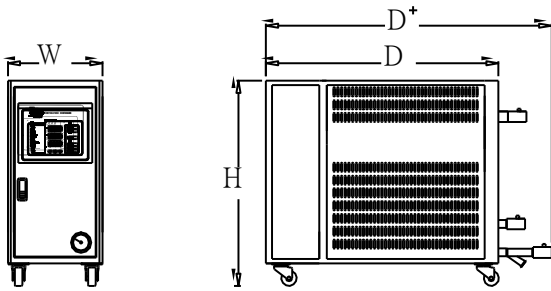


OIL TEMPERATURE CONTROLLER

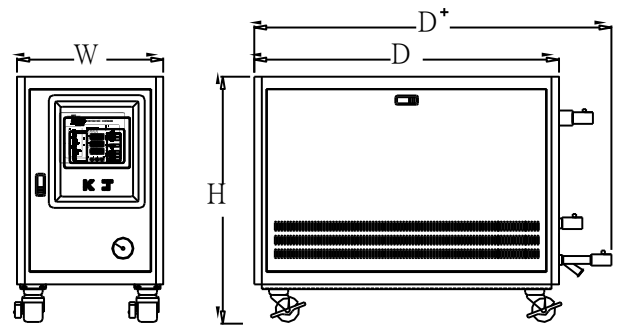
FEATURES:

1. Microprocessor controller monitors the operation status easily.
2. PID temperature controller to ensure the precision temperature within $\pm 0.5^{\circ}\text{C}$ tolerance.
3. Control method can be upgraded to PLC program with 4.3 "color touch panel.
4. Machine automatic venting, and automatic cooling after motor delay shutdown to protect the heater to ensure safety.
5. Temperature high low monitoring, more precise control of temperature setting.
6. Comprehensive safety protection system:

- | | |
|---------------------------|---------------------------------|
| ⊙Non-fuse breaker | ⊙Buzzer |
| ⊙Motor reverse protector | ⊙Overheat protector |
| ⊙Pump overload protector | ⊙Auto pressure-relief device |
| ⊙Fluid shortage protector | ⊙Adjustable by-pass circulation |

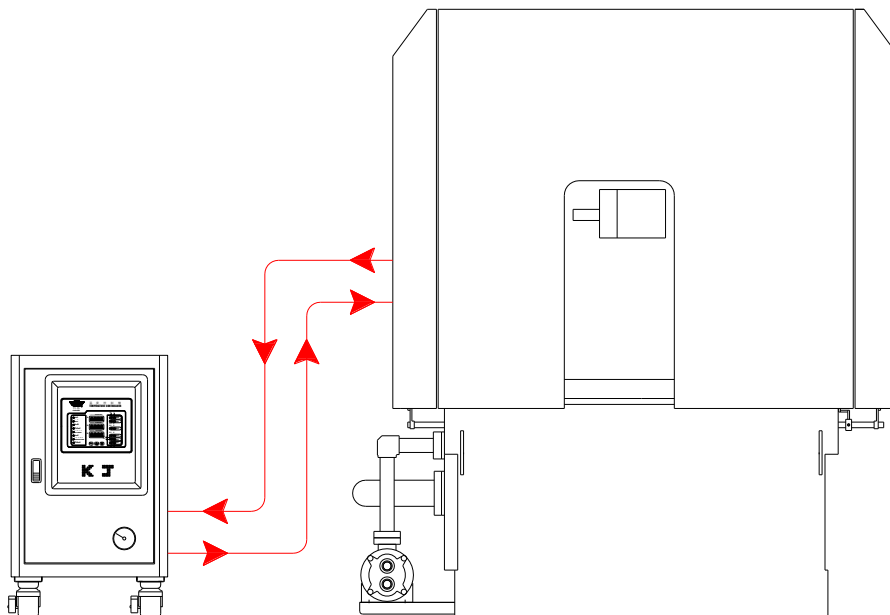


KOTC-0604~2012



KOTC-3020~7560

FLOW CHART:





SPECIFICATIONS

Model		KOTC-0604N			KOTC-1009N			KOTC-2012N			KOTC-3020N			KOTC-5030N			KOTC-7560N			
Fluid		Thermal oil																		
Max. temperature	°C	180			180			180			180			180			180			
Control method		PID Microprocessor controller ± 0.5°C or upgrade to PLC program with 4.3 "color touch panel																		
Heater capacity	KW	4.5			9			12			20			30			60			
Pump	TYPE	Mechanical seal																		
	KW	0.5			0.8			1.5			2.2			3.7			5.5			
Flow ↕ Pressure	60 HZ	LPM	20	15	5	60	40	20	80	45	20	200	80	20	300	200	100	550	400	250
		KG/CM ²	0.9	1.6	3.2	0.8	1.6	2.4	1.4	2.4	3.6	1.1	2.8	3.5	2.6	3.3	3.7	1.2	3.0	4.0
	50 HZ	LPM	20	15	5	40	30	20	70	45	20	190	80	20	300	200	100	450	250	100
		KG/CM ²	0.4	1.5	2.6	0.9	1.4	1.8	1.0	1.8	2.6	0.8	2.2	2.8	1.8	2.6	3.1	1.2	3.0	3.8
Fluid tank	LITER	14			14			14			100			100			100			
Cooling type		Indirect cooling																		
Fluid piping	INCH	1			1			1			1-1/4			1-1/2			2			
Cooling water	INCH	1/2			1/2			1/2			3/4			3/4			3/4			
	KG/CM ²	Over 1.0 KG/CM ²																		
Total load	60 HZ	KW	5.0			9.8			13.5			22.2			33.7			65.5		
	50 HZ		5.0			9.8			13.5			22.2			33.7			65.5		
Dimension (W*D*H)	CM	35*77*60			35*77*60			35*103*78			62*177*138			62*177*138			68*177*155			
D ⁺ (With Pipeline)	CM	116			116			139			200			200			200			
Approx. weight	KG	85			90			116			380			450			550			
Options	1.Thermal oil 2.Teflon hose 3.Multiple inlet & outlet joints 4. PLC Control																			
Remarks	1.The flow vs pressure is tested in 100°C. 2.We reserve the right to change specifications without prior notice.																			



SPECIFICATIONS

Model		KOTC-0604M	KOTC-1009M		KOTC-2012M		KOTC-3020M		KOTC-5030M		KOTC-7560M									
Fluid		Thermal oil																		
Max. temperature	°C	250	250		250		250		250		250									
Control method		PID Microprocessor controller ± 0.5°C or upgrade to PLC program with 4.3 "color touch panel																		
Heater capacity	KW	4.5	9		12		20		30		60									
Type	Type	Sealless						Shaft coupling												
	60 HZ	KW	0.5		1.1		3.0		3.7		3.7		5.5							
	50 HZ		0.5		1.1		3.0		2.2		3.7		5.5							
Flow ↑ ↓ Pressure	60 HZ	LPM	30	20	10	55	30	10	120	80	30	550	210	100	550	210	100	600	370	250
		KG/CM ²	0.8	1.7	2.8	0.8	2.8	4.5	0.4	4.0	6.1	3.2	3.9	4.0	3.2	3.9	4.0	3.5	4.3	4.5
	50 HZ	LPM	25	20	10	40	30	10	100	80	30	400	165	100	420	210	150	580	374	250
		KG/CM ²	0.4	0.9	2.0	0.5	1.5	3.3	0.4	2.4	4.8	2.7	3.0	3.1	3.4	3.6	3.7	3.5	4.0	4.1
Fluid tank	LITER	14		30		30		100		100		100								
Cooling type		Indirect cooling																		
Fluid piping	INCH	1		1		1		1-1/4		1-1/2		2								
Cooling water	INCH	1/2		1/2		1/2		3/4		3/4		3/4								
	KG/CM ²	Over 1.0 KG/CM ²																		
Total load	60 HZ	KW	5.0		10.1		15.0		23.7		33.5		65.5							
	50 HZ		5.0		10.1		15.0		22.2		33.7		65.5							
Dimension (W*D*H)	CM	35*93*78		35*93*78		35*116*98		68*177*138		68*177*138		68*177*155								
D ⁺ (With Pipeline)	CM	116		116		139		200		200		200								
Approx. weight	KG	90		130		150		420		500		600								
Options		1.Thermal oil 2.Teflon hose 3.Multiple inlet & outlet joints 4. PLC Control																		
Remarks		1.The flow vs pressure is tested in 100°C. 2.The maximum temperature can be customized to 350°C. (KOTC-H Series) 3.We reserve the right to change specifications without prior notice.																		