

# TP2 Pump

High Pressure Pneumatic Twin Piston Injection Pump

## DESCRIPTION



TP2 Pump is a high pressure, medium volume airless pump with a fixed ratio of 1:1 for automatic mixing systems. It is used in the construction and mining industry for the injection of polyurethane or epoxy injection resins. It is robust and can be easily wheeled onto any site. The TP2 incorporates a flush pump and flush pump feed line to the mixing head allowing for fast and efficient cleaning of the mixing head between breaks in the injection sequence.

Normet can provide full on-site service which includes all technical aspects of pump use and application details. Please refer to your local Normet representative for further information.

### Recommended Applications:

- > TamPur (Polyurethane Resin)
- > TamRez (Epoxy Resin)

## TECHNICAL DATA

| TP2 Pump   |                 |
|--|-----------------|
| Pressure ratio                                   | 35:1            |
| Construction                                     | Stainless Steel |
| Weight   | 70 kg           |
| Pump output per double stroke (cm <sup>3</sup> ) | 80              |
| Air requirement (lt) 6 bar                       | 480             |
| Maximum input air pressure                       | 8 bar           |
| Maximum free-flow output                         | 25 litre min    |
| Mix ratio  | 1:1             |
| Maximum operating pressure                       | 210 bar         |

## PUMP GUIDELINES

### Using the pump

Specific requirements for using the pump depend largely on the type of material being injected and the application. Please consult your local Normet representative for more information. Always make sure that the pump is thoroughly cleaned after use.

### Cleaning the pump

Flush as much of the material out of the pump as possible by removing the intake hoses from the material. Lift and run the pump until satisfied that all material has been purged from the pump.

1. Place the intake hoses into a container of TamPur Cleaner with the injection hose valve open and pointing into the cleaner to re-circulate the material.
2. Run the pump under low pressure until the cleaner flows through the injection hose. Continue this for about 1 minute.
3. Close the injection hose valve and run the pump under low pressure until lock off. This will ensure that the cleaner is force into all parts of the pump, in particular the pressure gauges, if fitted.
4. Turn off the air supply and release any built up pressure through the bleed lines. Then carefully open the injection hose valve to release the pressure.

Repeat steps 3 and 4 several times until satisfied that the injection material has been purged. Repeat step 1 to clear the pump of the TamPur Cleaner and then using fresh cleaner repeat steps 2 to 5 to purge the pump of contaminated cleaner as many times as necessary.

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CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

**Note: If using TamPur 116 or TamPur 117, the Part A should be cleaned from the pump or mixing head with clean water.**

At some stage during the cleaning process, flush the bleed valve to keep it clear and operational.

When the pump is not in use for any length of time, (particularly overnight), after cleaning, repeat steps 1 to 5 but this time with engine oil. To ready the pump for use, repeat steps 1 to 5 using cleaner.

Cleaning the pump is extremely important. If it is not done correctly it will seriously impact the effectiveness and working life of the pump. Grit and other solid particles within the pump will score and wear away at the pump parts and eventually stop it from operating.

## HEALTH & SAFETY

TP2 Pump should only be used as directed. Our recommendations for protective equipment should be strictly adhered to for your personal protection.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.