

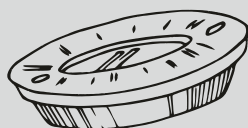
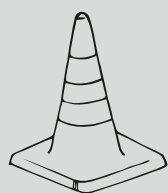


SEWERAGE TECHNOLOGY

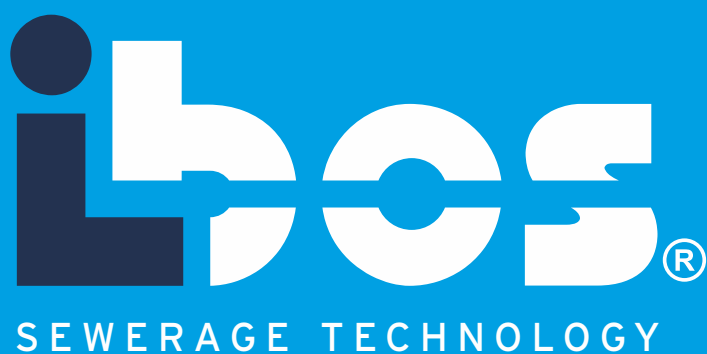
2022



**CLEANING
TECHNOLOGY**



www.ibos.cz



Catalogue

CLEANING TECHNOLOGY

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Agency for Czech Republic and Slovak Republic:

PRŮKASRO



Brandenburger

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STONEAGE
ENGINEERING THE POWER OF WATER

IMS Robotics

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FFG
Flensburger Fahrzeugbau

USB DÜSEN

WinCan

Introduction

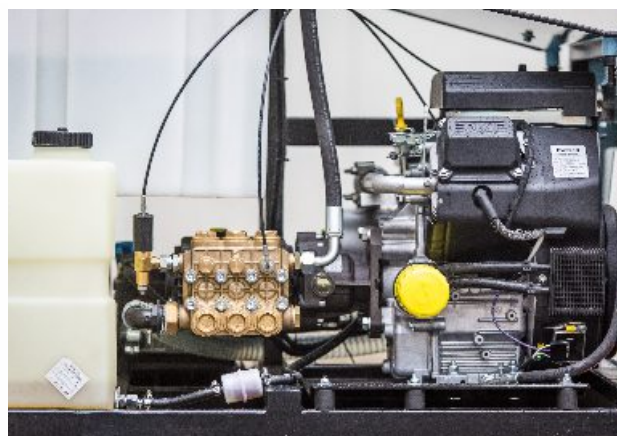
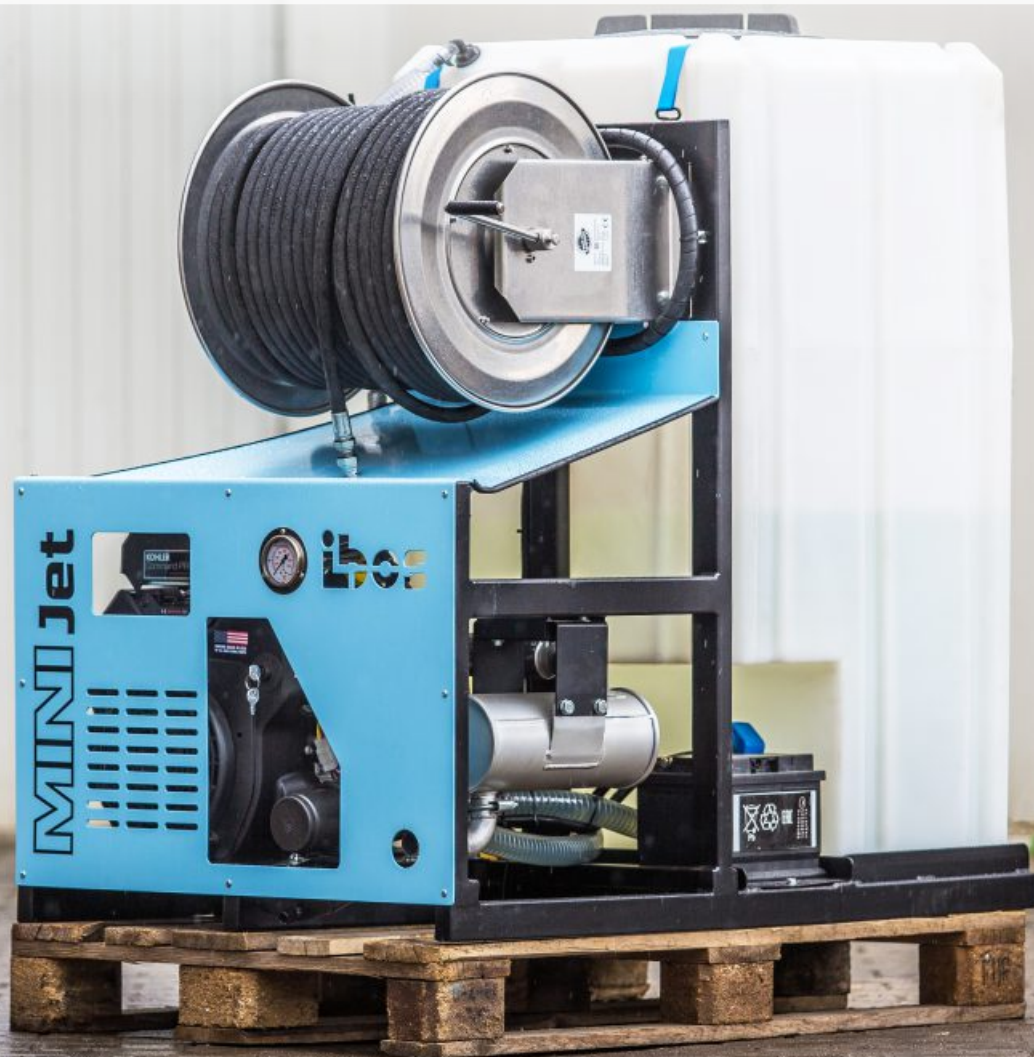
Sewerage is the infrastructure that conveys sewage or surface runoff (stormwater, meltwater, rainwater) using sewers. It encompasses components such as receiving drains, manholes, pumping stations, storm overflows and screening chambers of the combined sewer or sanitary sewer. Sewerage ends at the entry to a sewage treatment plant or at the point of discharge into the environment (source: Wikipedia).

