



Mobile diesel oil and AdBlue tanks

Liquid and chemicals storage tanks



FDC 2800, 5000, 7000, 14000, 21000

FDE 2800, 5000, 7000

FDI 1000

2Store 420

DC 5000, 7000, 9000

CDC 7000

Mobile diesel oil tanks

FDC 2800, 5000, 7000, 14000, 21000



ELKOPLAST diesel oil tanks are used for the safe storage and controlled dispensing of diesel oil, eventually some other petroleum products. They are intended for all companies requiring local diesel oil filling for wholesale prices (carriers, farmers, forest-mining plants, industrial enterprises, etc.).

Safe dispensing

- integrated dispensing equipment with easy operation in lockable machine room,
- automatic dispensing nozzle providing protection against overflow.

Environmental protection

ELKOPLAST diesel oil tanks have double housing. **The outer housing** serves as an emergency tank (reservoir) and can hold 110 % of **the inner tank** capacity. They are not firmly attached to the ground, and therefore **do not require building license**.

Quality first

- only high-quality polyethylene granulate used for production, chemically and UV resistant,
- corrosion-free,
- made by rotational molding, which is a seamless technology without welded joints prone to cracking (tank made of 1 piece),
- made of UV resistant polyethylene, providing long service life and corrosion resistance,
- maintenance-free plastic tanks.



Production technology - rotational molding



FDC 2800



FDC 7000

Warranty

- 10-year warranty on plastic tank, 1 year on equipment.

Certification

- all tanks fulfil the standards for storage of class III combustibles with a flashpoint above 55 °C,
- certified according to [EN 13341](#) norm.

Standard version

- 56 l/min Panther pump,
- flow meter,
- 30-micron fuel filter with water separator,
- remote fuel level monitoring (Apollo),
- electronic oil leakage detector from inner tank (interspace alarm Hytek),
- automatic dispensing nozzle A60,
- vent,
- overfill prevention valve (from 7000 l above),
- 2 m power cable.



Fuel level monitoring (Apollo)

Options

- many configuration possibilities,
- more powerful pumps,
- longer dispensing hoses,
- various types of flow meters,
- other types of filters,
- accurate measurement of the amount of diesel oil in the tank - OCIO,
- perfectly controlled dispense - MC BOX,
- biodiesel oil components.



Precise level measurement using OCIO

type	volume (l)	length (mm)	width (mm)	height (mm)
FDC 2800	2800	2360	1320	1880
FDC 5000	5000	2690	2435	2300
FDC 7000	7000	2950	2435	2300
FDC 14000*	14000	acc. to the config.	acc. to the config.	2300
FDC 21000*	21000	acc. to the config.	acc. to the config.	2300

* two/three connected FDC 7000 tanks



FDC 14000 (two connected FDC 7000 tanks)

