



# FEKABOX - FEKAFOS

## NEW AUTOMATIC PUMP STATIONS

# FEKABOX AND FEKAFOS

## WHY CHOOSE A DAB AUTOMATIC LIFTING STATION



### VERSATILITY

The collection and lifting stations FEKABOX and FEKAFOS DAB are versatile and adapt equally to the underground facilities such as those at the surface, those installed in enclosed spaces rather than outdoors.

### THE IMPORTANCE OF MATERIAL

They are made of Polyethylene with an average of 8mm, material which unlike cement, allows an important reduction in weight with a significant impact on the cost and timing of handling and installation.

In addition, the Polyethylene also guarantees a resistance that makes the DAB tanks inert to chemical attacks and robust against mechanical stress.

### THE ERGONOMIC DESIGN

The new range of DAB tanks comes complete with all the necessary predispositions to maximize ease of the installation phase.

Every aspect has been detailed to make the installer's job easier, like the new symbology pre-printed directly on the tank near the inlets and the outlets, to make installation simpler.

### THE CERTIFICATIONS

The new FEKABOX e FEKAFOS tanks are in line with the European standard EN 12050 1-2.

## OPERATION AND USE

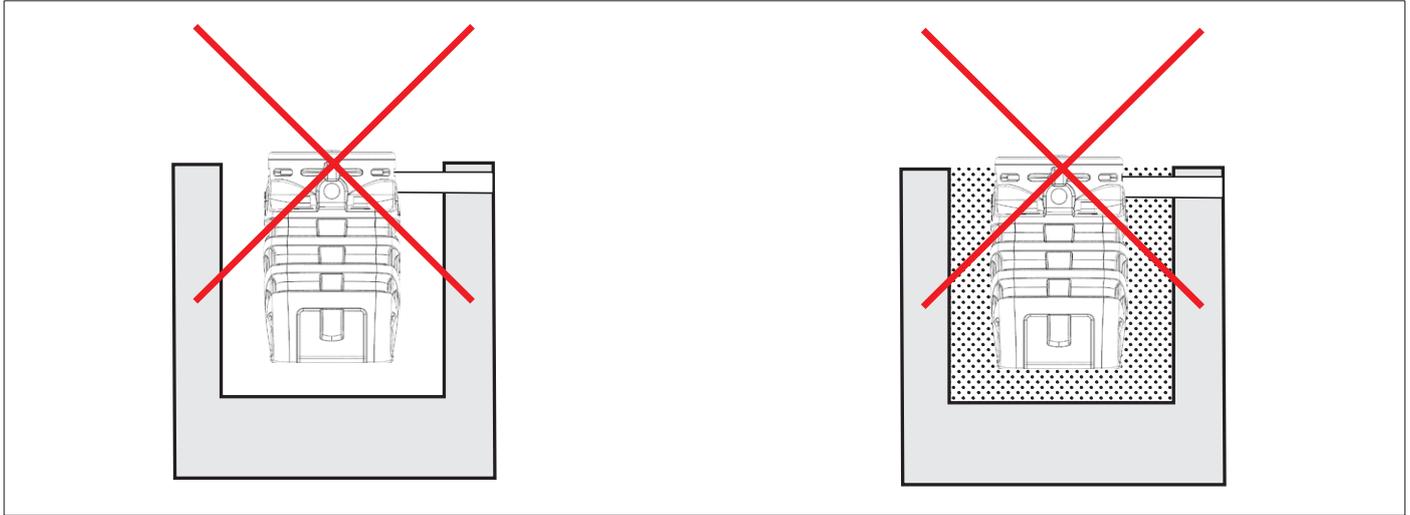
Tanks for domestic waste water arriving from drainage systems of various types or storm drains, for systems located below the sewer network such as garages or basements, when the sewers cannot be reached by gravity. The pump installed in the tank allows the waters to be conveyed into the sewer. The tank has numerous possibilities for connecting pipes at input, output and ventilation, allowing adequate use even in limited spaces. A grinder pump can also be installed in the tank, able to break up any foreign bodies in the waste water and project them at long distances.



