



 **fluimac**[®]
PUMPS WE TRUST

**DRUM
PUMPS**



NEPTUNE



MANUAL HAND PUMPS

Are always a useful and cost effective alternative to conventional electric or air operated drum pumps when only small quantities of media have to be removed out of canisters or drums or if the customer would use the drum pump only occasionally or rarely.

ELECTRIC OR AIR OPERATED DRUM AND CONTAINER PUMPS

Drum and container pumps consist of a high-performance, internally or externally ventilated universal motor, which is also available in an explosion-proof version and a pump tube that is suitable for the application. The pump tubes of drum pumps are available in PP, PVDF, ALUMINIUM, SS 316.



POLYPROPYLENE (PP)

Are suitable for neutral, aggressive and hardly combustible liquids. They are used specifically for pumping aggressive chemicals such as acids, alkalies or detergents. Drive shaft: hastelloy 2,4610. Media temperature: max. 50 °C.



PVDF

Are especially suitable for highly aggressive liquids such as concentrated acids and bases. Drive shaft: Hastelloy 2,4610. Media temperature: max. 90 °C.

ALUMINIUM (ALU)

Are suitable for neutral and hardly combustible liquids. With these pump tubes particularly mineral oil products up to a maximum viscosity of 1,000 mPas will be transferred. Drive shaft: Stainless steel 316 Media temperature: max. 90 °C.

STAINLESS STEEL 316Ti

Are used for all neutral, slightly aggressive liquids such as diluted acids, alkalies or detergents and thin fluid food. Drive shaft: stainless steel 316. Media temperature: max. 90 °C.

N-180



N-280



N-AIR 1



N-460



N-41 PP

PUMP TUBES MADE OF POLYPROPYLENE

Standard Tube Lengths 700mm | 1000mm | 1200mm



PP pump tubes

Drive shaft made of stainless steel AISI 316 or hastelloy 2,4610.

Hose connection 1" included.

Maximum medium temperature 50 °C.

N-41 PP

POLYPROPYLENE WITH HASTELLOY DRIVE SHAFT 2,4610

| PUMP TUBE DIAMETER | PUMP TUBE LENGTH | VERSION | CODE |
|--------------------|------------------|---------|-----------|
| Ø 41 mm | 700 mm | ROTOR | 2641 0070 |
| Ø 41 mm | 1000 mm | ROTOR | 2641 0100 |
| Ø 41 mm | 1200 mm | ROTOR | 2641 0120 |



AXIAL ROTOR

Standard in all pump tubes

Pump tubes with rotor are used when high capacities and low heads are required.

SPECIAL LENGTHS ARE AVAILABLE ON REQUEST

N-41 PVDF

PUMP TUBES MADE OF PVDF

Standard Tube Lengths 700mm | 1000mm | 120mm



PVDF pump tubes

Drive shaft made of hastelloy 2,4610.

Hose connection 1" included.

Maximum medium temperature 90 °C.

N-41 PVDF

PVDF WITH HASTELLOY DRIVE SHAFT 2,4610

| PUMP TUBE DIAMETER | PUMP TUBE LENGTH | VERSION | CODE |
|--------------------|------------------|---------|-----------|
| Ø 41 mm | 700 mm | ROTOR | 2341 0070 |
| Ø 41 mm | 1000 mm | ROTOR | 2341 0100 |
| Ø 41 mm | 1200 mm | ROTOR | 2341 0120 |



AXIAL ROTOR

Standard in all pump tubes

Pump tubes with rotor are used when high capacities and low heads are required.

SPECIAL LENGTHS ARE AVAILABLE ON REQUEST

N-41 ALU

PUMP TUBES MADE OF ALUMINIUM

Standard Tube Lengths 700mm | 1000mm | 1200mm



ALUMINIUM pump tubes

Drive shaft made of stainless steel AISI 316.

Hose connection 1" included.

Maximum medium temperature 90 °C.

N-41 ALU

PVDF WITH HASTELLOY DRIVE SHAFT 2,4610

| PUMP TUBE DIAMETER | PUMP TUBE LENGTH | VERSION | CODE |
|--------------------|------------------|---------|-----------|
| Ø 41 mm | 700 mm | ROTOR | 2441 0070 |
| Ø 41 mm | 1000 mm | ROTOR | 2441 0100 |
| Ø 41 mm | 1200 mm | ROTOR | 2441 0120 |



AXIAL ROTOR

Standard in all pump tubes

Pump tubes with rotor are used when high capacities and low heads are required.