So the brief definition. We are IBOS and produce the technology, which look after the functionality of this network. In order it will be passed through and sealed, where it should and work exactly according to customer's requirements. Our products monitor condition of the network, clean it, repair and take care of it's good condition. They carry out the work, which is not visible on the surface, but which significantly contributes to daily comfort of all of us.

Traditional resources as well the modern technology help us to perform the work. Team of talented and motivated staff, who know, that only finding the new ways and modern solutions will keep us among the best. We will be glad, if you become our partner.

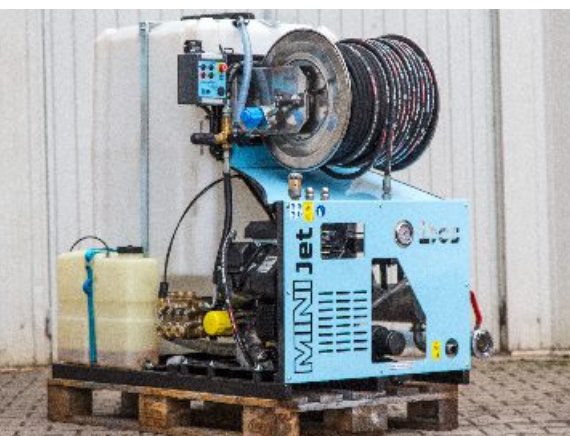
MINI Jet

High-pressure machine for pipe cleaning with diameter DN 40 - 300 mm. This machine is driven by high-performance and reliable aggregates, which always do very good job. The water tank with volume 400 l is sufficient for smaller range of cleaning. Thanks to compact dimensions (120 x 80 cm - EURO palette dimensions) it is easy to build this machine into the standard vans.



Basic specifications:

- Performance 50 l/min. and 150 bar
- Engine Kohler Command PRO 23,5 HP - petrol, el. start
- HP - pump Interpump
- HP - reel Controlled manually, material - stainless steel
- HP - hose 50 m - 1/2"
- Water tank 400 l
- Petrol tank 15 l
- Radio remote control - Water ON/OFF - START/STOP - Motor RPM +/- Reach 50 m in free space
- 2x high - pressure nozzle 1/2" - standard
- Dimensions - EURO palette - 80 x 120 x 125cm (w x l x h)
- Weight without water: 250 kg
- Painting colour according to customer's wish



HYDROJET

Hydrojet belongs to one of the most used high-pressure machines. It is popular primarily because of the relation price / power and easy built-in into the common vans. You can choose from wide range of the drive units, high-pressure pumps and accessories. The machine is designed for pipe cleaning DN 50 - 300 mm and in standard is equipped with water tank 2x400 L. We will gladly help you with choice of most suitable configuration for your business.



