

## M series

Multi-control OILMATIC that makes it possible to individually control "2 systems" with "1 unit" in order to handle multi-axis composite machine tools



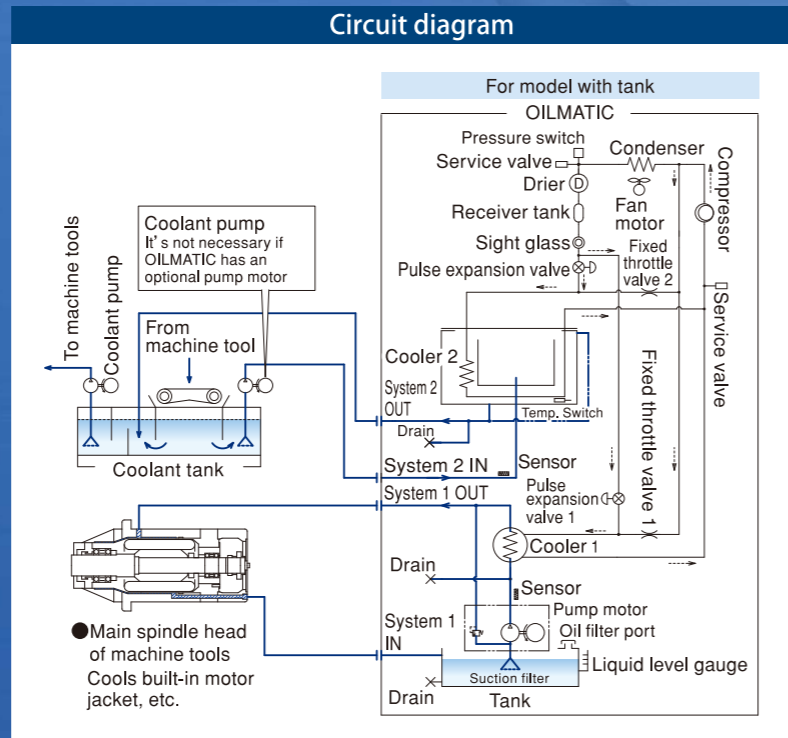
- System 1: Cools main spindle, Cools operating oil, Cools lubricant oil, Cools linear motor, Cools ball screws, Cools machine body
- System 2: Cools grinding fluid, Cools cutting fluid

±0.2°C  
Inverter control method  
INVERTER

Options implemented

- With casters
- With heater
- Tropical (passing) treatment
- Water-cooled condenser specifications
- 規格対応 (Standard compliant)

※For other special specifications please contact our sales representatives.



## Multi-temperature control

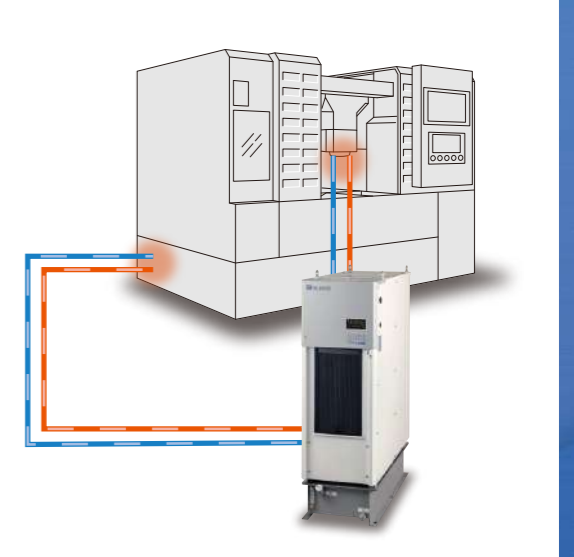


One unit supports precise temperature control of different liquids such as "oil (spindle cooling)" and "water (water-soluble cutting fluid)."

Contributes to multi-axis / composite machine tools.

