

tapflo®

# PUMPS

for the printing industry

edition 2016 rev 1



» All about your flow

[www.tapflo.com](http://www.tapflo.com)

printing industry



long experience of liquid handling

# printing industry

Tapflo has served the printing industry since 1985 with pumps and accessories for circulation, transfer, mixing and return, of ink, glue and solvents etc. We have the unique advantage of having our own production on almost every type of pumps and accessories needed for the printing industry. With fewer hands between manufacture and user, the price and availability is a great strength.

specialist paint



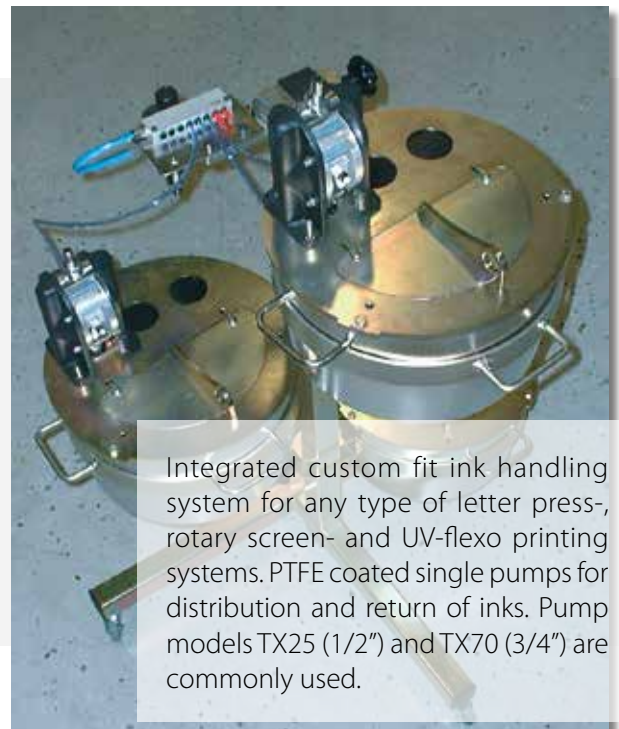
# Application examples

Pumping water is very easy – however pumping ink and glue are very challenging tasks that require specialised equipment. Here are a few examples of our specialised products:

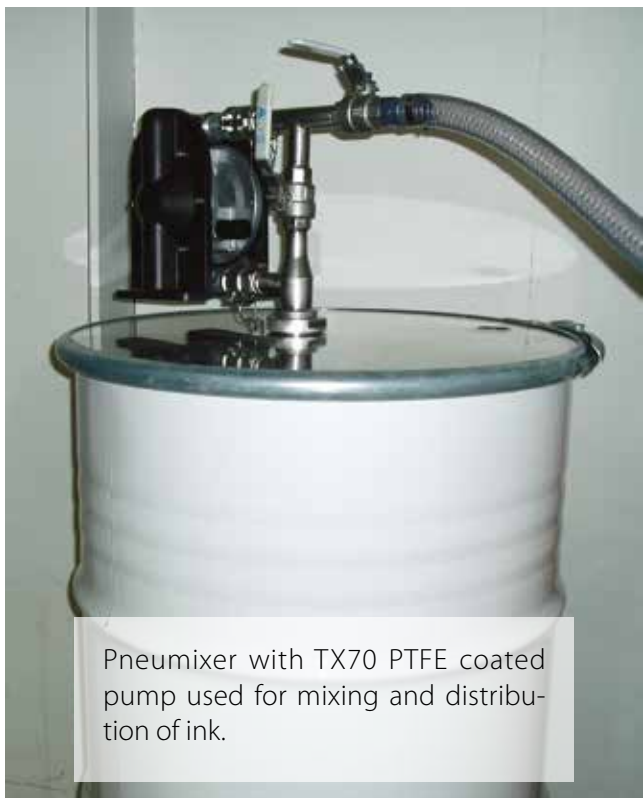
- » Non-stick PTFE coated pumps makes it easy to keep clean from ink
- » Gentle non whipping handling of sensitive inks
- » Variety of resistant materials available for abrasive ink
- » Twin ports enables both distribution and return of ink with the same pump
- » Integrated mixer and pump for use on ink drums
- » Resistant pump materials for aggressive fluids