Some of possible variants:

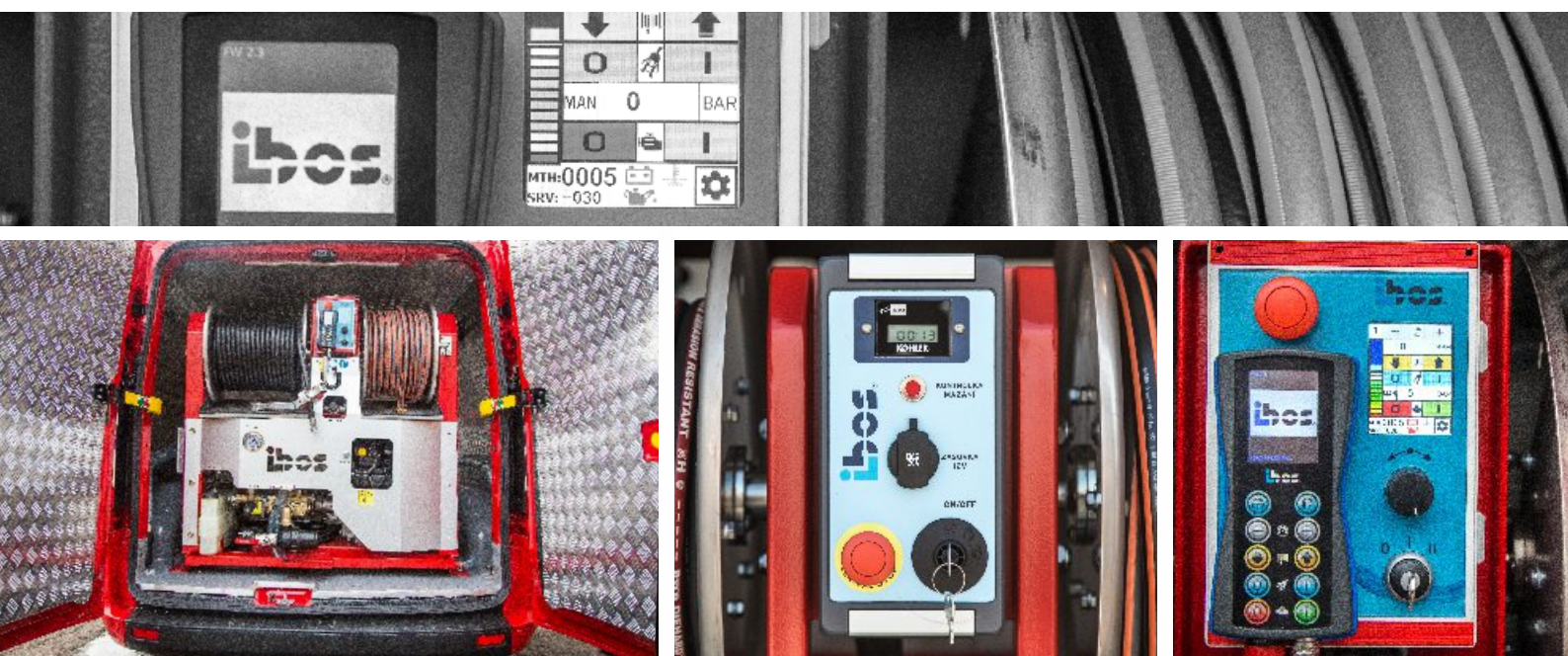
Type	Hydrojet 30/190 B	Hydrojet 50/150 B	Hydrojet 70/100 B	Hydrojet 60/120 B	Hydrojet 60/160 D
Engine	Kohler PRO	Kohler PRO	Kohler PRO	Kohler PRO	Kubota D 1105
Power	18 HP	23 HP	23 HP	23 HP	25 HP
Cooling engine	Ventilator	Ventilator	Ventilator	Ventilator	Heat exchanger
Fuel	Benzin	Benzin	Benzin	Benzin	Diesel
High-pressure pump	Speck 30/190 NP25	Speck 50/150 NP25	Speck 70/100 NP25	Speck 60/120 NP25	Pratissoli KT24
Water tank	800 L	800 L	800 L	800 L	800 L
High-pressure hose	60 m 3/8"	60 m 1/2"	60 m 1/2"	60 m 1/2"	80 m 1/2"
High-pressure hose control	Hydraulically	Hydraulically	Hydraulically	Hydraulically	Hydraulically
Filling hose	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"
Filling drum controlling	Manually - handle	Manually - handle	Manually - handle	Manually - handle	Manually - handle
Dimension (WxLxH)	1360x1408x1300	1360x1408x1300	1360x1408x1300	1360x1408x1300	1300x1500x1300
Weight (without water)	cca 440 kg	cca 440 kg	cca 440 kg	cca 440 kg	cca 575 kg