Machine room – FDC 7000

Equipment

INTERSPACE ALARM



Interspace **alarm**

PUMPS



Panther 56

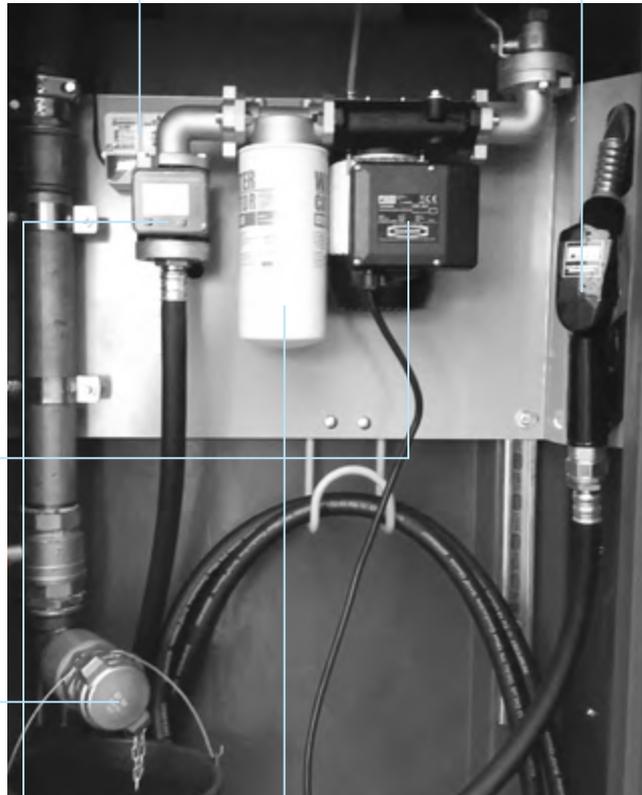


Panther 72

LOWER FILLING



lower filling



DISPENSING NOZZLES



for biodiesel oil



A60/A80

FILTERS



30 microns, with water separator



5/30 microns, with transparent housing



10/30 microns, for biodiesel oil

FLOW METERS



K33



K600



K600 B/3

Fuel management system

MC BOX

Do you not remember anymore, **who has drawn diesel oil and how much?** Do you always have time to go to the tank and personally carry out the dispensing? We have an easy solution - **MC BOX**. The MC BOX allows **controlled access** to multiple users.

MC BOX features

- identification of authorized users (max 80) using PIN code and/or electronic key reader,
- entering the vehicle registration plate and mileage,
- delivered quantity preset,
- delivery ban when low level is reached in the tank (option),
- finish of dispensing when the dispensing nozzle is inserted into the holder,
- flow meter calibration,
- possibility to print receipts on an external printer (the printer is not part of the basic delivery),
- memory for the last 255 deliveries including date and time.



MC BOX

Basic equipment

- accurate digital flow meter K600,
- 10 user keys (yellow) and 1 manager key (red),
- key reader to USB port,
- PC data management software.

Software features

- data download from the manager key to the PC,
- printing of absolute total delivery, delivery per user/period/license plate,
- managing up to 16 tanks,
- menu in language versions: CZ / SK / EN / DE / PL / RO / HU and others,
- export reports in .xls, .csv, .doc, and others.



CHIP KEYS

Tank equipment	FDC 2800	FDC 5000	FDC 7000	FDC 14000
dispensing hose 4/6 m	● / ●	● / ●	● / ●	● / ●
aut. dispensing nozzle A60/A80	● / ●	● / ●	● / ●	● / ●
Panther pump 56/72	● / ●	● / ●	● / ●	● / ●
30-micron filter, with water separator	● / ●	● / ●	● / ●	● / ●
mechanical/digital flow meter	● / ●	● / ●	● / ●	● / ●
upper/lower filling (for tank trucks)	● / ●	● / ●	● / ●	● / ●
overfill prevention valve	●	●	●	●
fuel level monitoring (Apollo/Ocio)	● / ●	● / ●	● / ●	● / ●
interspace alarm	●	●	●	●
fuel management system MC BOX	●	●	●	●

- standard equipment
- option
- not available

Mobile diesel oil and AdBlue tanks

2Store 420



Diesel oil tank 2Store 420 is designed to distribute diesel oil or AdBlue in distant places, particularly in forestry, agriculture and construction industry.

Specification for diesel oil / AdBlue

- 12 V pump (2Store 420-12),
- max flow 42 l/min / 35 l/min,
- 4 m dispensing hose with aut. dispensing nozzle, vent,
- made from polyethylene, UV resistant, with a partition wall to soothe the content during transport,
- filling indicator,
- transport wheel allows replacing of the empty tank,
- manipulation by pallet/forklift truck,
- easily removable and lockable lid,
- **UN** certified, with ADR complying,
- 10-year warranty on plastic tank, 1 year on equipment.

Options

- 24 V pump (2Store 420-24),
- 220 V pump (2Store 420-220),
- digital flow meter.