## Typical industries

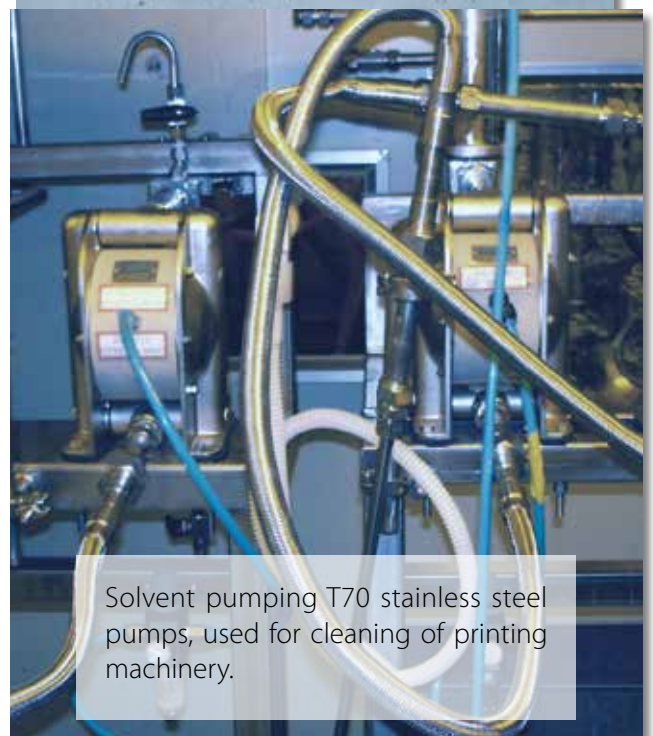
- » Envelope manufacture, ink, solvents and glue
- » Ink, lacquer, solvents and glue pumping in Flexography- and gravure printing. These printing techniques are used on various packages like metal cans, shrink wrap films and cartons etc.
- » News paper and catalogue offset lithographic printing, ink, solvents and lacquer
- » Specialist paint- and ink marking of metals



Integrated custom fit ink handling system for any type of letter press-, rotary screen- and UV-flexo printing systems. PTFE coated single pumps for distribution and return of inks. Pump models TX25 (1/2") and TX70 (3/4") are commonly used.



Pneumixer with TX70 PTFE coated pump used for mixing and distribution of ink.



Solvent pumping T70 stainless steel pumps, used for cleaning of printing machinery.



# Products

## PTFE coated air operated diaphragm pumps

The PTFE coated aluminium pumps are developed for the printing industry. The durable non-stick coating is resistant to ink and solvents and enables easy cleaning.

- ✓ Durable pump at a competitive price
- ✓ Easy to keep clean from ink

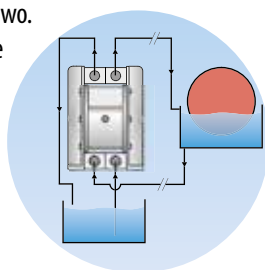
Flow	0-820 l/min
Pressure	0-8 bar
Materials	PTFE coated aluminium



## Twin pumps

Investment and space saving as one pump works as two. Used in systems where one side of the pump distribute ink to the chamber and the other return the ink back to the container.

- ✓ Cost and space saving
- ✓ Safe to run dry



Flow	0-820 l/min
Pressure	0-8 bar
Materials	PE, PTFE, aluminium and PTFE coated aluminium



## Thermoplastic and metal diaphragm pumps

Versatile and robust pumps for transfer and circulation duties of various liquids.