SPECIAL LENGTHS ARE AVAILABLE ON REQUEST

N-41 SS

PUMP TUBES MADE OF STAINLESS STEEL 316

Standard Tube Lengths 700mm | 1000mm | 120mm



STAINLESS STEEL = SS Pump tubes with Ex approval, outside Ex-areas max. 90°C

Drive shaft made of stainless steel AISI 316.
Hose connection 1" included.

⚠️ EC type examination certificate number
ZELM 09 ATEX 0424 X - ⚠️ II 1/2 G c IIB T4
Maximum medium temperature 90 °C.

N-41 SS

STAINLESS STEEL AISI 316 TUBE & SHAFT

ATEX APPROVAL- ZELM 09 ATEX 0424 X - ⚠️ II 1/2 G c IIB T4

| PUMP TUBE DIAMETER | PUMP TUBE LENGTH | VERSION | CODE |
|--------------------|------------------|---------|-----------|
| Ø 41 mm | 700 mm | ROTOR | 2241 0070 |
| Ø 41 mm | 1000 mm | ROTOR | 2241 0100 |
| Ø 41 mm | 1200 mm | ROTOR | 2241 0120 |



AXIAL ROTOR

Standard in all pump tubes

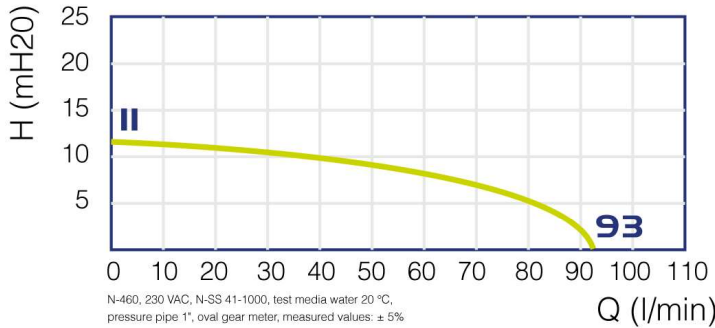
Pump tubes with rotor are used when high capacities and low heads are required.

SPECIAL LENGTHS ARE AVAILABLE ON REQUEST

N-180

230 Volt. 50/60 Hz. 640 Watt. IP 24


230 Volt, 50/60 Hz, 640 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug. Speed control as option.



OPERATING DATA

| | |
|------------------|----------------|
| FLOW RATE | Up to 93 l/min |
| HEAD | Up to 11m |
| VISCOSITY | Up to 600 mPas |
| DENSITY | Up to 1,5 |

N-180

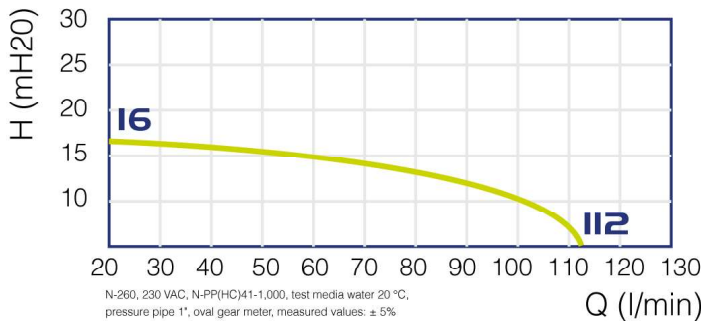
| N-180 | VERSION | VOLTAGE | CODE |
|---|---------------|--------------------------|-----------|
|  | with LVR | 230 V 1~,50/60 Hz, 640 W | 1180 2301 |
| | with LVR + SC | 230 V 1~,50/60 Hz, 640 W | 1180 2303 |

LVR: Low voltage release
Sc: Speed control

N-280

230 Volt. 50/60 Hz. 825 Watt. IP 24


230 Volt, 50/60 Hz, 825 Watt, IP 24, double insulation protection class II, over load protection switch with integrated low voltage release. 5 m cable with plug. Speed control as option.



