



**INDUSTRIAL PUMPS
SINCE 1982**

TR - PRODUCTION PROGRAM



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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.

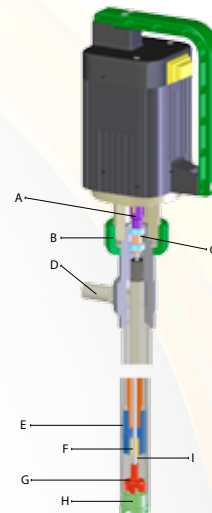
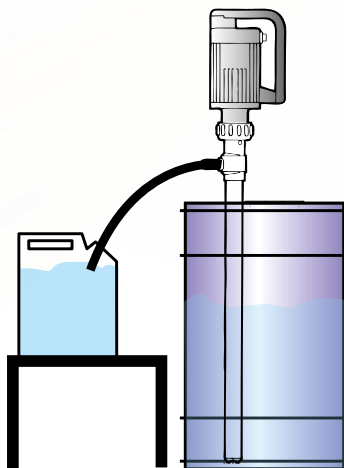
Available with fully-interchangeable **electric or pneumatic motor**, these pumps have an open impeller that allows continuous pumping of clean corrosive liquids having **apparent viscosity of up to 600 cps with 500-watt electric and pneumatic motor (at 20°C) and 900 cps with 800-watt electric motor (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

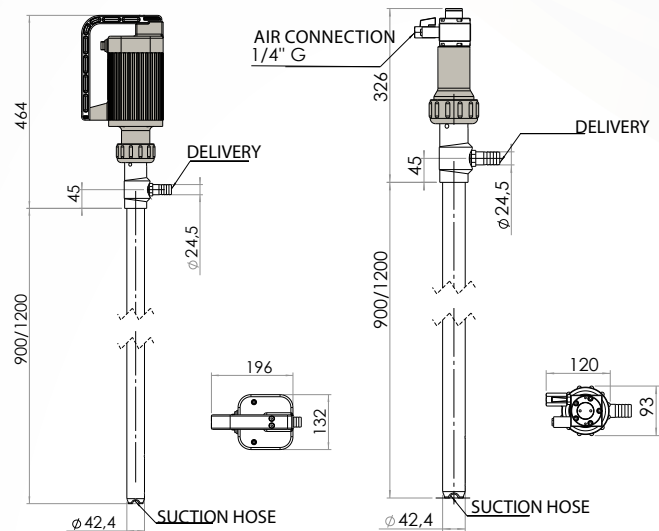
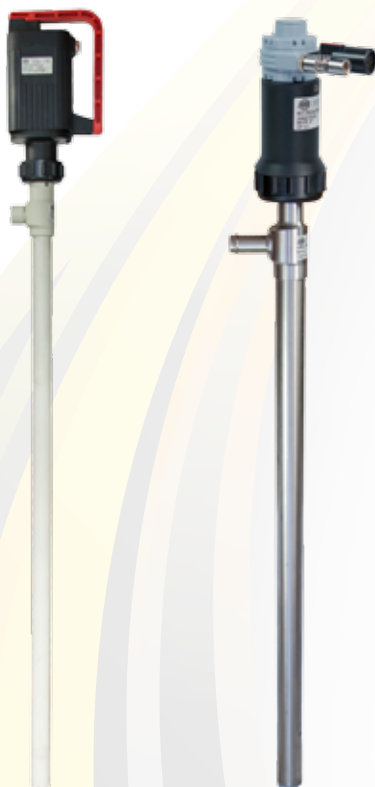
Suction hose	ø 42,5 mm
Hose clamp	ø 25 mm
Max. temp.	95°C
Total Weight Kg	4,3/5,3
Suct. hose mat.	Aisi 316
Shaft material	Aisi 316
Bushing material	PTFE
Rotor material	ECTFE
Intake port. mat.	ECTFE
Internal parts	PTFE+PPS-V
Lenght	900/1200



