



**EZCON** ENVIRONMENTAL VEHICLES



### About EZCON - Corporate

Since we established our company in 1980, we have been leading this industry and Continuing improvement of quality.

EZCON CORPORATION has specially manufacturer of heavy construction equipment's and special purpose municipal equipment such like arm roll trucks, route pack compactors, town pack compactors, food collection trucks, tanker truck, vacuum lorry, wrecker truck, prisoner van, riot vehicle, armed personnel carrier, hydraulic lifter truck, Vaccum Jetting vehicle etc. as a manufacturers of heavy construction equipment and environmental equipment. Since we established our company in 1980, we have been leading this industry and continuing improvement of quality. Based on the high quality of the products mentioned above, we now satisfy our customers' needs and provide our best products. Also, in this globalization era, we have been searching overseas market to Japan, China, South East Asian Countries and Middle East Countries. As the result, we set up our branch office and factory named EZCON CORPORATION and started the Business in Hanoi, Vietnam, Currently DK Vina is perfectly settled and makes rapid progress in Vietnam. We will try our best efforts to become a top leader in this environmental equipment field.

Thank you for reading our message.

# PRODUCTS

COMBINED SEWER JETTING AND CLEANING



VACUUM



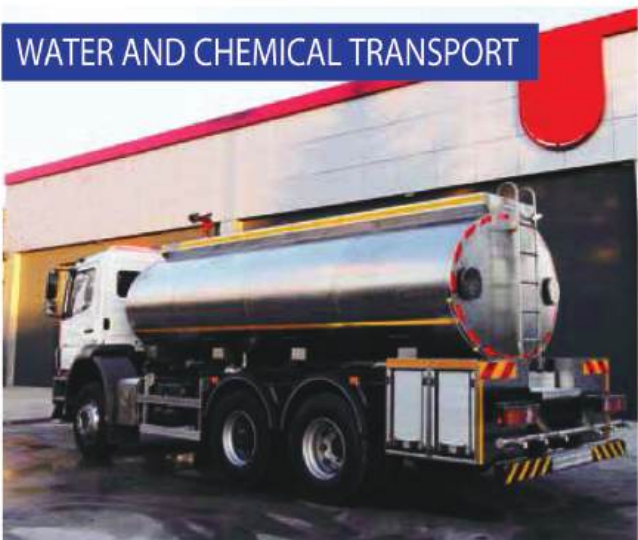
SEWER JETTING



STREET, THUNNEL AND BARRIER WASHING



WATER AND CHEMICAL TRANSPORT



REFUSE COLLECTION



## COMBINED SEWER JETTING AND CLEANING





Our Combined Sewer Cleaning Vehicles provides cleaning the sand, gravel, dirt tracks, bottles, a variety of metal cans, grease, debris and sewage waste which blocking the city sewer system, by shredding and propelling impacts of high pressure water and realization transporting them from where they are.

Vacuum or high-pressure sewer cleaning properties of Combined Sewer Cleaning Vehicles, manufactured in high qualities, are operable both together and separately.

Our vehicles, at the production stage, are supported with extra modern technology, assist the operator with covered equipment and advanced technology. Maximum operating power is supplied in our vehicles with less fuel consumption combined with the method of ecological sensitivity, advanced studies and equipment which we have adopted as our basic principle in our production. All these are an advantage for our customers.

Our Combined sewer cleaning vehicles are offered to customers according to usage fields in 4 different options as S-Combi, M-Combi, L-Combi and XL-Combi.

### Usage Areas

- Cleaning and maintenance of city-type sewer system
- Cleaning and maintenance of industrial-type sewer system
- Transfer of industrial materials
- Transfer of chemical materials

# COMBINED SEWER JETTING AND CLEANING



## Tank

- Two types of tank structure with internal and external clean tank option
- Total 2-15 m<sup>3</sup> waste and clean water tank capacity
- Cr316 Stainless or S355 Carbon tank material
- Movable partition - variable waste/clean water tank volume

## Water

- Up to 250 bar
- High pressure water pump up to 480 lt / min
- Hydraulic winding fixed / rotating, automatic guiding system, main hose reel with 80-300 mt
- ¾" / 1" / 1¼" hose capacity
- Auxiliary hose reel with hydraulic / manual winding 40-120 mt hose capacity

## Vacuum

- Rotary vane / blower / water ring vacuum pump
- -0,90 bar, vacuum capacity up to 11160 m<sup>3</sup> / min
- Suction hose reel with Fixed or Separate suction boom
- Suction boom options 4" / 5" / 6" / 8"



Options

- Anti-freezing protection system
- Wireless control
- Recycling Water System
- Sludge Transfer Pump



VACUUM





Our Vacuum Vehicle offers the best solution for cleaning and removing sludge of sewage and other waste from sewage system by way of vacuuming then transporting by eliminating.

Sucking of sewage and waste into the tank by vacuuming the air in the tank and draining dirty water by applying pressurized air into the tank has been performed by using vacuum pump in our system. Vacuum pump is driven by advanced powertrain applied in our vehicles. Environmentally friendly and our advanced manufacturing power provide an adequate minimum manpower combined with functional equipment. Our Vacuum Vehicle, are offered to customers according to usage fields in 5 different

options as S-Vac, M-Vac, L-Vac, XL-Vac and Trailer-Vac.

