



*INDUSTRIAL PUMPS
SINCE 1982*

TR - PRODUCTION PROGRAM



Made in Italy

TR - TRANSFER PUMPS

MAIN FEATURES:

Available in PP, PVDF e Aisi 316

Inexpensive;

Portable;

Handles corrosive liquids;

Viscosity up to 900 cps;

Available with either electric or pneumatic motor;

Adjustable flow rate (pneumatic version);

No mechanical seals;

Easily dismantled;

Dip tube length = 900 mm or 1200 mm;

Flow rate up to 90 l/min.

Max. operating temperature:

PP min +3°C/max +65°C

PVDF min +3°C/max +95°C

AISI 316 min +3°C/max +95°C

* Standard electric motor single-phase 50/60Hz

These **portable** drum-transfer immersion pumps are designed to pump corrosive liquids. Their special shape ensures that any spillages are collected in the drum.

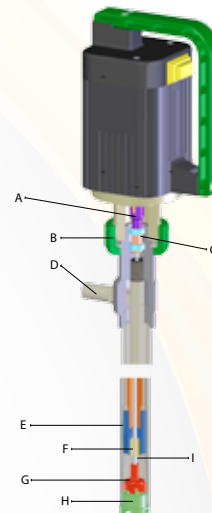
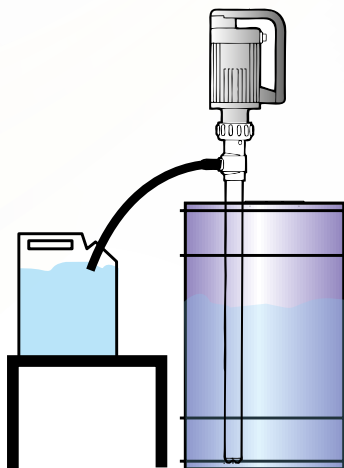
Available with fully-interchangeable **electric or pneumatic motor**, these pumps have an open impeller that allows continuous pumping of clean corrosive liquids having **apparent viscosity of up to 600 cps with 500-watt electric and pneumatic motor (at 20°C) and 900 cps with 800-watt electric motor (at 20°C)**. TR-EL series pumps driven by an electric motor are also fitted with a safety cut-out switch that prevents accidental restart after a power outage.

INSTALLATION

TR drum transfer pumps **should only be used with the shaft positioned vertically and the pump immersed in the drum**, whilst **liquid must be present**. Running dry or with air bubbles can cause **damage to the internal shaft guide bushing**.

HOW IT WORKS

The impeller is integral with the shaft and coupled to the electric or pneumatic motor that makes it rotate, thus creating the centrifugal effect.



- A = drive coupling
- B = motor ring nut
- C = bearing
- D = delivery duct
- E = dip tube
- F = PTFE bushing
- G = impeller
- H = suction port
- I = shaft

COMPOSITION CODES

ex. TRP1200EL

TR in PP, shaft in Hastelloy, suction hose length 1200 mm, electric motor

| TR | P | H | 1200 | EL |
|---------------------|---|-------------------------------|---------------------------------|--|
| Pump model | Material Pump | Material Shaft | Suction hose length | Motor |
| TR - TRANSFER PUMPS | P - Polypropylene F - PVDF A - Aisi 316 | H - Hastelloy A - Aisi 316 | 0900 (900 mm) 1200 (1200 mm) | EL* - Electric motor PN - Pneumatic motor |



TRP BODY PP

| | |
|-------------------|----------------------|
| Suction hose | ø 42 mm |
| Hose clamp | ø 25 mm |
| Max. temp. | 60°C |
| Total Weight Kg | 1,4/1,7 |
| Suct. hose mat. | PP |
| Shaft material | HASTELLOY or Aisi316 |
| Bushing material | PTFE |
| Rotor material | ECTFE |
| Intake port. mat. | PP |
| Internal parts | PP+PTFE |
| Lenght | 900/1200 |



TRF BODY PVDF

| | |
|-------------------|-----------|
| Suction hose | ø 40 mm |
| Hose clamp | ø 25 mm |
| Max. temp. | 95°C |
| Total Weight Kg | 1,6/1,9 |
| Suct. hose mat. | PVDF |
| Shaft material | HASTELLOY |
| Bushing material | PTFE |
| Rotor material | ECTFE |
| Intake port. mat. | ECTFE |
| Internal parts | PVDF+PTFE |
| Lenght | 900/1200 |