- ✓ Hermetic and seal less
- ✓ Easy to control capacity and pressure
- ✓ Self priming – flexible installation options

Flow	0-800 l/min
Pressure	0-8 bar
Materials	PE, PTFE, aluminium, cast iron and stainless steel



For detailed product information please contact us or visit [www.tapflo.com](http://www.tapflo.com)

# Products

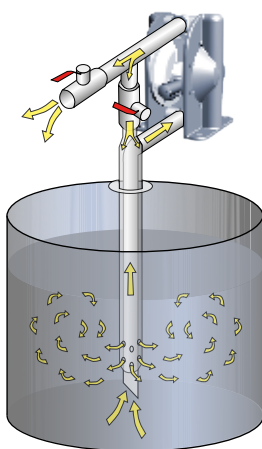
## Pneumixer



The Pneumixer was predominantly developed for the paint and ink industry where most raw materials in drums or containers settle out over time and need to be mixed or blended prior to use. This usually means rolling, shaking or pumping to a mixing vessel; that adds time, waste, mess and expense.

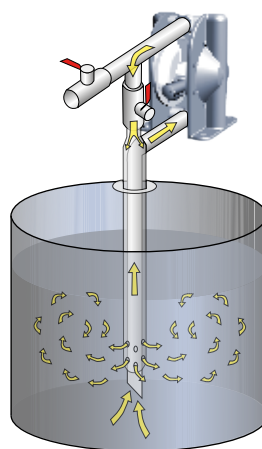
### ■ Features & Benefits

- |   |  |
|---|--|
| ✓ No paddles  | ✓ No air entrainment                                 |
| ✓ No rotating blades                                    | ✓ No shear   |
| ✓ Variable agitation                                    | ✓ Closed vessel mixing system                        |
| ✓ Suits all containers up to 1000 litre IBC             | ✓ Fully controllable pneumatic operation and control |
| ✓ No moving parts utilises pump power to mix & dispense | ✓ Reduced environmental exposure                     |
| ✓ Eliminates problems with conventional mixing          | ✓ No need for pumping to mixing vessel               |



#### Transfer mode

The discharge valve is open and the recirculation valve is partially open, to both mix and to transfer the product out of the Pneumixer



#### Mixing mode

The discharge valve is closed and the recirculation valve is open, to allow the product to circulate in the container.

## Drum pumps | TD series

It is fitted with a drum tube in polypropylene (PP) or PTFE and a handle in stainless steel AISI 316L.

The drum tube is delivered in any length up to 2 m.  
**Handle your liquids comfortable. You will easily move your Tapflo drum pump between drums and containers.**



#### The PE & PTFE drum pumps range

- » TRD20 - 24 l/min, 3/8"
- » TD50 - 60 l/min, 1/2"
- » TD100 - 125 l/min, 1" (available in PE only)

## CT centrifugal pumps

Compact and efficient pump for non-hazardous liquids, ideal for various service applications.

- ✓ Reliable but inexpensive pump for water, cleaning agents and mild chemicals
- ✓ Low speed version (1450 rpm) available for ink pumping

Flow	max 50 m <sup>3</sup> /h
Head	max 47 m
Materials	stainless steel



## CTV vertical centrifugal pumps

Seal less and quiet electric pump for ink pumping in printing machineries. Also ideal for emptying waste water sumps.

- ✓ No mechanical seal – leakage free and maintenance friendly
- ✓ Insensitive of abrasives

Flow	max 34 m <sup>3</sup> /h
Head	max 31 m
Materials	PP, PVDF and stainless steel



## Accessories

Ingenious pneumatic accessories to control and monitor the pumps. The units are very simple to install and operate. A number of standard units are available:

- ✓ Pneumatic batch units
- ✓ Pneumatic level units
- ✓ Pneumatic diaphragm alarm units

We also supply tailored systems for special duties, both pneumatic and electric.



For detailed product information please contact us or visit [www.tapflo.com](http://www.tapflo.com)

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