# AUTOMATIC LIFTING STATION

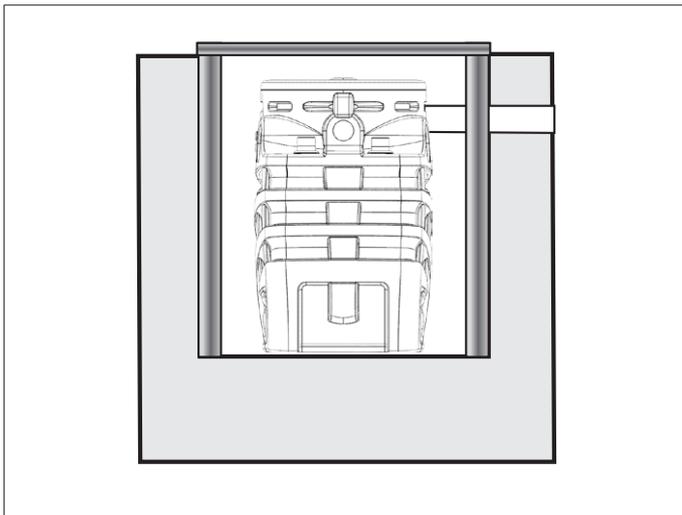
## INSTALLATION OPTIONS

The entire Fekabox and Fekafos range must be anchored to a base

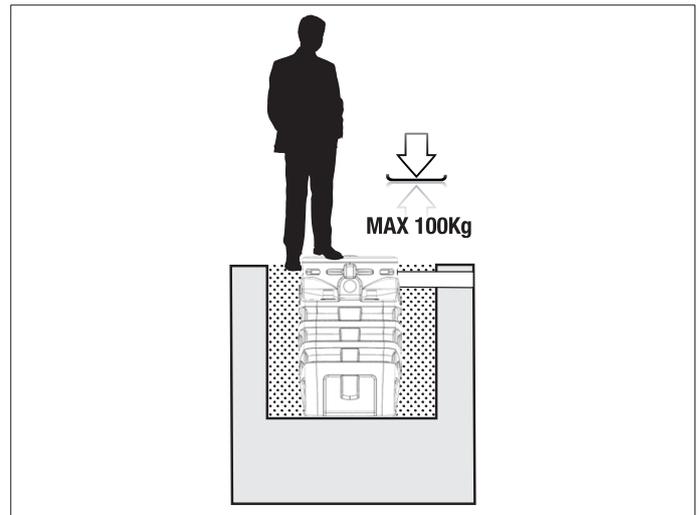


Typical indoor installation with cover flush with floor.

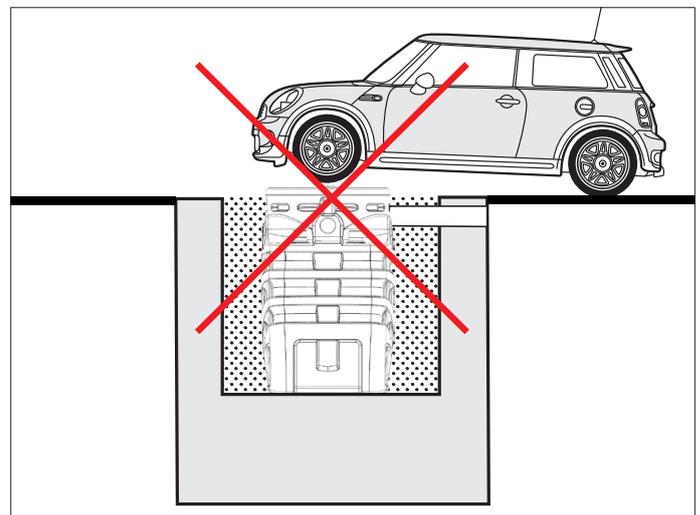
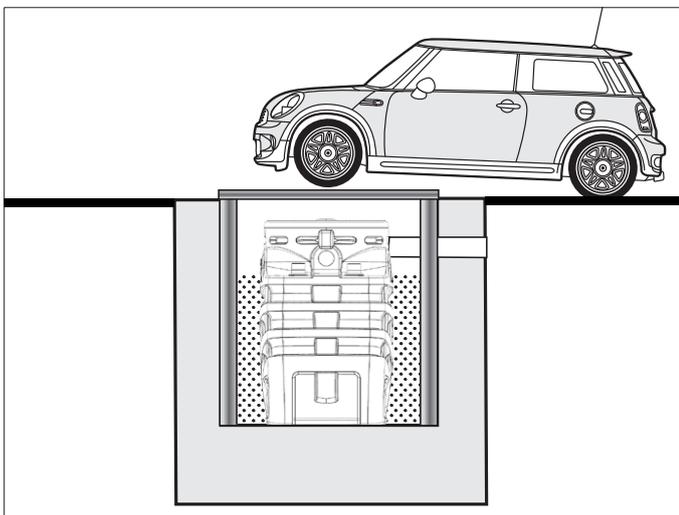
Outdoor installation without bearing structure, buried in sand Walk-over.