TRA BODY AISI 316

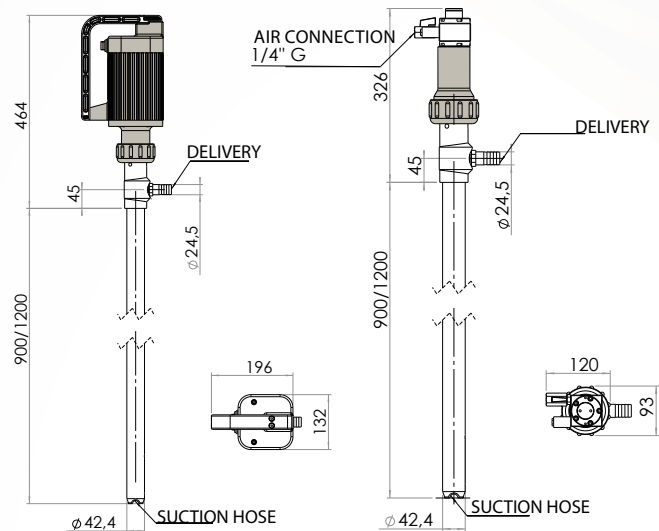
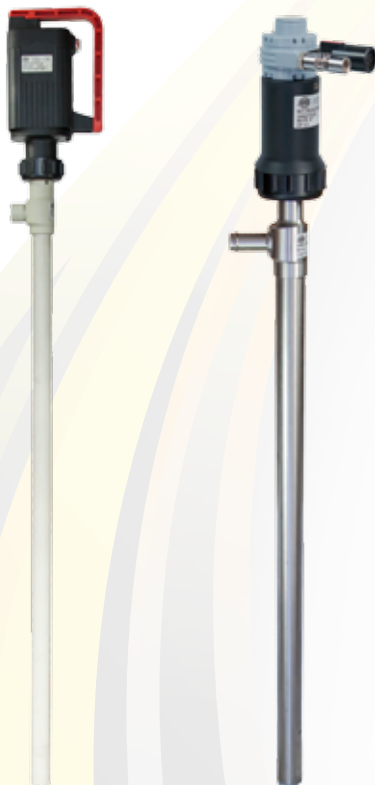
| | |
|-------------------|------------|
| Suction hose | ø 42,5 mm |
| Hose clamp | ø 25 mm |
| Max. temp. | 95°C |
| Total Weight Kg | 4,3/5,3 |
| Suct. hose mat. | Aisi 316 |
| Shaft material | Aisi 316 |
| Bushing material | PTFE |
| Rotor material | ECTFE |
| Intake port. mat. | ECTFE |
| Internal parts | PTFE+PPS-V |
| Lenght | 900/1200 |



TRAX **EX** BODY AISI 316

PTB 03 ATEX 400X II1/2 G c IIB T4

| | |
|-------------------|---------------|
| Suction hose | ø 42,5 mm |
| Hose clamp | ø 25 mm |
| Max. temp. | 95°C |
| Total Weight Kg | 3/4,4/5,3 |
| Suct. hose mat. | Aisi 316 |
| Shaft material | Aisi 316 |
| Bushing material | PTFE |
| Rotor material | ECTFE |
| Intake port. mat. | ECTFE |
| Internal parts | PTFE+PPS-V |
| Lenght | 700/1000/1200 |

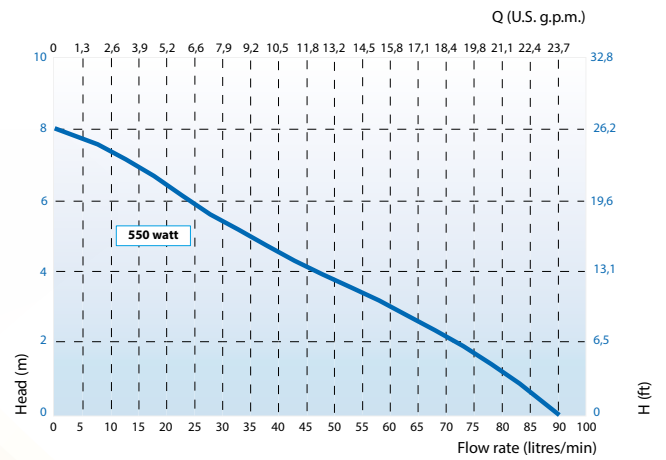
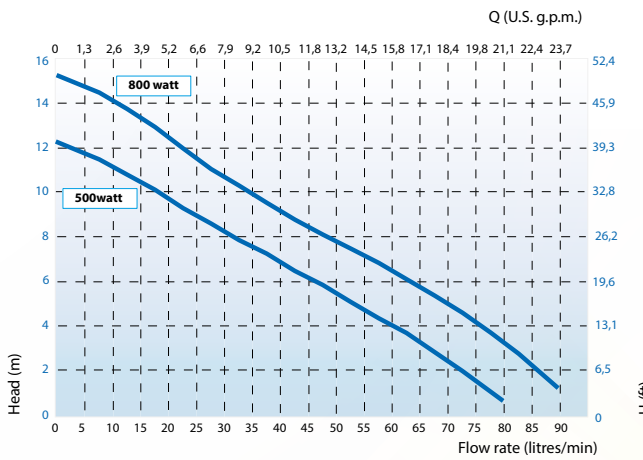


