thermal protection for the motor against over load.
- Delivered with a 10m H07 RN-F type power cable.



## High-Flow Drainage Pumps EFP D - 2P Series

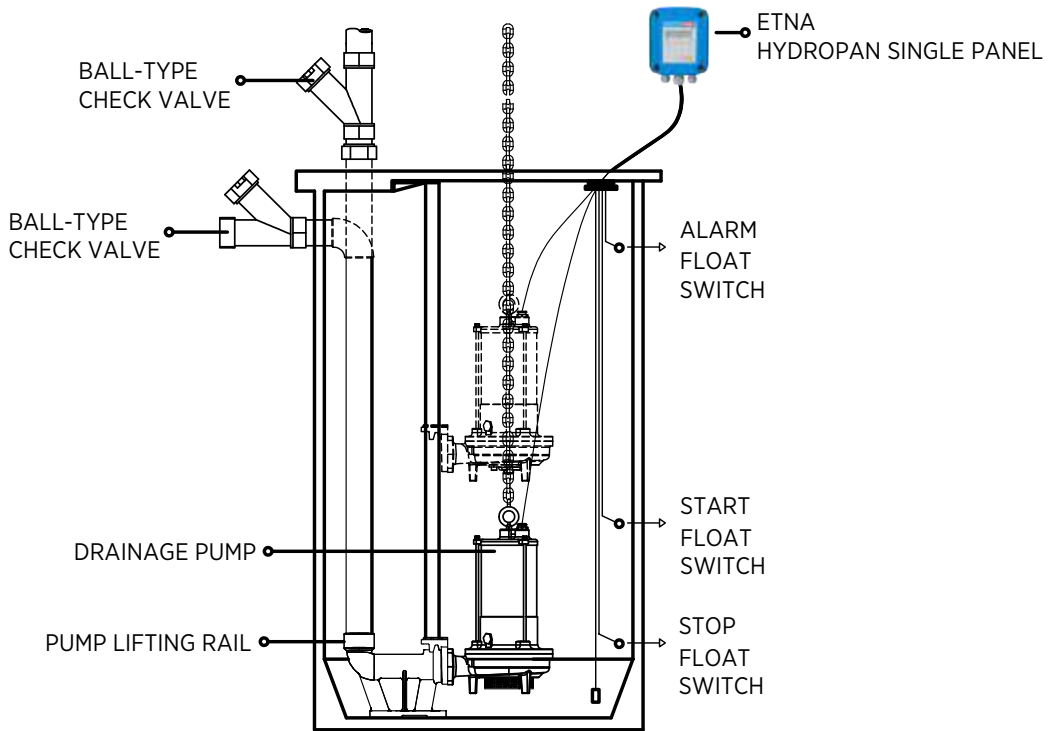
- Designed with high solid particle permeability for discharging drainage water requiring high flow/pressure in residences, commercial buildings (such as hotels, hospitals and dorms) and industrial facilities.
- Maximum Flow Rate : 160 m<sup>3</sup> / h
- Maximum Pressure : 50 mwc
- Fluid Temperature : 0 - 40°C
- Network Connection : 3 - 380V - 50 Hz
- Motor Speed : 2900 rpm
- Motor Power : 3-18.5 kW
- Maximum Immersion Depth : 20 m
- Maximum Solid Particle Permeability : 20 - 35 mm
- Discharge Port Diameter : DN80 - DN100
- Thermal protection for the motor against over load.
- Delivered with a 10m H07 RN-F type power cable.



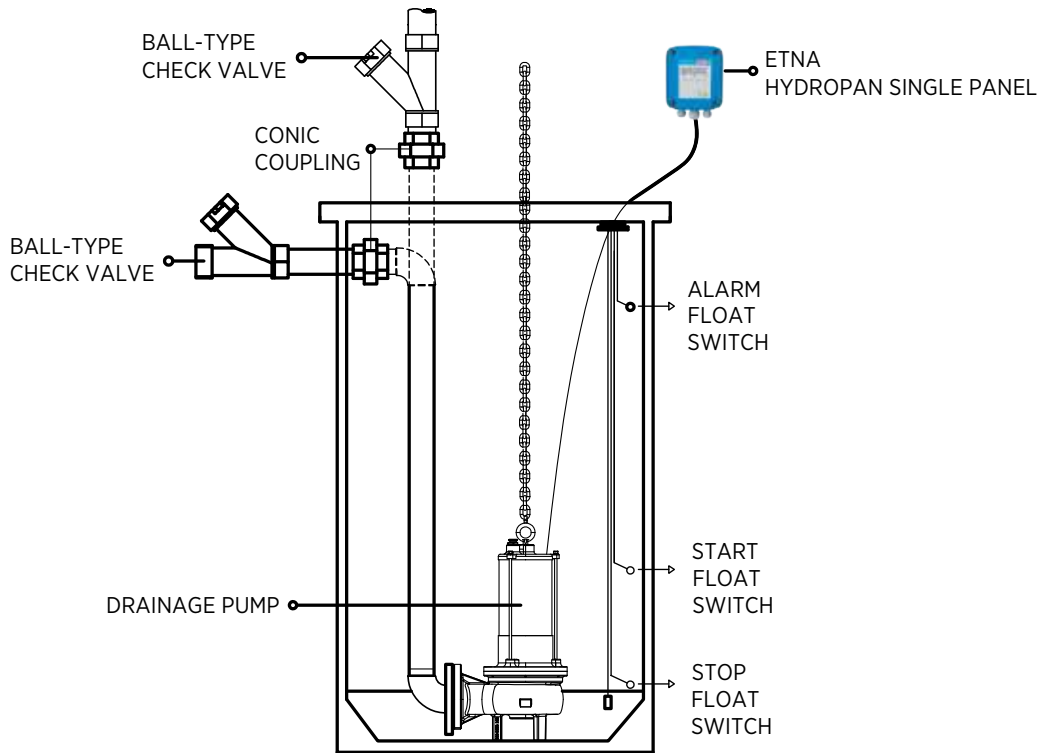
## EFP D - 4P Series

- Designed with high solid particle permeability for discharging drainage water requiring high flow/pressure in residences, commercial buildings (such as hotels, hospitals and dorms) and industrial facilities.
- Maximum Flow Rate : 370 m<sup>3</sup> / h
- Maximum Pressure : 31.5 mwc
- Fluid Temperature : 0 - 40°C
- Network Connection : 3 - 380V - 50 Hz
- Motor Speed : 1450 rpm
- Motor Power : 5.5 - 22 kW
- Maximum Immersion Depth : 20 m
- Maximum Solid Particle Permeability : 35 - 50 mm
- Discharge Port Diameter : DN100 - DN400
- Thermal protection for the motor against over load.
- Delivered with a 10m H07 RN-F type power cable.

### Drainage Pumps Connection Diagrams



Fixed Installation with Lifting Rail  
(Pump can be removed for easy maintenance and repair)



Fixed Installation  
(Pump can be detached from the conic coupling for easy maintenance)



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