OPERATING DATA

| | |
|------------------|------------------|
| FLOW RATE | Up to 112 l/min |
| HEAD | Up to 16m |
| VISCOSITY | Up to 1,000 mPas |
| DENSITY | Up to 1,9 |

N-280

| N-280 | VERSION | VOLTAGE | CODE |
|---|---------------|--------------------------|-----------|
|  | with LVR | 230 V 1~,50/60 Hz, 825 W | 1280 2301 |
| | with LVR + SC | 230 V 1~,50/60 Hz, 825 W | 1280 2303 |

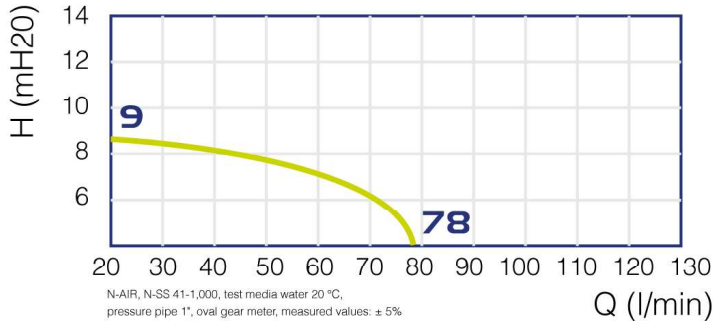
LVR: Low voltage release
Sc: Speed control

N-AIR 1

300 Watt at max 6 bar operating pressure, IBEX U05 ATEX B007 X



300 Watt at max 6 bar operating pressure, with silencer and a brass ball valve for control compressed air. This regulates speed of the motor and varies pumping capacity.



OPERATING DATA

| | |
|------------------|----------------|
| FLOW RATE | Up to 78 l/min |
| HEAD | Up to 9m |
| VISCOSITY | Up to 400 mPas |
| DENSITY | Up to 1,3 |

IBEX U05 ATEX B007 X

N-AIR 1

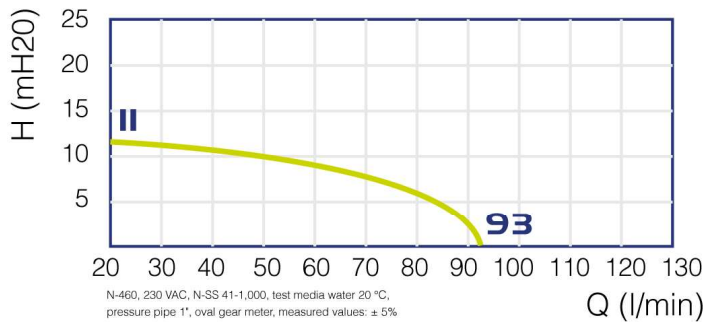
| N-180 | VOLTAGE | CODE |
|-------|---|-----------|
| | 300 Watt at max. 6 bar operating pressure Air consumption under load 13 l/sec. | 3001 0300 |

N-460

230 Volt, 50/60 Hz, 640 Watt, IP 55, II 2G Ex db IIC T6 Gb



230 Volt, 50/60 Hz, 640 Watt, protection class II 2G Ex db IIC T6 Gb, IP 55, with integrated low voltage release, 5 m cable without plug. Optional with Ex-plug.



OPERATING DATA

| | |
|------------------|----------------|
| FLOW RATE | Up to 93 l/min |
| HEAD | Up to 11m |
| VISCOSITY | Up to 600 mPas |
| DENSITY | Up to 1,5 |





II 2G Ex db IIC T6 Gb

N-460

| N-280 | VERSION | VOLTAGE | CODE |
|-------|----------|--------------------------|-----------|
| | with LVR | 230 V 1~,50/60 Hz, 640 W | 1460 2301 |