Outdoor installation with drive-over concrete bearing structure.



Outdoor installation: Caution do not drive-over without bearing structure !!



# FEATURES



**MADE WITH  
RECYCLABLE MATERIALS**



## COVER

Completely air-tight and easy to install, with seal and safety lock. Withstands the weight of a person up to 100 Kg.



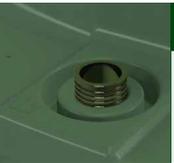
## SYMBOLS

Pre-printed directly on the tank near the inlets and the outlets, to make it easy the installation



## INLETS

Designed for drilling of holes in situ on several sides and for several sizes, ranging from DN 110 to DN 50. Guarantees excellent flexibility in plants which are often pre-installed.



## OUTLETS

2" Threaded



## COUPLER FOOT

2" and 1" / ¼ polypropylene coupler foot with integrated anti-rotation bracket. Simple pump installation and maintenance.



## ANCHOR FITTINGS

Stop the tank floating upwards in case of flooding or high groundwater levels.



## EMERGENCY OUTLET

Designed for connection to an emergency pump-out system in the event of lengthy electrical power cuts.

# FEKABOX RANGE

FEKABOX range automatic lifting stations are suitable for collecting and lifting **clear, rain and waste water from washing machines, sinks and WCs** in systems installed at a lower level than the sewer, in locations such as garages or basements. Models are compact and easy to install. They are ideal for homes and other residential properties. The **FEKABOX** is designed for use with just one automatic single-phase pump with float switch, which must be ordered separately.

## FEKABOX 110

<b>Capacity [ l ]</b>	110
<b>Connections</b>	4 - DN110, DN50 horiz. inlets 1 - 2" vertical pump-out 1 - 2" horiz. pump-out 1 - DN40 emergency pump-out 1 - DN 50 vent
<b>Overall dimensions [mm]</b>	D: 620 x L: 390 x H: 600
<b>Complete with</b>	PVC unions and rubber coated hose for vertical or horizontal 2" outlet.
<b>Recommended pumps</b>	FEKA 600 MA FEKA VS/VX 550-750 MA
<b>Operating range</b>	From 1 to 24 m <sup>3</sup> /h with head up to 9 mt



**FEKAFOS RANGE**  
**COMPLIANT WITH EUROPEAN**  
**NORMATIVE EN 12050-2**

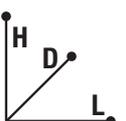
## FEKABOX 200



<b>Capacity [ l ]</b>	200
<b>Connections</b>	2 - DN110, DN50 vertical inlets 1 - DN110, DN50 horiz. inlet 1 - 2" vertical pump-out 1 - DN40 emergency pump-out 1 - DN 50 vent
<b>Overall dimensions [mm]</b>	D: 750 x L: 600 x H: 779
<b>Complete with</b>	2" and 1" / ¼ lifting device with anti-rotation bracket
<b>Recommended pumps</b>	FEKA 600 MA FEKA VS/VX 550-750-1000-1200 MA
<b>Operating range</b>	From 1 to 24 m <sup>3</sup> /h with head up to 15 mt

**FEKAFOS RANGE**  
**COMPLIANT WITH EUROPEAN**  
**NORMATIVE EN 12050-1**

Pumped liquid temperature: 50°C



# FEATURES



**MADE WITH  
RECYCLABLE MATERIALS**



## COVER

Completely air-tight and easy to install, with seal and safety lock. Withstands the weight of a person up to 100 Kg



## INLETS

Designed for drilling of holes in situ on several sides and for several sizes, ranging from DN 110 to DN 50. Guarantees excellent flexibility in plants which are often pre-installed.