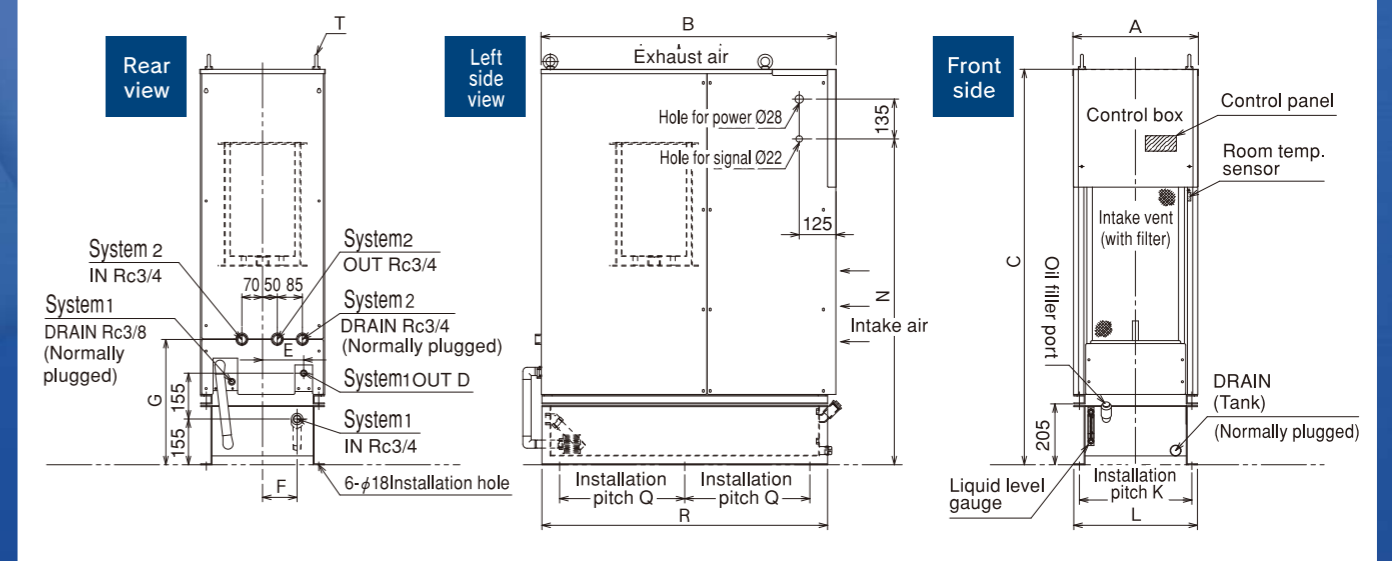
Temperature control accuracy ± 0.2°C.

Kanto Seiki uses its unique technology and accumulated know-how to develop combinations that are customized to match the demands of various different machines (custom-made specifications).



Model	M750	M1500	M2200
Effective cooling capacity[W] ※1	1500(System1)+1600(System2)=3100	2500(System1)+2500(System2)=5000	4500(System1)+2500(System2)=7000
Nominal chiller capacity[W]	750	1500	2200
Refrigerant used	R-407C		
Refrigerant charge[g]	960	****	****
Minimum circulation volume (system 2)[L/min]	15	25	32
Pressure resistance (system 2)[MPa]	0.2		
Refrigerant charge (System 1)	Flow rate (50/60Hz) [L/min] Total relief pressure[MPa]	24/28.8 0.5	30/36 0.5
Power source	AC200V 50/60Hz, AC220V 60Hz 3Ph		
Maximum operating current [A]	9	11	22
Normal operating current[A]	7	****	****
Temperature setting range	Follow-up type...reference temperature-9.9~9.9°C Constant type...5~45°C		
Range of ambient temperature[°C]	5~45		
Range of liquid temperature[°C]	5~45		
Fluid to use	System 1	Mineral operation oil, lubricant oil, heat medium oil, etc.	
	System 2	Coolant liquid, etc.	
Tank capacity[L]	35	55	65
Weight[kg]	170	****	****

## Dimensions



Size list	A	B	C	D	E	F	G	K	L	N	Q	R	T
M750	425	1000	1340	Rc1/2	140	117	425	381	419	1104	424	968	4-M10 Eyebolt
M1500	503	1122	1505	Rc3/4	180	155	595	459	497	1270	485	1090	4-M12 Eyebolt
M2200	553	1172	1600		205	180		509	547	1365	510	1140	

※1 Effective cooling capacity indicates the maximum values within the range of use when oil ISO VG2 or equivalent is used.  
※Specifications may be improved and are subject to change without notice.