

comprex® cleaning
Industrial sector

Reference project
Injection moulding machines
Medical technology

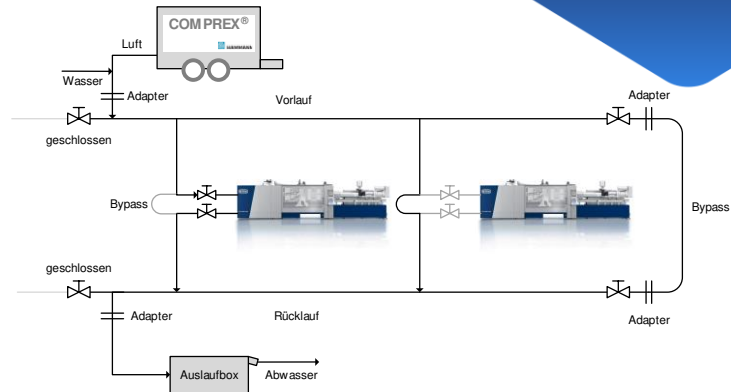


Figure 1: Procedure for comprex® cleaning of injection moulding machines

Cleaning of mould and machine circuits of injection moulding machines with main system in clean room area

Task definition

- Clean the entire cooling system of injection moulding / injection moulding machines with the comprex® process (Figure 1).
- Remove deposits and biofilms from the system
- Restore cooling capacity and operational safety

Technical data

- Cooling system for injection moulding machines
 - o Flow and return of the main circuit
 - o Mould and machine circuits of the machines
 - o Nominal diameter up to DN 80, length approx. 80 m
- Injection moulding machines (Figure 2)
 - o Manufacturer: Netstal
 - o Various types and designs

Cleaning with the comprex® process

- Mechanical cleaning through the targeted use of compressed air from the comprex® unit (Figure 3)
- Step-by-step cleaning of the system (Figure 1)
 - o Flow and return of the main supply line
 - o Supply and return lines to the individual machines
 - o Mould and machine circuits of the individual injection moulding machines
- Access via standardised adapters (Figure 4)
- Tracking the cleaning process by the turbidity of the rinsing water (figure 5)
- 2 x 2 technicians in shifts, approx. 20 h on site

Result of Comprex® cleaning

- Deposits and biofilms mobilised and removed from the system (Figure 5)
- Cooling capacity and operational safety restored
- Hygienic and efficient operation



Fig. 2: Preparatory work on the injection moulding machines



Fig. 3: comprex® technology on site



Fig. 4: Adapter connections for air and



Fig. 5: Turbidity of the rinse water during