## OUTLETS

2" Threaded



## READY FOR THE FLOATING ALARM INSTALLATION

Designed for mounting floating alarm to be connected to the control panel.



## FLOAT SWITCHES

Pre-installed at the correct heights on a support which simplifies any adjustments or maintenance.



## COUPLER FOOT

Cast Iron coupler foot with integrated anti-rotation bracket. Simple pump installation and maintenance.



## ANCHOR FITTINGS

Stop the tank floating upwards in case of flooding or high groundwater levels.



## TWO-PUMP LIFTING STATION

The Fekafos range includes stations with two pumps.

## SYMBOLS

Pre-printed directly on the tank near the inlets and the outlets, to make it easy the installation



## EMERGENCY OUTLET

Designed for connection to an emergency pump-out system in the event of lengthy electrical power cuts.

# FEKAFOS RANGE

**FEKAFOS** range automatic lifting stations are suitable for collecting and lifting clear, rain and waste water from washing machines, sinks and WCs in systems installed at a lower level than the sewer, in locations such as garages or basements. Models are compact and easy to install. They are ideal for homes and other residential properties. The **FEKAFOS** is designed for use with one or two (double models) non-automatic single-phase or three-phase pumps without float switch, which must be ordered separately together with the control panel.

## FEKAFOS 280

<b>Capacity [ l ]</b>	280
<b>Connections</b>	1 - DN110, DN50 vertical inlet 2 - DN110, DN50 horiz. inlets 1 - 2" vertical pump-out 1 - DN40 emergency pump-out 1 - DN 50 vent
<b>Overall dimensions [mm]</b>	D: 750 x L: 600 x H: 940
<b>Complete with</b>	lifting device with anti-rotation bracket, 2 bulb start / stop float switches
<b>Recommended pumps</b>	<b>DN 50:</b> FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 MNA-T GRINDER 1400 M-1800 T FEKA 1400 M-1800 T FEKA 2015 - 2030.2TNA
<b>Operating range</b>	From 1 to 36 m³/h with head up to 25 mt



## FEKAFOS 280 DOUBLE



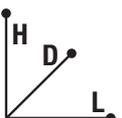
<b>Capacity [ l ]</b>	280
<b>Connections</b>	1 - DN110, DN50 vertical inlet 2 - DN110, DN50 horiz. inlets 2 - 2" vertical pump-out 1 - DN40 emergency pump-out 1 - DN 50 vent
<b>Overall dimensions [mm]</b>	D: 750 x L: 600 x H: 940
<b>Complete with</b>	2 lifting devices with anti-rotation bracket 3 bulb start / stop float switches
<b>Recommended pumps</b>	<b>DN 50:</b> FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 MNA-T GRINDER 1400 M-1800 T FEKA 1400 M-1800 T
<b>Operating range</b>	From 1 to 36 m³/h with head up to 25 mt