Basic technical specification:

- Petrol or diesel engine, 18 HP up to 25 HP
- High-pressure pump Speck or Pratissoli
- Basic volume of water tank - 800 L
- Filling of the water tank via „C“ flange
- High-pressure hose 3/8" - 1/2" according to option, length 60 m (3/8") or 80 m (1/2")
- Hydraulically controlled high-pressure drum
- Filling hose 3/4" - length 50 m
- Weight 440 - 575 kg - according to chosen option
- Dimension ca. 1360x1408x1300 mm
- Control panel on the front side of the machine
- Emergency stop
- Motohours
- 2 basic jets

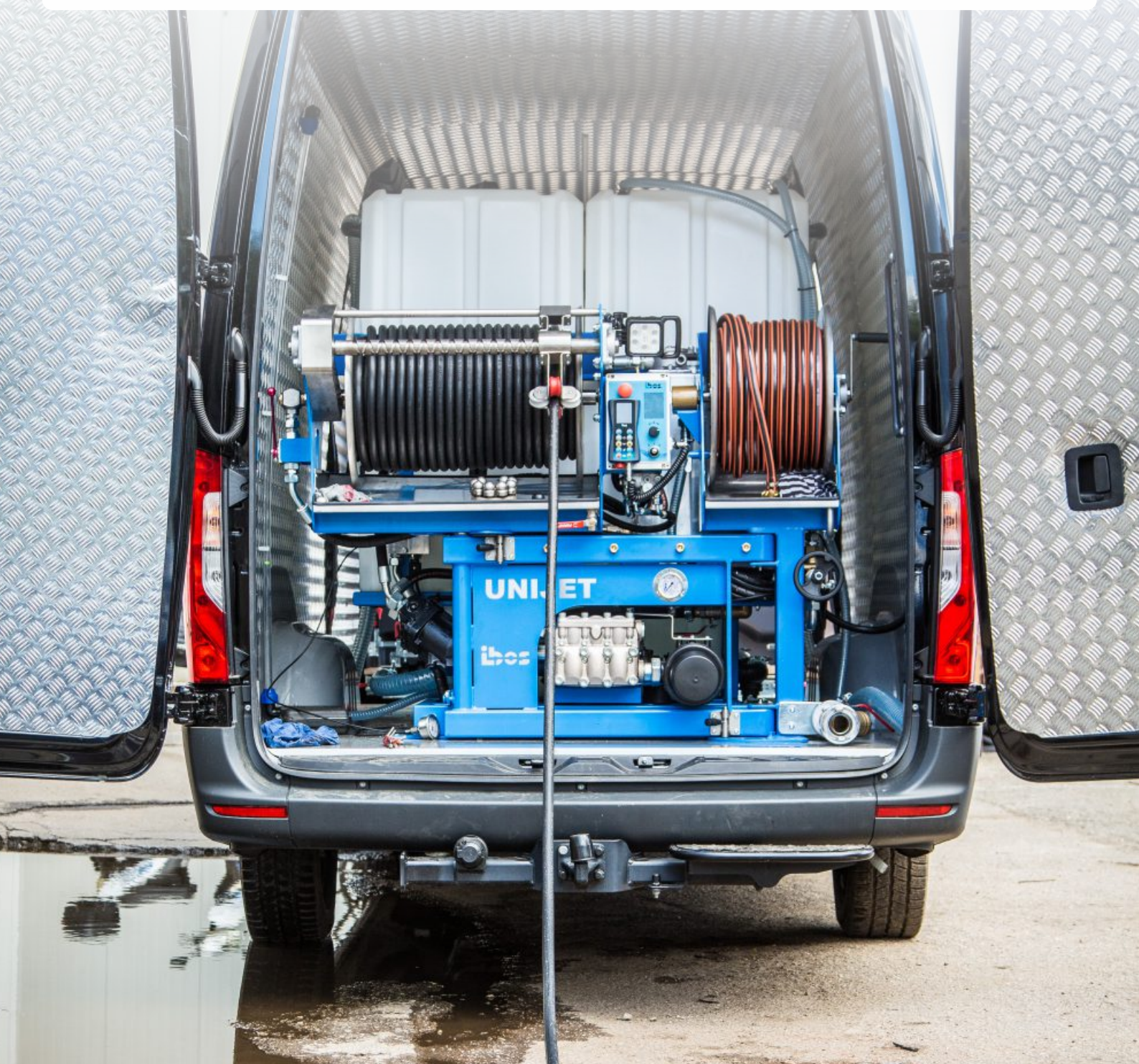
Some of optional accessories:

