THE CLEAN SOLUTION FOR WASTE DISPOSAL
HIGH PRESSURE FLUSHING AND SUCTION VEHICLES
WATERPROOF SOLUTIONS FROM THE SPECIALIST IN FLENSBURG

The elephant product range – a true workhorse for all applications

Whether it’s about removing oil or gasoline residues, transporting wet waste or cleaning sewer systems, with the elephant product range, we offer highly specialized solutions for every task to work efficiently. These include our extremely robust and reliable suction and flushing vehicles, on the cutting edge of technology. They range from 3.5 ton vehicles to 40 tons. Proven standard modules make the product range particularly economical as well as cost effective, and have been proven in practice over many years. It’s no wonder, since the vehicles are the result of over 25 years of experience and know-how at the FFG.

AREAS OF APPLICATION AT A GLANCE

Our vehicles are available in all types of suction and high-pressure flushing technology. For example:

- Sewer cleaning with FFG telescopic boom
- Water reclamation with URACA pressure converter
- Winter operation down to -25 °C
- High pressure applications up to 1,000 bar
- Large cross-section sewer cleaning
- Transportation of contaminated liquids (GGVSE/ADR)
- Oil and grease disposal
- Catch basin cleaning
- Suction of up to 28 meters depth
- Street cleaning vehicles
- High pressure flushing built-in units in panel vans/trucks

Take advantage of our flexible range of products: We create customized solutions for your special projects – with proven components and many years of experience.
**The elephant multi with FFG water recovery technology is a powerful and economical solution for sewer cleaning.** Water recovery means: The water is separated from the suctioned sludge and, until re-use, it is processed so that the high pressure pump can work continuously.

**For working under high pressure**

**ELEPHANT MULTI WITH WATER RECLAMATION TECHNOLOGY**

The elephant multi with FFG water recovery technology is a powerful and economical solution for sewer cleaning. Water recovery means: The water is separated from the suctioned sludge and, until re-use, it is processed so that the high pressure pump can work continuously.

**LET THE WATER FLOW WITH THE URACA PRESSURE CONVERTER**

The URACA pressure converter we employ is completely insensitive to contamination in the water. The performance varies from 330 to 550 liters per minute at a pressure of up to 200 bar.

**LET THE WATER FLOW WITH THE URACA PRESSURE CONVERTER**

**THE ADVANTAGES OF ELEPHANT MULTI**

- Complete control via wireless or cable remote
- Control of operating conditions on a display
- Hydraulically elevated, raised and telescoped boom
- Work facilitated with parallel suction and high pressure hose guidance
- Extremely wide operating range of over 3,500 mm.
- For this, the suction and jetting hose is equipped with auxiliary tandem drives on the boom. The suction and high pressure hose reel is mounted on the tank top to save space.
- Optimum weight distribution due to horizontal high pressure hose reel
- Attractions: appearance and reduced noise at work

**THE NUMBER 1 IN WINTER**

Through our flexible technical options we can offer the right solutions for your particular needs. In addition to the conventional reel system attachments on the end, our innovative telescopic boom system sets new standards in sewer cleaning with an extremely wide operating range of over 3,000 mm.

**THE ADVANTAGES OF ELEPHANT MULTI WITH WATER RECLAMATION TECHNOLOGY**

- Self-cleaning filter system for continuous operation
- URACA pressure converter with proven Mannesmann-Rexroth drive technology
- Significantly less wear than conventional 3-plunger pumps
- Separate speed control of the vacuum pump and high pressure pump
- No wear on the safety valve due to hydraulic overpressure protection
- Maintenance and cleaning requirements of under 15 minutes a day
- Filtering of abrasive materials from recovered water
- Low-maintenance and robust technology
- High throughput capability
- No consumption of valuable drinking water

**THE NUMBER 1 IN WINTER**

Your advantage: full power in icy temperatures. With elephant multi ISO a warm air system provides a safe operating temperature in the van body. Even the hardest winter cannot keep you from your work.

**THE ADVANTAGES OF ELEPHANT MULTI ISO**

- For continuous use at temperatures down to -25 °C
- Containment of the entire body in a sandwich-box body
- Powerful hot air system in the trunk
- Suitable for 3 and 4 axle chassis
- Maintenance doors for all major components
- Lots of storage space in the van body
- The body shape makes it easy to keep clean
- Double design due to the housing and, therefore, protection of critical components from environmental influences
- Optionally available as winter systems for -5 °C/-10 °C/-15 °C
Maximum pressure – minimum cost

**FFG ULTRAHIGH PRESSURE SYSTEMS**

For industrial and specialist cleaning applications we have developed solutions with ultrahigh pressure pumps. The performance range is 30 – 80 liters per minute and pressure up to 1,000 bar. At your request, these ultrahigh pressure systems can be integrated into one of our sewer cleaning designs parallel to a high pressure pump. This saves money and makes your design more flexible.

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**LITTLE ELEPHANT AQUA AND MULTI**

The little one with high performance

**LITTLE ELEPHANT AQUA 1500 WITH THE DUO-TANKSYSTEM®**

The elephant product line also includes the small solutions from Flensburg. The little elephant range is available either as a compact high-pressure flushing unit or as a combined suction and flushing unit with separate sludge and water tanks for sewer cleaning in households.

Of particular note on the little elephant aqua are the stainless-steel water tanks that are built in on both sides in the wheel well area: This tank system provides outstanding handling characteristics and an impressive amount of free space.

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**Come clean with wet waste**

**ELEPHANT VACU – OPTIONS**

**THE PERFECT SOLUTION FOR EVERY TASK**

When it comes to the collection and transportation of wet waste, we offer a variety of different design solutions – ranging from the fast and effective cleaning of catch basins over the professional disposal of grease to the simple implementation of sewage sludge and sewage transportation. In short, We have the right solution for you.

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**Absolute safety when it gets dangerous**

**ELEPHANT VACU – THE DANGEROUS GOODS TRANSPORTER**

SPECIALIST FOR COLLECTING AND TRANSPORTING CONTAMINATED WET WASTE

For special applications in the treatment of wet wastes that are particularly dangerous and require supervision we offer customized solutions with a variety of design types in the usual black and stainless steel for tank codes L4AH and L4BH (according to GG-VSE/ADR). We cover all areas – ranging from industrial waste disposal over oil separation treatment and hazardous waste disposal to complex special applications.

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**THE ADVANTAGES OF THE LITTLE ELEPHANT**

• Outstanding handling characteristics
  Due to the lower center of gravity and the arrangement of the vehicle tank elements on the sides, it offers optimal handling, and noticeably increases driving safety.

• Exceptionally large storage space
  Accessories and tools can be easily arranged and organized in the large space in the vehicle. The shape of the DUO-Tanksystem® is fitted to the vehicle walls, allowing ample room to maneuver and providing additional storage space. Other storage options are available in the front of the vehicle.
A SOLUTION FOR EVERY TASK

SERVICE AND CUSTOMER SUPPORT

To guarantee the best service, we have built an extensive and efficient service network with qualified authorized partners. In addition to our factory in Flensburg and our mobile service, we stand by our partners with fast, comprehensive and local support to solve problems. Even with spare parts you can rely on rapid availability – we have what you need in stock.

For more information simply scan the QR code and find out more on our FFG website.

www.ffg-umwelt.de

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