The dimensions shown are in mm

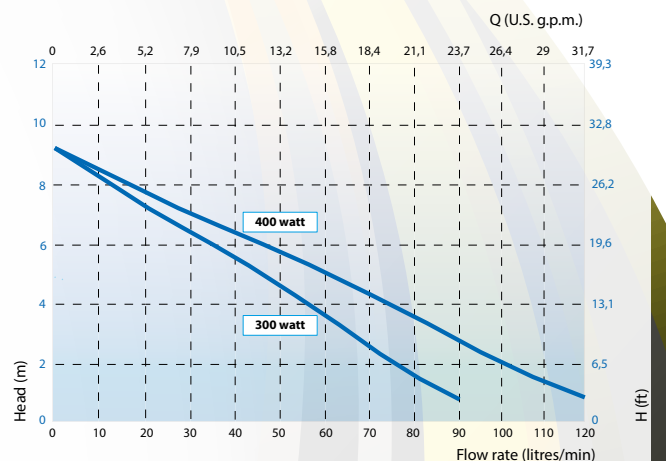
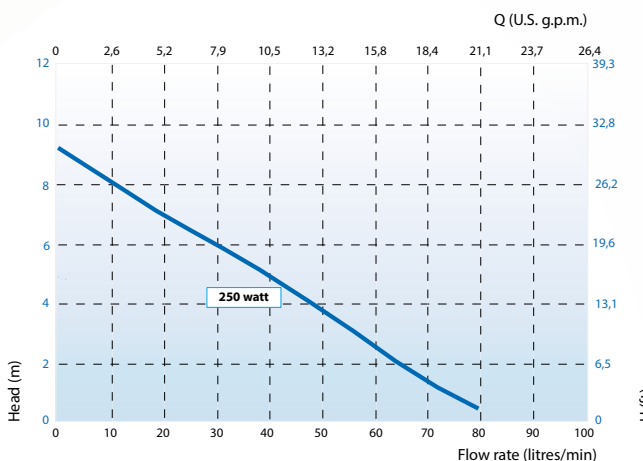
TR - TRANSFER PUMPS



| | Motor power | Motor voltage | Motor protection | Motor class | Flow rate | Viscosity | Weight in Kg |
|---|-------------|-----------------------------|------------------|-------------|-----------|-----------|--------------|
| electric motor 500 watt | 500 watt | 230 V/115V* single phase | IP 54 | F | 80 l/min | 600 cps | 3,7 |
| *on request | | | | | | | |
| electric motor 800 watt | 800 watt | 230 V single phase | IP 54 | F | 90 l/min | 900 cps | 3,7 |
| electric motor 550 watt with earth cable and EX plug | 550 watt | 230 V single phase | IP 54 | F | 100 l/min | 600 cps | 11 |
| Ex II 2 G Ex de IIA T6 | | | | | | | |



| | Motor power | Flow rate | Viscosity | Weight Kg |
|--|------------------------------|-----------|-----------|-----------|
| pneumatic motor | 0,33 HP a 7bar (250 watt) | 80 l/min | 600 cps | 1,1 |
| pneumatic motor Ex II 2 G Ex de IIA T6 (80°C) X | 0,40 HP a 6bar (300 watt) | 90 l/min | 400 cps | 3 |
| pneumatic motor Ex II 2 G Ex de IIA T6 (80°C) X | 0,54 HP a 6bar (400 watt) | 120 l/min | 600 cps | - |



The curves and performance values refer to pumps spare delivery outlet and water at 20°C.

FLOW METERS PP - PVDF

Flow meters are fitted exclusively to centrifugal or drum-transfer pumps and can measure either the pump's instantaneous flow rate or the total number of litres of liquid delivered. The reading appears on the incorporated display.



DISPENSER PP - ALU - INOX - PVDF

Made in polypropylene, aluminium alloy, stainless steel, PVDF and equipped with delivery trigger.



T-BOLT CLAMPS

High-strength clamps for spiralled hose



DIP TUBE FILTER PP - INOX

It is made in polypropylene and inox and allows fluids to be filtered at the intake. For TR pumps only.



REINFORCED HOSE

Food-grade PVC construction with metal reinforcement for suction/discharge.