## FEKAFOS 550 DOUBLE

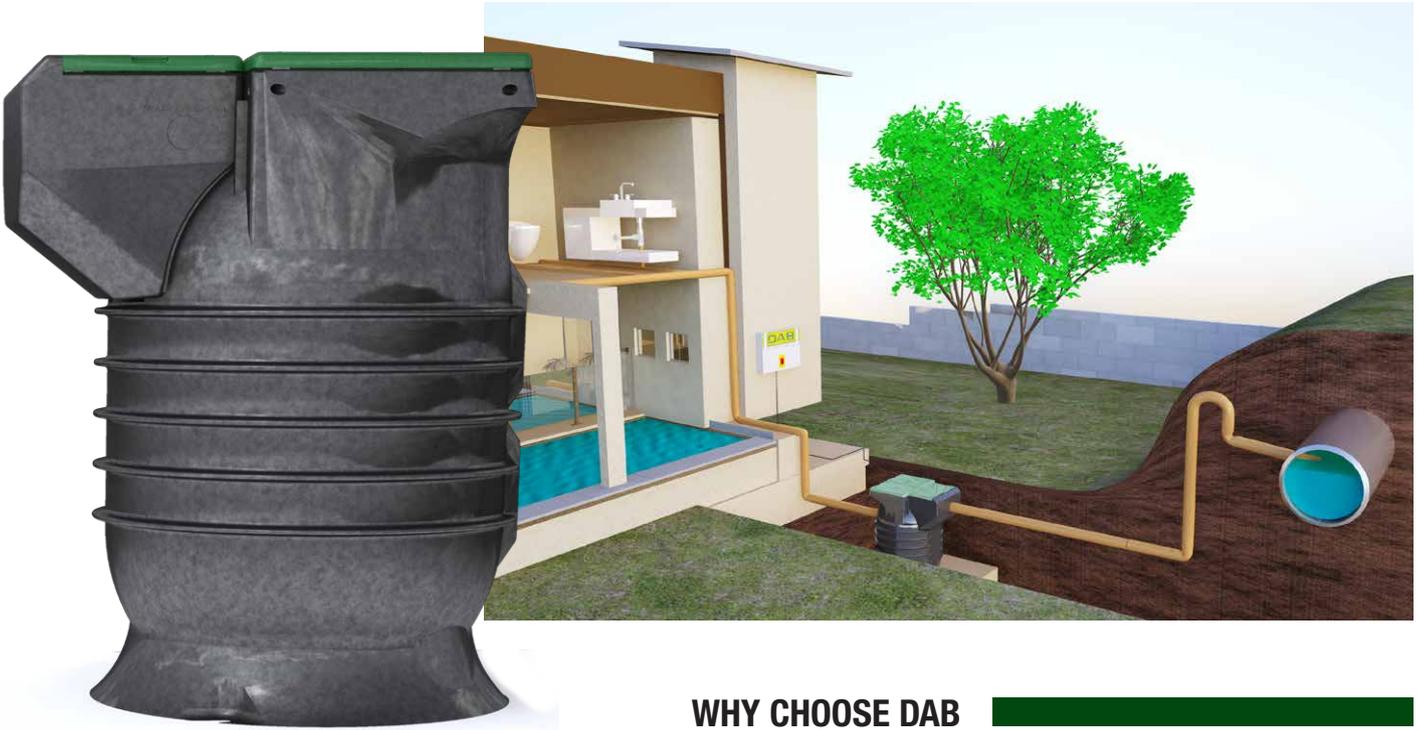
<b>Capacity [ l ]</b>	550
<b>Connections</b>	2 - DN110, DN50 vertical inlets 2 - DN110, DN50 horiz. inlets 2 - 2" vertical pump-out 1 - DN40 emergency pump-out 2 - DN 50 vent
<b>Overall dimensions [mm]</b>	D: 750 x L: 1200 x H: 940
<b>Complete with</b>	2 lifting devices with anti-rotation bracket 3 bulb start / stop float switches
<b>Recommended pumps</b>	<b>DN 50:</b> FEKA 600 M-NA/T, FEKA VS/VX 550-750-1000-1200 M-NA/T GRINDER 1000-1200-1600 MNA-T, GRINDER 1400 M-1800 T FEKA 1400 M-1800 T, FEKA 2015 - 2030.2TNA
<b>Operating range</b>	From 1 to 36 m³/h with head up to 25 mt



**FEKAFOS RANGE  
COMPLIANT WITH EUROPEAN  
NORMATIVE EN 12050-1**



# FEATURES



## WHY CHOOSE DAB LIFTING STATIONS

Automatic collection and lifting station suitable for lifting clear and rain water, as well as water loaded with civil and industrial waste. It consists of a cylindrical polyethylene monobloc, and an appropriately shaped bottom for the housing of the pump and for avoiding water stagnation. The upper rectangular opening has polyethylene covers with locking system and smell prevention seals.

The station is ready for the use of two sewage water pumps, or non-automatic single-phase draining pumps, or three-phase pumps with delivery diameter from DN50 to DN80. The pumps must be ordered separately in combination with the control panel.

The tank may also be supplied with operation chamber with two gate valves and two non-return valves.

### COST EFFICIENCY AND SIMPLE INSTALLATION

Complete solution with all the components required for the connection of the pumps to the control panel. The installation does not require extensive containment construction and equipment adaptation works.

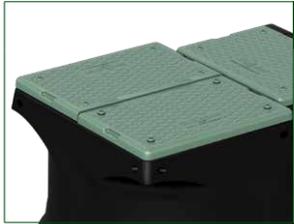
### SOLUTION THAT DOES NOT REQUIRE MAINTENANCE

The reservoir consists of a corrosion and chemical attack resistant high density polyethylene monobloc with long-lasting properties.

