

STM120-O Series Oil Mould Heater

The STM120-O series of oil mould heater are ultra-compact, portable and high capacity unit for applications using oil as circulating medium up to 160°C, or up to 200°C (“H” high temperature type). Pumps are manufactured from corrosion-free phosphor bronze by Speck in Germany. Leakage from pump itself would not happen because it is mounted inside the tank.

All models offer rapid heating and accurate P.I.D. temperature controller which provides digital setting and display of heating temperature, and incorporated as standard oil level monitoring function with audible and visual alarms protect against the possibility of damage caused by dry running.

Other features include:

- P.I.D. temperature control allows easy adjustment and maintains a far higher level of accuracy ($\pm 1^\circ\text{C}$).
- Stainless steel internal parts and corrosion-free pipe work.
- Electrical parts and medium tank are insulated.
- Audible and visual alarm in case of motor overload, or over temperature.
- Oil level sight-glass window.
- Leak prevention operation.
- Main power isolator.
- 2 off heat-resistant PTFE hoses (4 off for the type “L”).

Options feature:

- Automatic water re-filling (In case of use water as circulating medium for heating up to 95°C only).



STM120-O

Specifications

STM model		120-O	120L-O	120-OH	120L-OH	
Circulating medium	-	heat transfer oil		high temp. oil		
Temp. range	°C	50 to 160		50 to 200		
Heating capacity	kW	4.5	9.0	4.5	9.0	
Cooling capacity*	kcal/hr	20,000	24,000	20,000	24,000	
Pump motor	W	500				
Max. pump output*	volume	litre/min.	40	60	40	60
	pressure	bar	3.5			
Tank volume (shape)	litre	16	26	16	26	
Cooling method	-	indirect				
Mould flow pipe size	inch	3/8" X2	3/8" X4	3/8" X2	3/8" X4	
Voltage (phase)	V	230 - 460 (3Ø)				
Width	mm	330				
Depth	mm	750				
Overall height	mm	680	880	830	1030	
Weight (approx.)	kg	52	67	55	70	

* Capacities are based on 60hz operations.



vertical pump fitted to the oil tank

STM120-W Series Water Mould Heaters

The STM120-W series of water mould heater are ultra-compact, portable and high capacity unit for applications using water as circulating medium up to 95°C, or up to 140°C (“H” high temperature type). Pumps are manufactured from corrosion-free phosphor bronze by Grundfos in Denmark or other equivalent.

All models offer rapid heating and accurate P.I.D. temperature controller which provides digital setting and display of heating temperature, and incorporated as standard automatic water level control with audible and visual alarms protect against the possibility of damage caused by dry running.

Other features include:

- P.I.D. temperature control allows easy adjustment and maintains a far higher level of accuracy ($\pm 1^\circ\text{C}$).
- Stainless steel internal parts and corrosion-free pipe work.
- Electrical parts are insulated.
- Audible and visual alarm in case of motor overload, low water level, or over temperature.
- Automatic water re-filling.
- Phase reverse protection and visual alarm.
- Main power isolator.
- 2 off heat-resistant PTFE hoses (4 off for the type “L”).
- Re-filled water inlet filter cartridge.



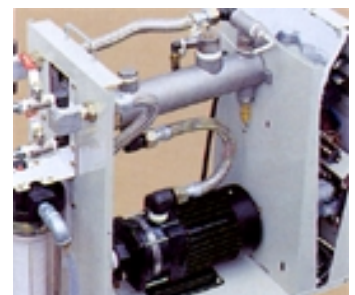
STM120-W

Specifications

STM model		120-W	120L-W	120-WH
Circulating medium	-	water		
Temp. range	°C	20* to 95		50 to 140
Heating capacity	kW	5	10	5
Cooling capacity**	kcal/hr	40,000	40,000	20,000
Pump motor	W	780	1,500	500
Max. pump output*	volume	litre/min.	50	100
	pressure	bar	3.0	
Cooling method	-	direct		indirect
Mould flow pipe size	inch	3/8" X 2	3/8" X 4	3/8" X 2
Voltage (phase)	V	230 ~ 460 (3Ø)		
Width	mm	330		
Depth	mm	750		
Overall height	mm	680	880	680
Weight (approx.)	kg	50	65	53

* In case of using cooling water of 10°C temperature.

** Capacities are based on 60hz operations.



horizontally installed pump



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