- Radio remote control
- Wide range of jets
- Winding/unwinding of high-pressure hose via cross spindle system and automatic adjustment via integrated hose guiding system
- Pulse system
- Heat insulation of the load room
- Load room covered with a sheet
- Protection against dry-drive (pump)
- Tank volume 1 000 L
- Fix / magnetic working light
- Second high-pressure hose instead of filling hose



UNIJET

Professional equipment designed for work in DN 50 - 400 mm. The machine is driven by own engine or by auxiliary drive of the chassis. It is popular thanks to quiet and economic working, comfortable service and wide range of optional accessories. It's practicality is supported by tilt-able and swivelling high-pressure drum or for example remote control (on request). Everybody can choose the best option for efficient work.



Accessories:

- High-pressure drum, hydraulically controlled, 180° turning
- High-pressure hose 1/2" - 5/8", length 80 m
- Filling hose 1/2" length 50 m
- Reduction valve UL
- Safety pressure valve
- Water tank 800 - 1000 L with bottom emptying
- Filling „C“
- Stop central
- Measuring of working hours of the equipment

Some of the optional items:

- Radio remote control with reach 100 m in free space, possibility to control engine revs, pressure, fix output adjustment, controlling of hydraulic, stop
- Wider range of jets
- Winding/unwinding of high-pressure hose via cross spindle system and automatic adjustment via integrated hose guiding system
- Heat insulation of the load room
- Load room covered with a sheet
- Protection against dry-drive (pump)
- Additional options of water tanks
- Working light fix / magnetic
- Second high-pressure hose instead of filling hose
- Pulse system

Some of possible variants:

Type	UniJet PTO 75/150	UniJet PTO 100/150	UniJet PTO 120/125	UniJet DIESEL 60/160
Engine	PTO - 28 KW	PTO - 40 KW	PTO - 40 KW	KUBOTA D 1105 25HP
Cooling	Heat exchanger	Heat exchanger	Heat exchanger	Water heat exchanger
Fuel	-	-	-	Diesel
High-pressure pump	Pratissoli KT28	Pratissoli KT30	Pratissoli KT36	Pratissoli KT24
Water tank	800 L	1000 L	1000 L	800 L
High-pressure hose	80 m 1/2"	80 m 5/8"	80 m 3/4"	80 m 1/2"
High-pressure drum controlling	Hydraulically	Hydraulically	Hydraulically	Hydraulically
Filling hose	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"
Filling drum-controlling	Manual - handle	Manual - handle	Manual - handle	Manual - handle
Dimension (LxWxH)	1500x1300x1260	1500x1300x1260	1500x1300x1260	1500x1300x1260
Wide between wheelbase	960mm			
Weight cca.	600 kg	625 kg	640 kg	625 kg



ECOPOWER

This machine provides superior power at high reliability and low operating cost. This machine can be easily built-in into common van types. You can choose from different types of drive units and high-pressure pumps; radio remote control serves for comfort work. The machine is designed for pipe cleaning DN50 - 400 mm and is equipped in standard with 2x400 L water tank. We will gladly help you with choice of best configuration for your work.