### Usage Areas

- Cleaning of solids and liquids accumulated in the city type sewer system
- Sucking of accumulated sludge in subways and tunnels
- Cleaning and transportation of factory waste
- Cleaning and transportation of chemical waste

# VACUUM



## Tank

- Cylindrical tank structure
- Total tank capacity up to 20<sup>3</sup>m
- Cr316 Stainless or S355 Carbon tank material
- Fully opening rear cover, damper unloading system

## Vacuum

- Rotary vane / blower / water ring vacuum pump
- -0,90 bar, vacuum capacity up to 11160<sup>3</sup>m / min
- Suction hose reel with Fixed or Seperate suction boom
- Suction boom options 4 "/ 5" / 6" / 8"

## Options

- Wireless control
- Sludge Transfer Pump
- Crane system
- Rear view camera



# SEWER JETTING



## Tank

- Cylindrical or prismatic type tank structure
- Total tank capacity up to 20<sup>3</sup>m
- Cr316 Stainless or S355 Carbon tank material
- Critical water level warning switch

## Water

- Up to 250 bar
- High pressure water pump up to 480 lt / min
- Hydraulic winding fixed / rotating, automatic guiding system, main hose reel with 80-300 mt  $\frac{3}{4}$ " / 1" /  $\frac{1}{4}$ " hose capacity
- Auxiliary hose reel with hydraulic / manual winding 40-120 mt  $\frac{1}{2}$  hose capacity

## Options

- Anti-freezing protection system
- Wireless control
- Operational nozzle set

# COMPONENT

Whether small or large, simple or complex, mechanical technological, ezcon components are optional or aesthetic structural elements specially designed according to customer requirements to increase machine functionality, ease work and allow for independent maintenance and assembly.

- Main Swivel or Fixed Hose Reel
- Auxillary Hose Reel
- Suction Hose Reel With Fixed Boom
- Suction Hose Reel With Seperated Boom
- Suction Boom
- Recycling
- Stowage System
- Lighting System
- Vacuum Tank Inside Washing System
- Pump Compartments
- Anti Freezing System
- Nozzles
- SCT Modernization



## MAIN SWIVEL OR FIXED HOSE REEL

- Winding with hydraulic control
- Manuel or hydraulic swivelling
- 1" 160 m & ¾" 120 m hose capacity
- Automatic hose guide for excellent winding
- Ip67 Control panel, potentiometer pressure control
- Every 20° locability for easy operate



## AUXILLARY HOSE REEL

- Hydraulic or manuel rotating
- ½" 80 m & ¾" 50 m hose capacity
- Automatic hose guide for excellent winding
- Equipped with washing gun 45 Imp @150 bar



#### ANTI FREEZING SYSTEM

- EZCON vehicle has an anti-freezing system to protect water freezing in the pipes of the system whenever the vehicle is moving or not operating. Water inside the tank is pumped through a water suction and delivery line which consists of a high pressure water pump, a pressure regulator and channel hoses.
- Heating system capable to operating with low temperature such as -25/-30 C.
- One or Two serial mounted water pumps be used for water pumping.
- Pumps are 24/12V DC electrical driven type.
- Heater has a min capacity of 6 kW.
- On/Off control of the heater done by means of an electrical system.

#### NOZZLES

- Made of wear-resistant, Cr Ni 316 stainless steel, provided with front jet insert and blind plug interchangeable. Angle of jet backwards, sturdy wall thickness, long service life and a minimum of wear and tear. Some of types are provided with steelceramic inserts. Because of this, the efficiency is considerably higher compared with those nozzles with drilled holes and the service life is several times longer.

#### SCT MODERNIZATION

- EZCON signed design for SCT vehicles,
- painted by request of customer name located



#### SUCTION HOSE REEL WITH FIXED BOOM

- 4" 20 m & 5" 16 & 6" 12 m suction hose reel capacity
- 270° operating area,
- Telescopic boom, 1300 mm extendable, -5°/+35° vertical movement



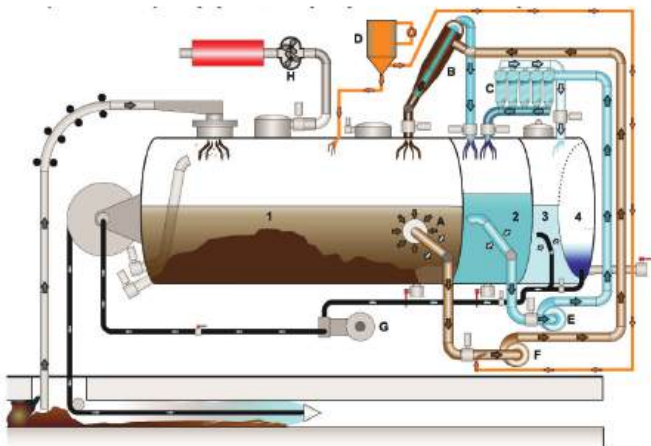
#### SUCTION HOSE REEL WITH SEPERATED BOOM

- 4" 20 m & 5" 16 & 6" 12 m suction hose reel capacity
- 180° operating area,
- Telescopic boom, 1350 mm extendable, -5°/+35° vertical movement



#### SUCTION BOOM

- 4" & 5" & 6" and 8"
- 300 operating area Telescopic boom, 1350 mm extendable
- -13/ +40 vertical movement
- Galvanized anti-corrosion construction
- Wireless or cable control option



#### RECYCLING

- The ezcon water recycling system is an easy functioning system, which works with two filter stages:
- 1st level: a partition intercepts all large particles, so that the recovery can not clog filters, filtering capacity of 300 micron
- 2nd level: a ezcon rotating filter assumes the fine filtration of water for High Pressure Pump
- Thanks to this two-stage recovery system it is even possible to work in muddy canals, filtering capacity of 100 microns
- Filter with continuous rotation and special self-cleaning design



## EZCON SUPERSTRUCTURE FOR VEHICLES

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