

AdBlue®

Pump systems for drums, IBCs and tanks



More than just pumps



Versatile pump systems for delivering AdBlue®*

In January 2013 the EURO 6 rule for all newly homologized heavy commercial vehicles will come into force. In comparison to EURO 5: 80 % less nitric oxide (NO x), 50 % less particulate emission (PM). In order to fulfil this stricter rule the manufacturers of commercial vehicles decided mainly on the SCR exhaust after-treatment in conjunction with AGR (exhaust gas recirculation). SCR means Selective Catalytic Reduction. The so-called SCR procedure describes the after-motor transformation of damaging nitric oxides into harmless nitrate and water vapour. This happens in a catalyser which needs the continuous supply of AdBlue®* for this chemical cleaning process. AdBlue®* is the trade name for a synthetically produced 32.5 % solution of high-purity urea in de-mineralised water.

For the optimum and safe delivery of AdBlue®* FLUX holds a pump range especially made up for this medium. Service friendly, handy and constructed for special AdBlue®* requirements several pump systems offer you safety for your whole business. Benefit from our FLUX quality. Perfected and approved pump systems, the use of premium materials, a manufacture "made in Germany", a large range of accessories, a worldwide distribution network and a fast service speak for FLUX pumps!

FLUX pump system for drums of 220 litres

We recommend AdBlue®* in drums of 220 litres at a yearly demand of less than 2 500 litres.

For this, FLUX offers the following pre-configured pump kits for filling and decanting of AdBlue®*.

Advantages

- ▶ Precise filling due to two speeds
- ▶ Optimum emptying of residues
- ▶ Sealless pump guarantees no contamination, no loss of quality

Information:

Pump F 314 PP/S-32/25 in Polypropylene

Sealless version, shaft of Stainless steel, impellor in ETFE, outer-Ø 32 mm, connection thread G 1 A

Commutator motor 230 Volt, 50 Hz, 230 Watt, IP 24, with 2-speed switch for sensitive filling

Power supply cable 5 m and 2-pole plug

Accessory:

Hose connection PP, 2 m PVC hose DN 19, with lever tap of PP with special outlet nozzle Ø 19 mm, seals FKM

Part No./weight

Immersion length 1 000 mm

10-314 44 ZV2/2.4 kg

Optionally available:

- ▶ Self-locking lever tap with magnet switch for a safe and exact filling. This switch only allows filling in connection with a magnet adapter which has to be installed into the AdBlue®* filler.
- ▶ Flow meters FMT 120



FLUX pump system for IBCs

We recommend AdBlue®* in containers of 1 000 litres at a yearly demand of more than 2 500 litres.

For this, FLUX offers the following pre-configured pump kits for filling and decanting of AdBlue®*.

Advantages

- ▶ Precise filling due to four speeds
- ▶ Optimum emptying of residues
- ▶ Sealless pump guarantees no contamination, no loss of quality
- ▶ Easy handling due to light weight
- ▶ Thermal switch/overload cut-out switch

Self-locking lever tap with magnet switch guarantees:

- ▶ Safe, exact filling
- ▶ No misfuelling due to magnet switch

6 m special hose DN 16:

- ▶ Flexible, robust and resistant
- ▶ Connection threads in Stainless steel



Information:

Drum pump F 424 PP/S-4 $\frac{1}{3}$ 5Z in Polypropylene

Sealless version, shaft in Stainless steel, impellor in ETFE, Outer-Ø 40 mm, foot piece Ø 41 mm, thread on outlet G 1 ¼ A

Commutator motor FEM 4070, 230 Volt, 50 Hz, 500 Watt, Splash-proof according to IP 24, adjustable in 4 speed ranges, with no-volt release

Power supply cable 5 m long and 2-pole plug

Accessory:

6 m special hose DN 16,
Self-locking lever tap and compression gland conductive PP (G2)

Part No./weight

Immersion length 1 200 mm **10-407 41 ZV6/10.3 kg**

For the above mentioned pump kit our FLUXCAP for IBCs is also optionally applicable. When taking out the pump, the cover closes automatically what prevents contaminations.

Special benefits and features FLUXCAP:

- ▶ Replaces complex CDS system
- ▶ Easy to handle
- ▶ Lead-sealing is possible with glue seal
- ▶ No self-priming pump necessary
- ▶ No pump failure in case of leakage in the hose



* AdBlue® is a registered trademark of: Verband der Automobilindustrie e.V. (VDA)

FLUX centrifugal immersion pump F 640 PP

We recommend AdBlue®* in tanks at a yearly demand of more than 5 000 litres.