Accessories:

- Drive by petrol engine Kubota (33 - 61 HP) or by PTO of chassis
- High-pressure pump Pratissoli
- Standard water tank 800 L or 1000 L according to the machine type
- Radio remote control
- Filling „C“
- High-pressure hose 3/8" - 3/4" according to machine type, length 80 m
- HP-drum controlled hydraulically or electrically
- Filling hose 3/4", length 50 m
- Machine weight 615 - 810 kg according to machine type
- Control box
- Emergency stop button
- Working hours counter
- 2 basic nozzles

Some of optional items:

- Wide range of nozzles
- Winding / unwinding of HP-hose via cross spindle system and automatic adjustment via integrated hose guiding system
- Pulse system
- Heat insulation of the load room
- Load room covered with a sheet
- Protection against dry-drive (pump)
- Additional options of water tanks
- Working light fix / magnetic
- Second HP-hose instead of filling hose

Type	ECOPOWER 60/200	ECOPOWER 75/150	ECOPOWER 85/180	ECOPOWER 100/150	ECOPOWER PTO 75/150	ECOPOWER PTO 95/150	ECOPOWER 100/200	ECOPOWER 120/180
Engine	Kubota WG 972 33HP	Kubota WG 972 33HP	Kubota WG 1605 57HP	Kubota WG 1605 57HP	PTO 28KW	PTO 40KW	Kubota WG 2503 61HP	Kubota WG 2503 61HP
Cooling	Heater exchanger	Heater exchanger	Heater exchanger	Heater exchanger	Heater exchanger	Heater exchanger	Heater exchanger	Heater exchanger
Fuel	Petrol	Petrol	Petrol	Petrol	-	-	-	-
HP pump	Pratissoli KT24	Pratissoli KT28	Pratissoli KT28	Pratissoli KT30	Pratissoli KT28	Pratissoli KT32	Pratissoli KF 30	Pratissoli KF 32
Tank	800 L	800 L	1000 L	1000 L	800 L	1000 L	1000 L	1000 L
Operating	Intelligent operating	Intelligent operating	Intelligent operating	Intelligent operating	Intelligent operating	Intelligent operating	Intelligent operating	Intelligent operating
HP hose - REEL 1	80 bm 1/2"	80 bm 1/2"	80 bm 5/8"	80 bm 5/8"	80 bm 1/2" (DN12)	80 bm 5/8" (DN16)	80 bm 5/8" (DN16)	80 bm 5/8" (DN20)
Power	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Hydraulically	Hydraulically
Filling hose - REEL 2	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"	50 bm 3/4"
Power	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Dimension (LxWxH) v mm (960mm Width wheel well)	1550x1300x1260	1550x1300x1260	1550x1300x1260	1550x1300x1260	1500x1300x1260	1500x1300x1260	1500x1300x1260	1500x1300x1260
Weight cca.	615 kg	615 kg	655 kg	655 kg	600 kg	625 kg	cca 800 kg	cca 810 kg
RDO - radio	In price included	In price included	In price included	In price included	In price included	In price included	In price included	In price included



MINI - VAC B

Suction superstructure designed for work in the cities and places, which are not easy approachable with big technology, typically for example in underground car parks. The machine is equipped with tank - volume 1 800 L and variety of drive units and vacuum pumps. We use only the proved components from renowned producers. Total weight of trailer is to 3,5 t and the height is not more than 2 m. We deliver the superstructure in the colour according to your choice. User friendliness, reliability and availability of the service is by our products granted.



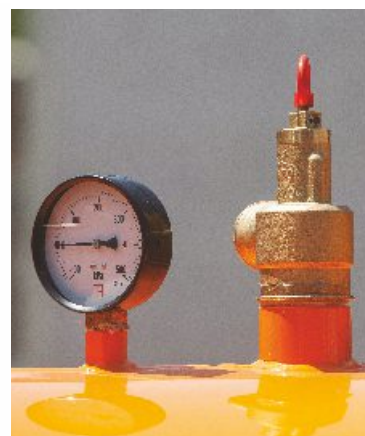


- Construction - treated surface - sandblasted, galvanized, painted
- Ring sludge tank ca. 1 800 L, tilting hydraulically
- Emptying of the sludge tank - by overpressure, tilting
- Rear closing lid - opening mechanically in whole diameter
- Painting RAL - colour according to customer's request
- Intake hose - ca. 2,5 m inkl. Perrot ending

- Drive unit - according to choice engine Kohler or Honda
- Suction unit - JUROP
- Option - Transport reel for suction hose
- Box for tools and accessories
- Level indicator - float
- Halogen light
- Warning flashing light
- Height under 2 m

Basic technical specification:

Type	MINI - VAC BK	MINI VAC BK 2	MINI - VAC BH2	MINI - VAC BK2P	MINI - VAC BH2P
Engine	Kohler CH 440	Kohler CH 620	Honda GX 630	Kohler CH 730	Honda GX 690
Power	14 HP	19 HP	20 HP	23 HP	22 HP
Engine cooling	Air - active	Air - active	Air - active	Air - active	Air - active
Fuel	Benzine	Benzine	Benzine	Benzine	Benzine
Engine start	Electrically	Electrically	Electrically	Electrically	Electrically
Vacuum pump	JUROP PN 45	JUROP PN 58	JUROP PN 58	JUROP PN 84	JUROP PN 84
Power	318 m ³ (5300L/min)	390 m ³ (6500L/min)	390 m ³ (6500L/min)	540 m ³ (9000L/min)	540 m ³ (9000L/min)
Tank volume	1800 L	1800 L	1800 L	1800 L	1800 L
Tank tilting	Hydraulic pump - manual	Hydraulic pump - manual	Hydraulic pump - manual	Hydraulic pump - manual	Hydraulic pump - manual
Suction hose	DN 75 (3") 2,5 m, Perrot	DN 75 (3") 2,5 m, Perrot	DN 75 (3") 2,5 m, Perrot	DN 75 (3") 2,5 m, Perrot	DN 75 (3") 2,5 m, Perrot
Dimension (LxWxH)	4700x1900x1900 mm	4700x1900x1900 mm	4700x1900x1900 mm	4700x1900x1900 mm	4700x1900x1900 mm
Weight (approx.)	1430 kg	1470 kg	1470 kg	1510 kg	1510 kg



MINI-COM

Combined trailer designed for intake and high-pressure cleaning of pipes, with total weight to 3,5 t. Thanks to compact dimensions and height to 2 m, it is possible to use this trailer also in the places, where big machines do not have approach, for example in the cities. There are used only high-quality components in the robust and simple construction, as Kubota, Speck or Jurop. The trailer is delivered in the colour according to customer's wish.





Technical specification - example:

- Surface finished structure - galvanized, painted
- Painting RAL (colour according to customer's wishes)
- Two axle galvanized chassis with adjustable supporting legs (2 in the back, one in the front with wheel)
- Cylinder shape tank 1 800 L divided in two parts:
 - sludge ca. 1 300 L
 - water ca. 500 L
- Sludge tank discharge by overpressure or tilting
- Rear lid mechanically opened in entire diameter
- Mechanical protection by locks
- 2 discharge DN 75 at rear face of the tank (1 direct, 1 at 2/3 tank height)
- High pressure hose reel mounted on the rear lid, controlled hydraulically
- Drum capacity 1/2" - 60 m
 - high-pressure hose - Trelleborg
- Drive - Kubota D 1105T Diesel
- Suction unit - JUROP PN 45
- Power - 318 m³/h - incl. accessories (filters, sludge traps...)
- High-pressure pump Speck 50 L/min. and 150 bar
- Suction arm - manually controlled, turning device in rear section of the tank



Suction vehicles IBOS SACO

The SACO superstructures are used for transport of liquid materials, as well the materials, which belong to ADR regime (optional). The vehicle is designed and built using the high quality components from domestic and foreign production in our workshop in České Budějovice (Czech Republic). The advantage is simple and sturdy construction while keeping the low weight and high load capacity. The specific value of the possible load, which can be transported with the vehicle depends on chosen solution, type of chassis and of course on customer's requirements - beside standard solutions we also offer individual adjustments adapted exactly to your work. We are able to mount our technology on truck chassis, trailer, semitrailer or we can produce it as a practical container.





Combined superstructures IBOS KOMBO

High-performance technology for pipe cleaning is represented by combined vehicles IBOS KOMBO. Company IBOS a. s. produces the custom-made vehicles according to customer's requirements. You can choose from wide range of output and operating parameters - from installation on chassis with 4x2 drive, which excel mainly in easy manoeuvrability and use for example in the city centres, up to heavy and powerful three- or four-axle vehicles, alternatively trailer sets with total weight up to 45 t.

Combined vehicles will help you to clean the clogged house connections and also the main pipe line. They are ideal for quick and efficient pipe cleaning of all types and profiles. Every vehicle is produced with respect to your specific requirements in order to best suit to your needs and demands. The building of the vehicle is focused on the sturdy, heavy-duty and reliable solutions while keeping low weight of the vehicle and its high useful weight.