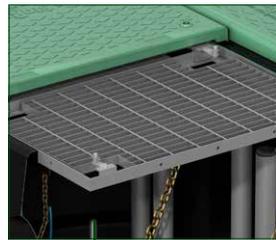
### SUITABLE FOR A WIDE RANGE OF INSTALLATIONS

Capacity up to 3600 litres with adjustable distance of the inlet pipe from the walking surface, DN50 to DN80 delivery. Reinforced design capable of resisting to pressure and external stresses. Thanks to the frame capable of withstanding the passage of vehicles, it can also be installed in public areas open to traffic.

# FEKAFOS MAXI 1200 - 3600 RANGE



**COVER**  
Strong and hermetic with double seal, it can withstand a weight of up to 100 kg.



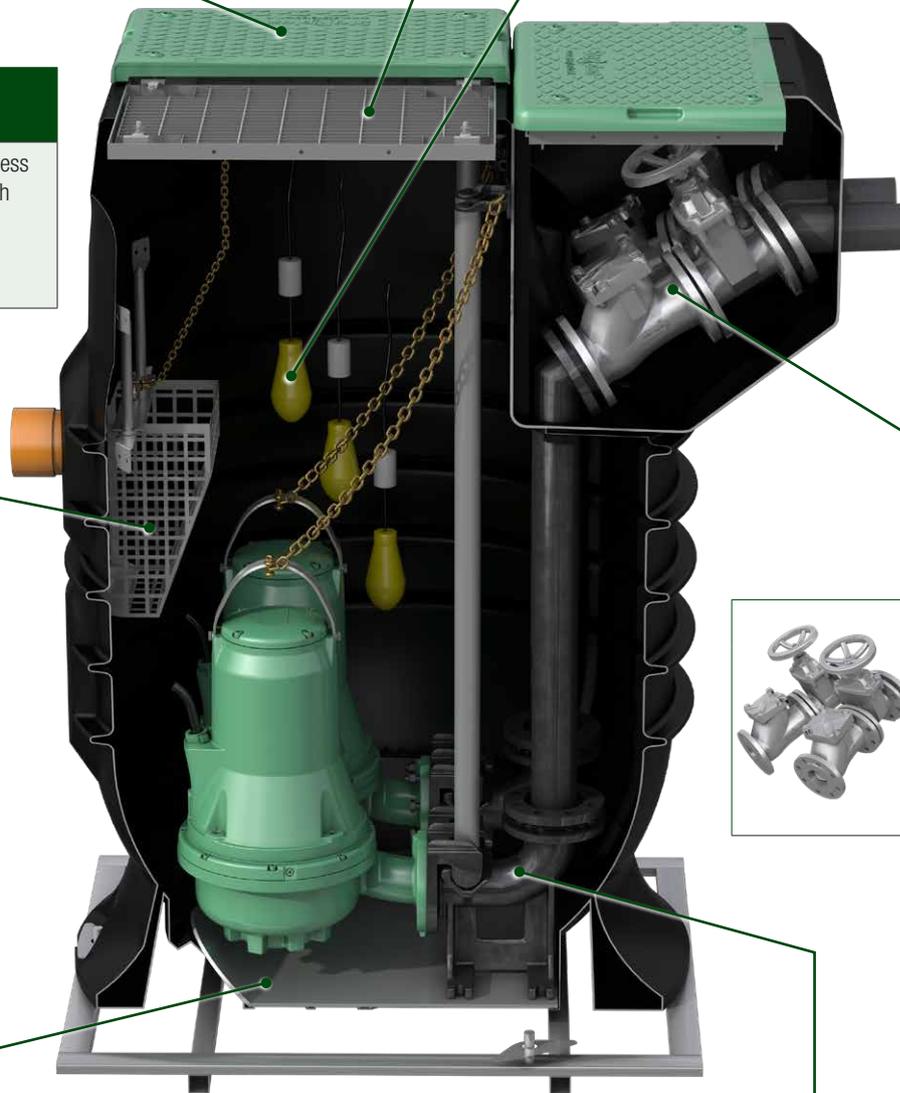
**SAFETY GRID**  
It guarantees safety during maintenance operations.