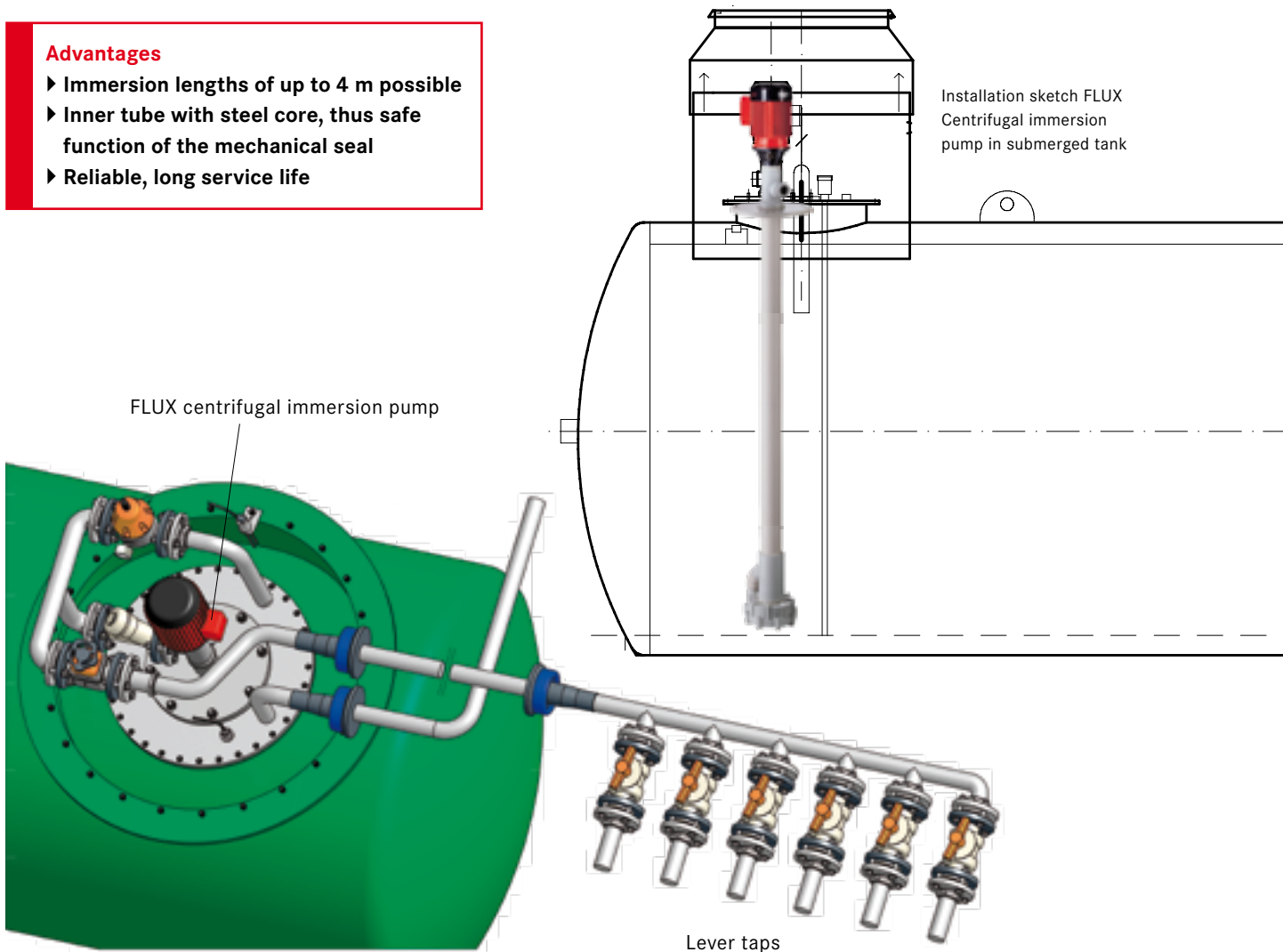
These pumps in Polypropylene are used in filling stations where two to six fuel dispensers are to be supplied with AdBlue®*.

These pumps are especially made up to the customers' requirements.

Depending on the installation by the builder of the filling station the pumps are equipped with a thread on outlet G 2 A or a bearing flange, mounting flanges in different sizes guarantee safe installation in the manhole pit. In order to obtain the requested delivery rate centrifugal impellers of either Stainless steel or PP in different sizes are available. Three-phase motors with a power of 1.5 – 4 kW are used.

Advantages

- ▶ Immersion lengths of up to 4 m possible
- ▶ Inner tube with steel core, thus safe function of the mechanical seal
- ▶ Reliable, long service life



Optionally available:

- ▶ Individually configured switch board with frequency converter for activating the pump(s)!
- ▶ Different connectors such as ball valves, valves, level sensors and many more ...

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