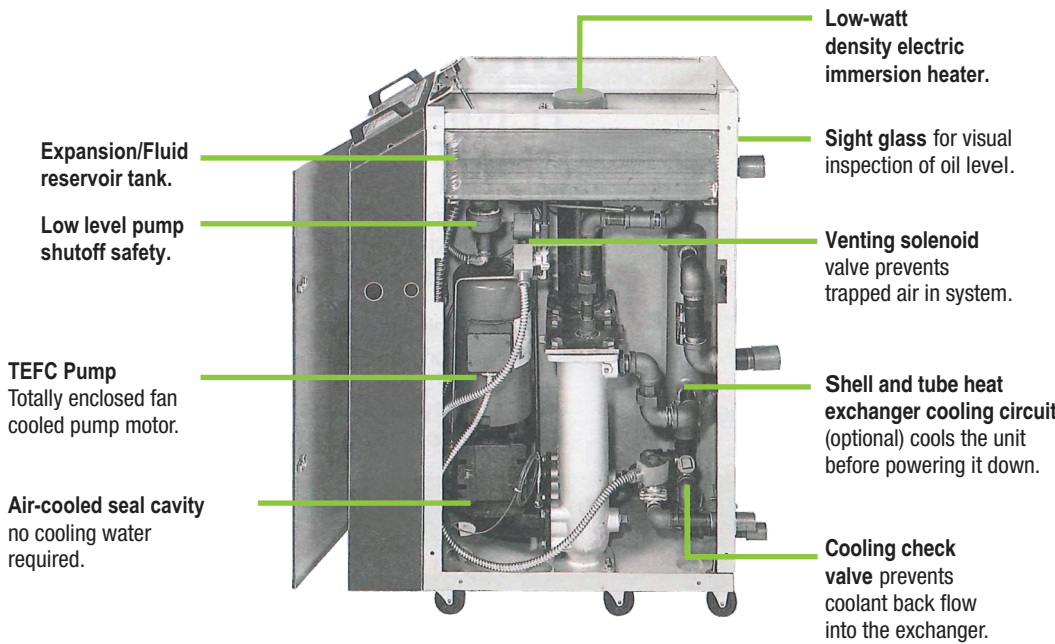


Mould Temperature Controller

TRA, TRW - Series



TRA Series



TH Series

Options

- Solenoid valves & NRV on process inlet / outlet connections
- Inlet / outlet manifold
- High temperature steel braided hose pipe
- High pressure pump for TRA 3/6/9 & TRW 3/6/9
- Heat exchanger for higher cooling

Unique Features

- Precise control of temperature by PID temperature controller
- Oil based system for maximum 150°C temperature
- Water based system for maximum 95°C temperature
- Digital display of set and actual value on screen
- Air purging facility for mould changes
- High flow and high pressure powerful pump
- Easy to operate
- Dry running protection of pump by level monitoring device
- Automatic water refilling provision in water based unit
- Painted with P.U. paint
- Accessibility from all sides
- Corrosion proof material in water line
- User friendly control and fault indication
- Overload protection of pump
- Audible alarm for fault indication

Technical Specifications

Model	TRA 3	TRA 6	TRA 9	TRA 9L	TRA 12s-150	TRA 12-150	TRA 12-200	TRA 18-150	TRA 18-200	TRW 3	TRW 6	TRW 9	TRW 9L	TRW 12s	TRW 12	TRW 18	TH Control 1 HP-6 kw	TH Control 1 HP-12 kw	TH Control 2 HP-12 kw	TH Control 2 HP-18 kw
Circulating Medium	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Oil	Water	Water	Water	Water	Water	Water	Water	Oil Thermic Fluid			
Maximum Temperature °C	150	150	150	150	150	150	200	150	200	95	95	95	95	95	95	95	260	260	260	260
Heating Capacity KW	3	6	9	9	12	12	12	18	18	3	6	9	9	12	12	18	6	12	12	18
Circulation Pump																				
Maximum Flow Rate LPM	65	65	65	100	100	100	200	100	100	65	65	65	100	60	100	100	132	132	170	170
Maximum Pressure Bar	3.8	3.8	3.8	5.0	5.0	5.0	5.0	5.0	5.0	3.8	3.8	3.8	5.0	3.8	5.0	5.0	1.0	1.0	1.6	1.6
Pump Drive KW	0.5	0.5	0.5	2.2	2.2	2.2	2.2	2.2	2.2	0.5	0.5	0.5	2.2	0.5	2.2	2.2	0.75	0.75	1.5	1.5
Nominal Cooling Capacity Max.**KW	20	20	20	20	20	28	28	28	28	20	20	20	20	28	28	28	35			
Voltage	415V, 50 Hz, 3 Phase																			
Control Voltage	230V, 50 Hz, 1 Phase																			
Total Connected Load KW	3.5	6.5	9.5	11.2	14.2	14.2	14.2	20.2	20.2	3.5	6.5	9.5	11.2	12.5	14.2	20.2	6.75	12.75	13.5	19.5
Filling Tank Volume Liters	16	16	25	16	25	45	45	45	45	16	16	25	16	25	45	45	11			
Process Water Connections																				
Inlet	R 3/4" BSP inside thread			R 1 1/4" BSP inside thread						R 3/4" BSP inside thread			R 1 1/4" BSP inside thread							
Outlet	R 3/4" BSP inside thread			R 1 1/4" BSP inside thread						R 3/4" BSP inside thread			R 1 1/4" BSP inside thread							
Cooling Tower Water Connections																				
Inlet	R 1/2" BSP inside thread															R 3/4" BSP inside thread				
Outlet	R 1/2" BSP inside thread															R 3/4" BSP inside thread				
Main Dimensions																				
W x D x H mm	430 x 825 x 790				430 x 825 x 800	480 x 825 x 1080				430 x 780 x 730				480 x 825 x 1010				355 x 800 x 1090		
Weight Kg.	60			90	75	135				60			80	63	135			136	141	
Color	Black RAL 9005 / Siemens Grey RAL 7032																			

All specifications are subject to change without prior notice.

** Nominal cooling capacity based at 90°C process fluid temperature.

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