**FLOATS**  
Already installed at the correct heights on the reservoir body, for their easy adjustment and maintenance.



**FILTERING GRID**  
Removable stainless steel canister with 40 x 40 mm grid (optional)



**VALVE CHAMBER**  
The check and gate valves are installed in an appropriate separate chamber, easy to reach and in a clean environment.



**SHAPED BOTTOM**  
Appropriately shaped bottom to facilitate pumping and avoid deposits.



**COUPLING FOOT**  
They make pump installation and maintenance easier.

# FEKAFOS MAXI RANGE



**FEKAFOS 1200 MAXI**

<b>Capacity [ l ]</b>	1200
<b>Connections</b>	Input: DN125/160/ Output: DN 50/65/80 Ventilation 2"
<b>Sizes [mm]</b>	1250 x 1250 x 1420
<b>Supplied with</b>	coupling feet for the housing of 2 pumps, inlet and outlet piping, bleeding systems, cable glands, floats, stainless steel sheets, anti-intrusion grid and cover with lock.
<b>Recommended pumps:</b>	<b>DN 50:</b> FEKA VS; FEKA 1400 / 2000; GRINDER. <b>DN 65:</b> FK DN 65 <b>DN 80:</b> FK DN 80
<b>Operating range</b>	2 to 100 m <sup>3</sup> /h with head up to 40 metres



**FEKAFOS 1700 MAXI**

<b>Capacity [ l ]</b>	1700
<b>Connections</b>	Input: DN125/160/ Output: DN 50/65/80 Ventilation 2"
<b>Sizes [mm]</b>	1250 x 1250 x 1870
<b>Supplied with</b>	coupling feet for the housing of 2 pumps, inlet and outlet piping, bleeding systems, cable glands, floats, stainless steel sheets, anti-intrusion grid and cover with lock.
<b>Recommended pumps:</b>	<b>DN 50:</b> FEKA VS; FEKA 1400 / 2000; GRINDER. <b>DN 65:</b> FK DN 65 <b>DN 80:</b> FK DN 80
<b>Operating range</b>	2 to 100 m <sup>3</sup> /h with head up to 40 metres



**FEKAFOS 2200 MAXI**

<b>Capacity [ l ]</b>	2200
<b>Connections</b>	Input: DN125/160/ Output: DN 50/65/80 Ventilation 2"
<b>Dimensions size [mm]</b>	1250 x 1250 x 1870
<b>Supplied with</b>	coupling feet for the housing of 2 pumps, inlet and outlet piping, bleeding systems, cable glands, floats, stainless steel sheets, anti-intrusion grid and cover with lock.
<b>Recommended pumps:</b>	<b>DN 50:</b> FEKA VS; FEKA 1400 / 2000; GRINDER. <b>DN 65:</b> FK DN 65 <b>DN 80:</b> FK DN 80
<b>Operating range</b>	2 to 100 m <sup>3</sup> /h with head up to 40 metres



**FEKAFOS 3600 MAXI**

<b>Capacity [ l ]</b>	3600
<b>Connections</b>	Input: DN125/160/ Output: DN 50/65/80 Ventilation 2"
<b>Dimensions size [mm]</b>	1250 x 1250 x 2320
<b>Supplied with</b>	coupling feet for the housing of 2 pumps, inlet and outlet piping, bleeding systems, cable glands, floats, stainless steel sheets, anti-intrusion grid and cover with lock.
<b>Recommended pumps:</b>	<b>DN 50:</b> FEKA VS; FEKA 1400 / 2000; GRINDER. <b>DN 65:</b> FK DN 65 <b>DN 80:</b> FK DN 80
<b>Operating range</b>	2 to 100 m <sup>3</sup> /h with head up to 40 metres

## ACCESSORIES

<b>VALVE CHAMBER</b>	Equipped with polyethylene piping, 2 gate valves and 2 spheroidal cast iron check valves
<b>D400 1200 X 1200 FRAME - CAN BE DRIVEN ON</b>	Manhole frame, protection skirting, D400 1200 x 1200 manhole capable of withstanding the passage of vehicles. <b>TO BE APPROPRIATELY SECURED TO THE SURROUNDING STRUCTURE</b>
<b>FILTERING GRID</b>	Removable stainless steel canister with 40 x 40 mm grid
<b>ANTI-INTRUSION GRID</b>	<b>FRAME AND PROTECTION GRIDS MADE OF STEEL</b>



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