Combined vehicles IBOS KOMBO and FFG with water recycling

Combined superstructures with water recycling represent currently the most practical solution for pipe cleaning. Efficiency of the output is multiplied by reverse water filtering from already filtered sludge and it's reuse for the cleaning process. The vehicle can work longer without necessary of emptying of sludge or water refilling. This has positive impact on operation process. If necessary, the recycling technology can be mechanically turned off e.g. when working with extremely dirty sludge. As standard chassis three- or four axle chassis used. We are the only company in Czech Republic, which produces and offers solution with recycling using tested components from German producer. If you are interested, we can offer you also the superstructure from German producer FFG, who we represent.





Custom manufacturing

IBOS offers besides standard suction and high-pressure technology for example sprinkler trucks, drinking water tanks, trucks for distribution and maintenance of mobile toilets or mobile high-pressure pumps with their own drive unit. We can develop and deliver atypical solution tailored to a specific task thanks to many years' experiences with design and production.





Demonstration events

Are you interested in any of our products?

We offer it's practical demonstration, when you can test the equipment and become convinced about it's advantages. More information about the conditions of these events will provide you our sales representative.

Sales representative:

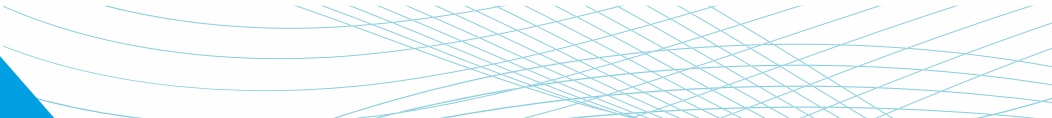
- Martin Hobza
hobza@ibos.cz, +420 608 468 108

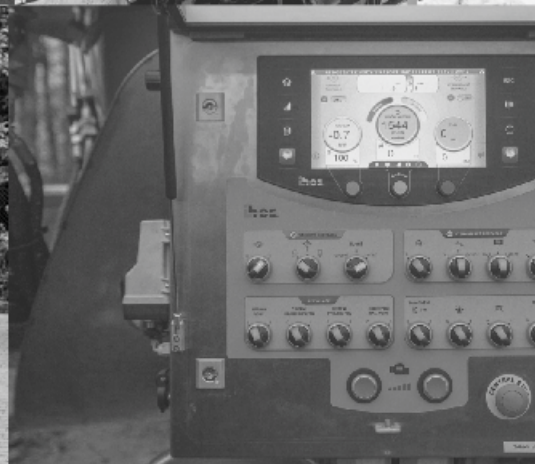
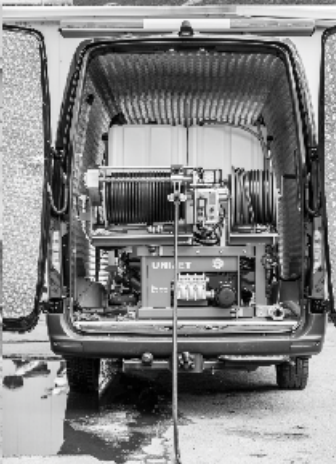
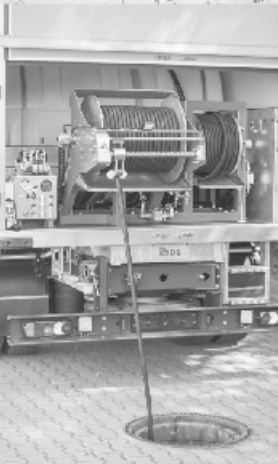
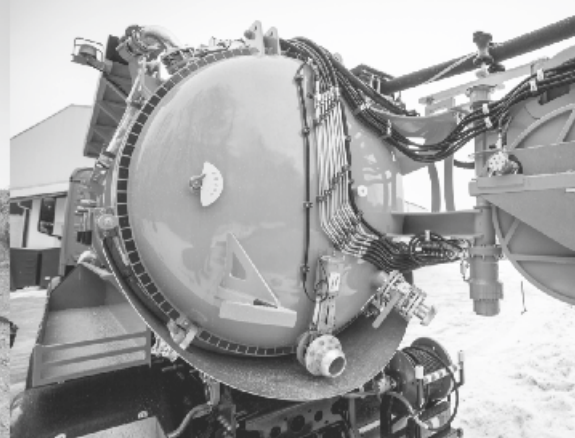


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