2Store 420 - easy handling

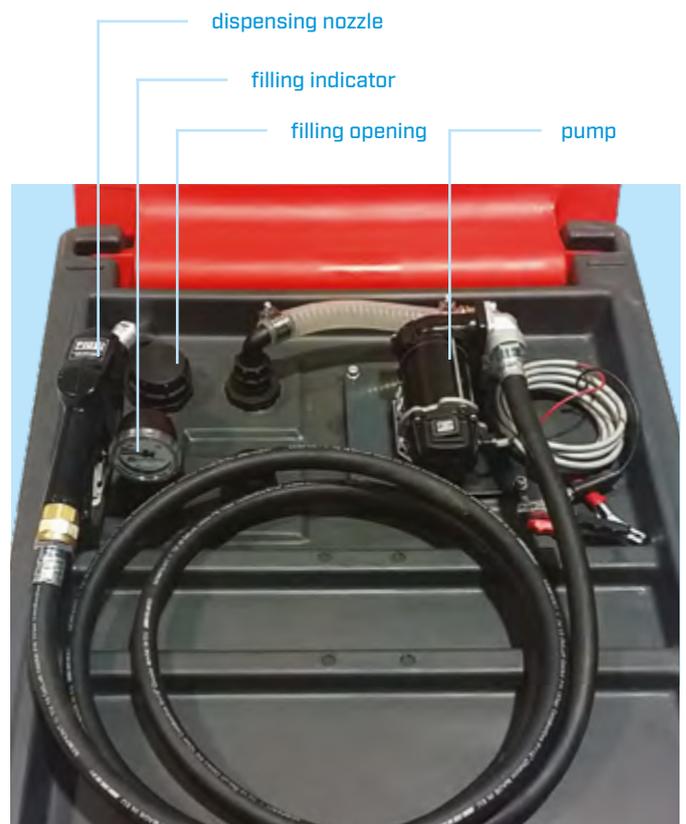


2Store 420 - handling by forklift and transport wheel

type	2Store 420
nominal volume (l)	420
length (mm)	1160
width (mm)	750
height (mm)	990
weight (kg)	52



2Store 420



2Store 420 - machine room

Mobile diesel oil and AdBlue tanks

FDI 1000
FDI 1000 AB



FDI tank is designed for storing and dispensing of class III and IV combustible liquids or AdBlue. It consists of a square tank IBC made of highly stabilized HDPE plastic, rigid outer structure of galvanized metal mesh, and a plastic pallet with drainage system. It includes dispensing facilities, conveniently positioned on the base plate. It is **UN** certified and complies with ADR standards. The tank can be transported too.

Advantages of our solution

FDI tanks are designed to draw oil from the top of the tank and sealed up with a grommet, so there is no spillage around the hose and the filling. There is also a suction strainer with a return valve. The advantage over suction from the bottom of the tank is the impossibility of damage of the hose or the valve due to incorrect manipulation.

Specification for diesel oil / AdBlue

- pump 56 l/min / pump 35 l/min,
- automatic dispensing nozzle,
- antistatic dispensing hose,
- mechanical flow meter / digital flow meter,
- filter with water separator / ---
- 100 liter scale,
- 1 year warranty.

Option (for diesel oil)

- Panther DC 12 V pump,
- Panther DC 24/12 V pump.

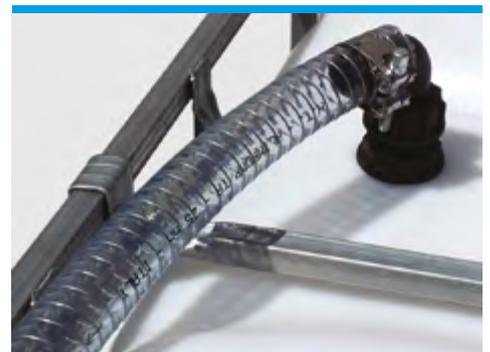


FDI 1000 AB (for AdBlue)



FDI 1000

type	FDI 1000/230	FDI 1000/12	FDI 1000/24	FDI 1000/230 AB
use	diesel oil	diesel oil	diesel oil	AdBlue
power supply (V)	230	12	24/12	230
nominal volume (l)	1000	1000	1000	1000
length (mm)	1200	1200	1200	1200
width (mm)	1000	1000	1000	1000
height (mm)	1165	1165	1165	1165



FDI 1000 - suction on the top of the tank

Mobile AdBlue tanks

FDE 2800 - 5000 - 7000



Standard equipment

- 35 l/min pump,
- digital flow meter,
- D112 filling opening with lid,
- 4 m dispensing hose,
- automatic dispensing nozzle,
- suction pipe with filter and return valve,
- inner tank vent,
- 540 mm service opening on the inner tank,
- according to [EN 13575](#) certified,
- 10-year warranty on plastic tank, 1 year on components.

Options

- filling with a 2" quick release coupling,
- cooling system with thermostat,
- heating system with thermostat,
- pneumatic level meter AFRISO,
- overfill alarm,
- controlled access for multiple users (MC BOX, Access),
- thermal insulation of the outer tank.