TRAX 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

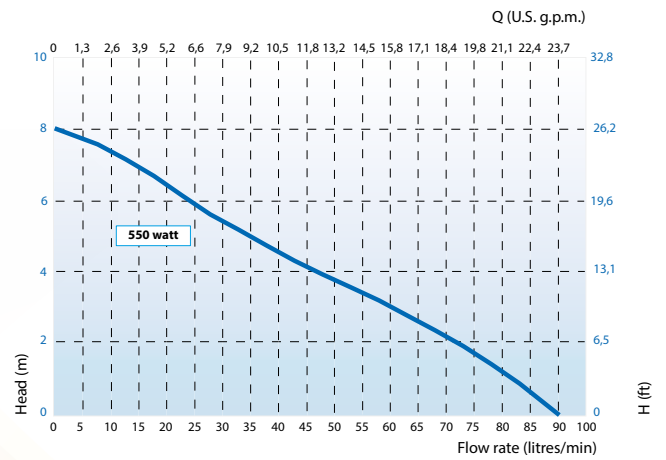
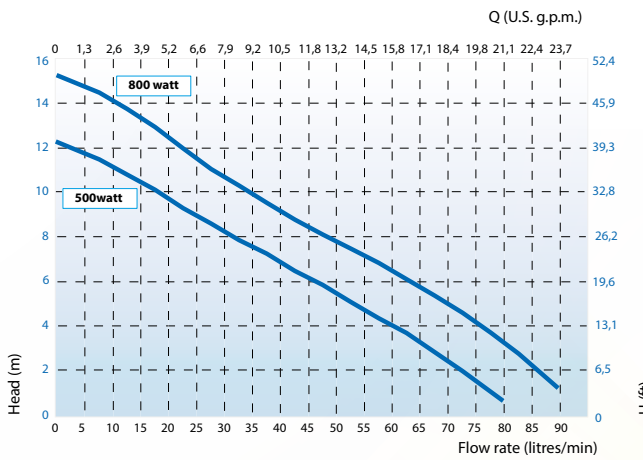


The dimensions shown are in mm

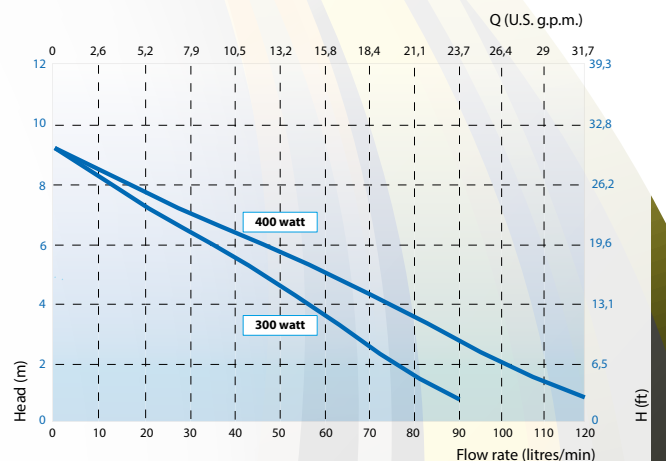
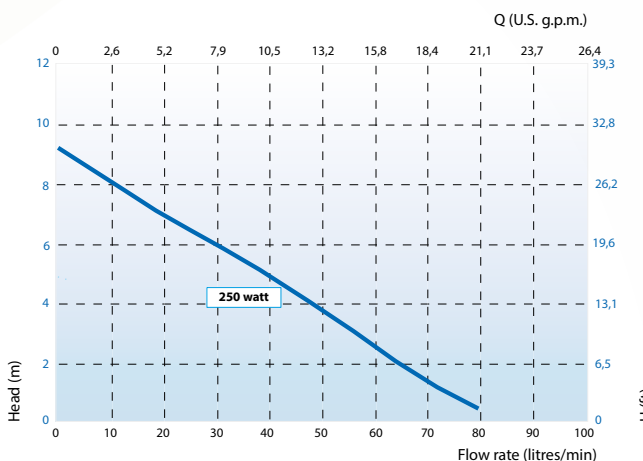
TR - TRANSFER PUMPS



	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.

