A FLUX Barrel Pump is always a "Two-Component-Team" consisting of a motor and a pump. Both components are universally interchangeable.

The new FLUX barrel pump can be operated by different drive motors. On the other hand a whole wide range of different pump designs is available for each motor. Hence you benefit from an utmost flexibility.

Hence you benefit from an utmost flexibility.

Both components are always a "Two-Component-Team" consisting of a motor and a pump.

---

### Material type (products)

- **FLUX Barrel and Container Pumps**
- **FLUX High Viscosity Liquid Pumps**

---

### Motors and Pumps tested and certified for Use in Hazardous Areas

Motors and pumps are tested and certified for use in hazardous areas.

---

### FLUX High Viscosity Liquid Pumps

- **Voltage**
- **Material**
- **Diameter**
- **Nominal Length**
- **Max. Delivery Rate**
- **Design / Standards**

**Voltage**

- 230 Watt
- 450 Watt
- 460 or 700 Watt
- 800 Watt

**Material**

- Stainless steel 316 L / 316 Ti (S)
- Stainless steel
- Polypropylene (PP), PVDF or Stainless steel
- Aluminum alloy (AL)
- Hastelloy C (HC)

**Diameter**

- 1 – 2,5 mm
- 3 – 8,5 mm
- 6 – 17 mm
- 10 – 28 mm

**Nominal Length**

- 500 – 1000 mm
- 1000 – 1500 mm

**Max. Delivery Rate**

- 1,8 – 3,2 kg
- 3,5 – 6 kg
- 7 – 9 kg
- 6 – 9 kg
- 5 – 7,5 kg
- 8 – 10 kg
- 3 – 5 kg
- 7 – 10 kg
- 13 – 26 kg
- 6 – 12 kg
- 10 – 16 kg
- 10 – 30 kg
- 10 – 30 kg

**Design / Standards**

- CE
- ATEX
- 3A

---

### Protection class Standards

Protection against sparking and against sparking and ignition of dust or metal filler dust.

**Protection class Standards**

- CE IEC 60079-0
- IEC 61508
- IEC 61010

---

### Battery Water Pump

FLUX Barrel Pumps are tested and certified according to Directive 94/9/EC-ATEX 100a, category 1/2 for use in Zone 0 for transferring liquids with flammability values up to 1. These must not correspond to the models shown in above pictures.

---

### NEW

FLUX barrel pumps in stainless steel (S) and Hastelloy C (HC), except sanitary pump F 427, are tested and certified according to Directive 94/9/EC-ATEX 100a, category 1/2 for use in Zone 0 for transferring high flammability liquids in combination with explosion-proof motors (brushless, commutator or compressed air). Models XA and XB tested and certified according to Directive 94/9/EC-ATEX 100a, category 1/2 for use in Zone 0 for transferring flammable liquids.

---

### VDE, GS, SEV and UL standards

All models are tested and certified according to VDE, GS, SEV and UL standards.

**VDE, GS, SEV and UL standards**

- F 416 Ex
- F 416-1 Ex
- F 416-2 Ex

---

### NEW

NEW

NEW

NEW

NEW

NEW

NEW
FLUX AIR-OPERATED DIAPHRAGM PUMPS

Type FDM and Type RFM

FLUX air-operated diaphragm pumps are available in 2 designs: moulded design Type FDM and massive construction type RFM. Both types are genuine allrounders for the safe, reliable and careful (no shearing) transfer of thin to medium viscosity liquids, even with solids in suspension, as well as abrasive, high flammability or aereated liquids. The pumps are submersible, suitable for dry operation and ideal for use in hazardous areas. Each type is available in different models and versions because of a great variety of possible material combinations of the wetted parts.

Models:

- FDM: 1/4" up to max. 25 l/min
- FDM: 1/2" up to max. 50 l/min
- FDM: 1" up to max. 200 l/min
- FDM: 1 1/2" up to max. 460 l/min
- FDM: 2" up to max. 740 l/min
- FDM: 3" up to max. 1000 l/min

Max. suction head: up to 1000 m water column

Max. operating pressure: up to 8 bar

Materials (pump housing):
- Polypropylene (PP), Polypropylene/fluoride (PFD), Polyvinyl fluoride (PVDF)
- Aluminium alloy (Al), Stainless steel 316 Ti (S), Cast iron (GG)

Also in explosion-proof version according to Directive 94/9/EC-ATEX 100a

Barrel Pumps
Container Pumps
High Viscosity Liquid Pumps
Centrifugal Immersion Pumps

Minimum operating pressure: 0.3 bar, Revolutions: 0.1 - 330 l/min

FLUX LIQUID METERS

FLUX Liquid Meters Type FMC and Type FMO

with electronic digital display, explosion-proof to II 3 G Ex db IIB T4, according to Directive 94/9/EC-ATEX 100a

Liquid meter, nutating disc (type FMC) or oval rotor (type FMO) type, for portable use or accessory installation. Suitable for neutral, corrosive, high flammability and/or viscous liquids up to 500,000 mPas (cP)

With easy-to-read 13 mm LCD display, showing all figures either in litres, gallons or US gallons, depending on the program selected.

LCD display: Materials: max. operating pressure:

- moulded Polypropylene (PP) 4 bar
- with: ethylene-tetrafluor-ethylene 4 bar (ETFE)
- display of the Stainless steel 316 Ti (S) 53 bar

Min. operating pressure: 0.3 bar, Revolutions: 0.1 - 330 l/min

NEW: FLUX Process Control System PCS – the intelligent system for computerized liquid handling operations

www.flux-pumpen.com