

TT-143 B Spez

with Magnetic & Booster Pump

Pressurised water unit for temperatures up to 160°C
Special custom make for Lens / Optical Application

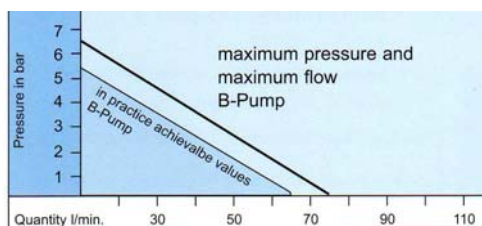


Features included

- Digital flow indication with control of the minimum flow ; works in pressure and vacuum mode
- Self-optimizing temperature control unit with digital display of the set and actual temperature. With high precision regulation in $1/10^{\circ}$ range; can be adjusted to read °C or °F
- Automatic temperature monitoring. Deviation between effective and set temperature activates an alarm
- Automatic aeration (possible up to 70°C)
- Automatic filling
- Heating switchable in stages
- Indication the system and to mould pressure
- Horn for fault messages
- Safety devices:
 - Automatic level control for dry run protection
 - Mechanical safety thermostat and electronic temperature limiter installed in the controller
 - Main switch, automatic cutout, transformer and motor protection switch
 - Horn in case of failure
- Castors

Special Features:

- Magnetic Driven Pump develop & manufacture by Tool Temp (no mechanical seals & water leakage)
- Booster Pump for water filling install in the unit
- Two separate water supply inlet connection i.e. one for cooling and the other for filling the water tank using pure or distill water.
- A push button feature to allow automatic sink down of temperature below boiling point and drain the water out from the mold & tank by compressed air directly out into cooling water outlet (prevent calcifying of the mold cooling channel and slug/algae form in water tank)
- Insulation of the pressurized tank using aluminum foil instead of fibre material (no contamination in the cleanroom)



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Technical Data

Model	TT-143 B Spez
Heating Capacity	12 kW
Switchable in Stages	6 / 6 / 12 kW
Temperature range	up to 160°C continuous temperature with min. 6 bar water inlet pressure required
Temperature control	Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
Pump Capacity	B-pump: Connected load 1,8 kW
<i>Pressure mode</i>	max. 6,5 bar / max. 75 l/min
Cooling Power	Approx. 47,0 kW at +120°C
Filing	automatic
Connections	
<i>Heat transfer liquid circuit</i>	R ¾" female thread
<i>Cooling water</i>	R ¾" female thread
<i>Automatic filing</i>	R ¾" female thread
<i>Compressed-air</i>	R ¼" female thread
Dimension (mm)	870 x 360 x 915 incl. castors
Weight (empty)	Approx. 120kg
Category of protection	IP-44
Electric	In separate switch cabinet, easily accessible from the front
Colour	Silver grey RAL 7001
Heat Exchanger	Low-maintenance
Noise level (dBA)	< 70 (distance 3m)



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