LVR: Low voltage release

MANUAL PUMPS

| MODEL | APPLICATION | CODE |
|---|---|--|
|  <p>N-04 YELLOW (FKM)</p> <p>N-04 RED (EPDM)</p> <p>N-04 BLUE (NBR)</p> <p>N-04 BLUE/WHITE (PTE)</p> | <p>For acids (yellow), mineral oil products (blue), alkaline solutions (red) and thin liquid food (blue/white).</p> | 6004 0000 |
| | | 6004 0001 |
| | | 6004 0002 |
| | | 6004 0003 |
| <p>CHARACTERISTICS</p> | | <p>Pump material: Polypropylene - Shaft: Polypropylene - Seals: depending on the media - Flow rate: ca. 0,3 l/stroke* - Hose connection: 3/4" - The telescopic suction tube is adjustable from 500 to 950 mm and has a diameter of max. 34 mm.</p> |
|  <p>N-08</p> | <p>Hand-crank rotary pump for chemicals. The pump is suitable for thin fluid, highly aggressive media such as acids and alkalies.</p> | 6008 0000 |
| | <p>CHARACTERISTICS</p> <p>Pump material: PVDF - Seals: PTFE - Flow rate: 0.3 l/rotation* - Suction tube length: 3 x 35 cm - Pump complete with discharge arc and drum adapter G 2" - Regular PTFE lubrication required.</p> | |
|  <p>N-13</p> | <p>Metal hand crank rotary pump. The pump is suitable for diesel, heating oil, oils (up to SAE 90) and all other self-lubricating, non-aggressive and non-flammable media.</p> | 6013 0000 |
| | <p>CHARACTERISTICS</p> <p>Material: pump housing made of cast iron - Seals: NBR - Flow rate: 0,25 l/rotation* - Pump tube diameter: 53 mm - Suction tube length: 1000 mm; - therefore suitable for smaller containers and 200 liter drums - Pump complete with discharge arc and drum adapter G 2".</p> | |
|  <p>N-16</p> | <p>Fire brigade hand pump ATEX compliant, single-acting hand pump that can be used for following media of hazard classes A I-III: Diesel, heating oil, fuel, petroleum, anti freezing liquid for cooler (undiluted), thin fluid mineral oils and rapeseed methyl ester.</p> | 6016 0000 |
| | <p>CHARACTERISTICS</p> <p>Execution for fire brigade with flexible suction hose instead of a rigid tube. Suction hose DN 19 x 4; 1,5 m. Discharge hose DN 19 x 4; 1,5 m. Flow rate: app. 0,25 l/stroke* - In pump housing integrated drum adapters with M 64x4 and G 2" enable an easy fixing in drum.</p> | |

ACCESSORIES

| | | | |
|---|---|-------|------|
|  | Barrel adapter made of polypropylene | Ø 41 | 9001 |
| <p>(PP and PVDF pump tube) for fixing the barrel pump in the bung hole of a drum, diameter of pump tube 41 mm, G 2"</p> | | | |
|  | Barrel adapter made of stainless steel | Ø 41 | 9002 |
| <p>For secure fixing of drum pump in bung hole of a drum, diameter of pump tube 41 mm, G 2"</p> | | | |
|  | Emission proof drum adapter | PP | 9024 |
| <p>For pump tube diameter 41 mm FKM-seals prevent emission of harmful gases and vapours out of the drum. A vacuum in drum is equalized by a valve.</p> | | | |
| | | BRASS | 9025 |
| | | SS | 9026 |
|  | Bounding ground set | | 9003 |
| <p>These ground wires with connection clamps are absolute necessary when pumping flammables or for use in hazardous areas. This set can be used as an electric conductive connection between the drum pump and the container for earthing and balancing out the energy resources.</p> | | | |
|  | Strainer | PP | 9011 |
| <p>For protection the barrel pump when abrasive particles are present. Polypropylene. Size of slots 1,5 x 12 mm, tube-Ø 40, 41 or 42 mm - Stainless steel 316. Size of slots 1,5 x 20 mm, tube-Ø 41 mm</p> | | | |
| | | SS | 9012 |
| | | PVDF | 9230 |
|  | 1" Nozzle made of polypropylene | FKM | 9103 |
| <p>Housing and internal parts in polypropylene - Valve seat and seals made of FKM or EPDM - Rotatable hose connection - Flow rate: 80 l/min - Viscosity: 800 mPas Operating pressure: 3 bar - Weight: 210 g</p> | | | |
| | | EPDM | 9106 |
|  | 1" Nozzle made of PVDF | FKM | 9109 |
| <p>Housing and internal parts in PVDF - Valve seat and seals made of FKM - Rotatable hose connection - Flow rate: 80 l/min- Viscosity: 800 mPas - Operating pressure: 3 bar - Weight: 210 g</p> | | | |
|  | 1" Nozzle made of stainless steel 316 | | 9013 |
| <p>Housing and internal parts in SS 316 - Valve seat and seals made of PTFE - Hose connection 1" - Flow rate: 80 l/min - Viscosity: 900 mPas - Operating pressure: 4 bar - Medium temperature: max. 80 °C - Weight: 1 kg</p> | | | |
|  | 1" Nozzle made of aluminium | | 9032 |
| <p>Housing and internal parts in ALU - Valve seat and seals made of NBR - Hose connection 1" - Flow rate: 60 l/min* - Hose connection ALU</p> | | | |
|  | Electronic flow meter FM 120 | PP | 9020 |
| <p>Turbine gear meter are suitable for low viscous, water-like media and are available in PP, PVDF and stainless steel.</p> | | | |
| | | PVDF | 9021 |
| | | SS | 9008 |