

# DT 5, DT 10 and DT 40

## Pressure tanks

Pressure tanks of stainless steel are used for processing cold liquids of low viscosity. They are particularly suitable for dispersion- and solvent-based glues with viscosities below 5,000 mPas.



## Description

The pressure tanks DT 5, DT 10 and DT 40 are of stainless steel and are used for processing cold liquids of low viscosity. They are particularly suitable for dispersion- and solvent-based glues with viscosities below 5,000 mPas.

The tank capacity corresponds to the appliance designation – e.g. DT 5 with 5 litres tank capacity. In the case of DT 40 the entire container can be placed inside the pressure tank so that cleaning work is reduced to the minimum. The pressure tanks are filled from above and put under pressure by means of a hand-operated valve. The working pressure is adjustable from 0 to maximum 6 bar, depending on the tank type. The safety valve opens if the pressure exceeds the maximum value. The pressure forces the liquid out of the bottom of the DT 5 and DT 10 tank, which avoids deposits at the tank bottom. Then flexible hoses transport the liquid to the application heads. The tanks feature a large-surface fine filter which stops dirt particles from blocking the applicator heads. The filter is easy to remove and to clean.



Mini pressure tank

## Applications

Most applications are in the packing and graphic industries.

The pressure tanks are used in combination with ball point pen type, nozzle application, airspray application or coating heads.

Typical application areas are the production of mailings and forms, folding boxes and bags, the application of labels on containers, the glueing of cards into various printed papers, the fixation of boxes on pallets, etc.

## Pressure control

We differentiate between two application cases: For machines running at a constant speed the pressure tank can be operated without pressure control. For machines running at a variable speed the outlet of the pressure tank must be equipped with a flow controller of ratio 1:1. An electro-pneumatic controller keeps the applied quantity on the product, constant at all the times, irrespective of the machine speed.

## Technical data

	Mini tank	DT 5	DT 10	DT 40
Tank content	0.75 litres	5 litres	10 litres	40 litres
Tank opening	Ø 98 mm	80 × 95 mm	80 × 95 mm	Ø 358 mm
Working pressure	0... 3 bar	0... 6 bar	0... 6 bar	0... 4 bar
Viscosity	smaller than 5,000 mPas			
Glue connection	1 × Ø 6 / 4 mm	5 × R1/4" and 1 × R3/8"		
Air connection	Ø 6 / 4 mm	Screw-fitting for hose Ø 8 / 6 mm		
Material	Plexiglas	Stainless steel		
Weight	2.5 kg	5 kg	6 kg	30 kg



Glue exit placed underneath

## Mini pressure tank

The mini pressure tank of plexiglas is suitable for small quantities of water-soluble cold glues. Maximum working pressure is 3 bar.

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