FDE 7000



FDE 2800

type	FDE 2800	FDE 5000	FDE 7000
nominal volume (l)	2800	5000	7000
length (mm)	2360	2690	2950
width (mm)	1320	2435	2435
height (mm)	1880	2300	2300



FDE 5000

AdBlue storage principles

- not hazardous to human health or to the environment,
- not falling under ADR products,
- always to keep closed after use,
- to store in place protected from high temperatures.
At temperatures above 25 °C there may be spontaneous thermal decomposition of the product and release of gaseous ammonia. The result is the formation of odour but also the gradual loss of active substance,
- solidifying at -11 °C. After thawing, it can be used without limitation.
For smooth pumping into a vehicle tank, it is advisable to store in spaces with the temperature not dropping below 0 °C or to use a tank with heating.

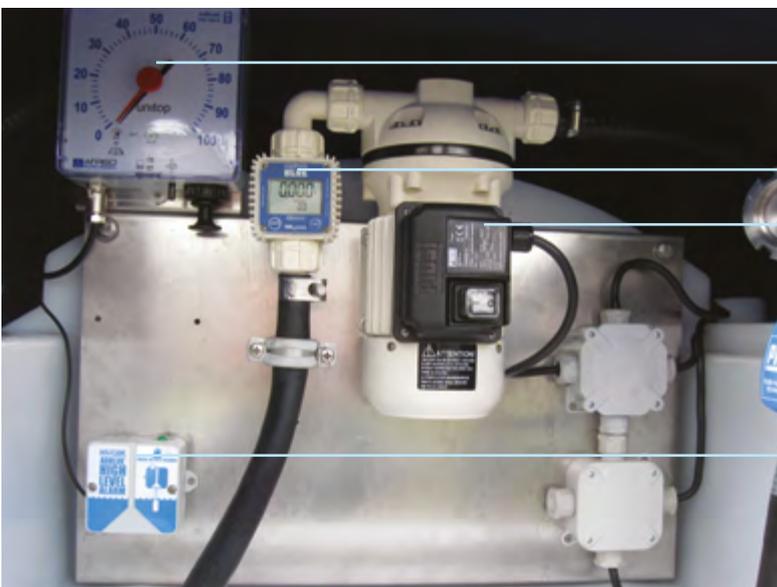
filling quick
release coupling

dispensing
nozzle



Machine room

ADBLUE



level meter

flow meter

pump

interspace alarm

Liquid and chemicals storage tanks

DC 5000, 7000, 9000

CDC 7000



Designed to storage of liquids and chemicals including fertilisers and preservatives in agriculture, fruit and wine growing industry, manufacturing companies, etc.

Specification

- designed for overground installation,
- single shell (DC) or double shell (CDC) version,
- easily handleable thanks to their low weight (lifting eyes on the upper part, designed to an empty tank),
- equipped with a filling and inspection lid,
- made of UV-stable polyethylene with an excellent colour stability and temperature resistance,
- excellent resistance to majority of aggressive chemicals,
- acc. to [EN 13575](#) certified,
- perfect liquid tightness guaranteed during the whole lifetime thanks to the special seamless technology, corrosion-resistant and maintenance-free,
- standard colours: milky/green/blue,
- fully recyclable,
- 10-year warranty on plastic tank, 1 year on components.

Options

- fittings in the lower or on the upper part of the tank,
- quick couplings according to the customer's request,
- valves,
- food-certified material,
- fittings for mutual tank connection,
- electronic wireless level monitoring,
- mechanical or electronic overflow alarm,
- pneumatic pump,
- stepladder.



CDC 7000 for preservatives with pneumatic pump



CDC 7000 for preservatives, with lower filling



CDC 7000 double shell tank with upper filling/suction



CDC 7000 double shell tank with lower filling/suction



DC 5000, DC 7000, DC 9000



DC 5000/7000 filling opening
112 mm



DC 5000/7000 inspection opening
540 mm



outlet opening



lower fitting G2



CDC 7000 upper filling under the lid



DC 9000 inspection opening
380 mm



DC 7000 upper filling and
C-suction



DC 9000 upper filling

type	nominal volume [l]	diameter [mm]	height [mm]	inspection opening (Ø,mm)	filling opening (Ø,mm)
DC 5000	5000	2215	1395	540	112
DC 7000	7000	2215	1990	540	112
DC 9000	9000	2435	2334	380 - lockable	380
CDC 7000	7000	2435	2334	540	112



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