

Products general overview

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°C

L

mm



01 Universal water and oil temperature control units up to 90°C/150°C

Product	Unit	TT-180	TT-181	TT-188	TT-168 E H
Temperature range					
Water	°C	90	90	90	90
Oil	°C	150	150	150	150
Heat transfer medium		water/oil	water/oil	water/oil	water/oil
Filling amount max.	l	7	7	7	20
Heating capacity					
Water	kW	9	9	9	12
Oil	kW	3	3	3	6
Cooling system indirect					
Tubular heat exchanger	kW	35	35	35	45
at flow temperature	°C	90	90	90	90
Pump system see diagram					
Typ E: 60 l/min; max. 4.0 bar; motor 0.75 kW		●	●	●	●
Typ H: 60 l/min; max. 7.0 bar; motor 1.50 kW					●
Suction capacity vacuum	mH2O	-	8	8	8
Controller MP-888					
Temperature sensor		FeKo Type J			
Connections					
Medium		1/2" BS	1/2" BS	1/2" BS	1/2" BS
Cooling water		3/8" BS	3/8" BS	3/8" BS	3/8" BS
Dimensions incl. castors L×W×H	mm	670×260×650	670×260×650	670×260×650	710×325×785
Weight empty approx.	kg	55	55	55	67
Colour silver grey RAL 7001					

Functions					
Flow control		-	-	●	●
Leakstopper device		-	●	●	●
Mold drain		-	●	●	●
Temperature regulation at the consumer		-	-	-	●
Time-limited water refill		-	-	-	●
Interface controller		-	-	○	○
Automatic refill		●	●	●	●
Level control		●	●	●	●
Visual fault indications		●	●	●	●
Acoustic warning		●	●	●	●
Pressure regulation		-	-	-	-

●	standard	○	optional	-	not possible
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02 Water temperature control units up to 90°C

Product	Unit	TT-170 L	TT-168 E/A H/A	TT168 E/PHE H/PHE TT168 E/A PHE H/A PHE	TT-118 K
Temperature range	°C	90	90	90	90
Heat transfer medium		water	water	water	water
Filling amount max.	l	5	20	20	40
Heating capacity	kW	3	18	12 18	18 27 36 45
Cooling system		indirect	indirect	indirect	indirect
tubular heat exchanger	kW	30	45	50	200
Plate heat exchanger	kW			130	400
Direct	kW				
at flow temperature	°C	90	90	90	90
Pump system see diagram					
Typ L: 19 l/min; max. 2.9 bar; motor 0.27 kW		●			
Typ E: 60 l/min; max. 4.0 bar; motor 0.75 kW			●	●	
Typ H: 60 l/min; max. 7.0 bar; motor 1.50 kW			●	●	
Typ K: 200 l/min; max. 4.3 bar; motor 2.2 kW					●
Typ W: 250–350 l/min; max. 4.5 bar; motor 4.0 kW					
Typ V: 580 l/min; max. 4.1 bar; motor 7.5 kW					
Suction capacity vacuum	mH2O	-	8	8	8
Controller	MP-888				
Temperature sensor	FeKo Type J				
Connections					
Medium		3/8" BS	1/2" BS	3/4" BS	1" BS
Cooling water		3/8" BS	3/8" BS	1" BS	1" BS
Compressed air		-		-	-
Dimensions incl. castors L×W×H	mm	640×200×490	710×325×785	980×365×750	1240×480×1400
Weight empty approx.	kg	36	67	90	180
Colour	silver grey RAL 7001				

Functions					
Flow control		-	●	●	●
Leakstopper device		-	●	●	●
Mold drain		-	●	●	-
Temperature regulation at the consumer		-	●	●	●
Time-limited water refill		-	●	●	●
Interface controller		-	○	○	○
Automatic refill		●	●	●	●
Level control		●	●	●	●
Visual fault indications		●	●	●	●
Acoustic warning		●	●	●	●
Pressure regulation		-	-	-	-

●	standard	○	optional	-	not possible
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TT-1548 E	TT-108 E	TT-108 K	TT-1500 W	TT-1368 W	TT-1368 V
90	90	90	90	90	90
water	water	water	water	water	water
20	20	40	75	70/100	100
12	6 12 18	18 27 36 45	48	24 48 72 96	72 96 144
air cooled	direct	direct	direct	indirect	indirect
5					
				400	400
	100	260	285		
70	90	90	80	70	80
●	●				
		●			
			●	●	
					●
8	8	8	-	-	-
MP-888					
FeKo Type J					
3/4" BS	1/2" BS	1" BS	flange DN32/PN16	flange DN32/PN16	flange DN32/PN16
	Inlet 3/8" BS Outlet 1" BS	Inlet 1/2" BS Outlet 1 1/2" BS	1" BS	1 1/2" BS	1 1/2" BS
-	-	-	1/4" BS		-
870×360×915	710×325×785	1250×480×1400	1600×800×1550	1710×790×1540/ 2150×1300×1950	2150×130×1950
95	67	160	430	520/850	915
silver grey RAL 7001					

●	●	●	●	●	●
●	●	●	-	-	-
●	●	●	●	-	-
●	●	●	-	-	-
-	-	-	-	-	-
○	○	○	○	○	○
-	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
-	-	-	○	○	○

03 Pressurised water temperature control units up to 160°C

Product	Unit	TT-1398 N	TT-142 N	TT-137 N	TT-137 B/BP
Temperature range	°C	140	140	140	160
Heat transfer medium		water	water	water	water
Heating capacity	kW	6	12	12	12
Cooling system		indirect	indirect	indirect + direct	indirect + direct
Tubular heat exchanger	kW	20 @ 140°C	60 @ 140°C	65 @ 140°C	90 @ 160°C
Plate heat exchanger	kW				
Direct	kW			60 @ 50°C	60 @ 50°C
Pump system see diagram					
Typ N: 110 l/min; max. 5.0 bar; motor 1.8 kW		●	●	●	
Typ B: 75 l/min; max. 6.5 bar; motor 1.8 kW					●
Typ P: 36 l/min; max. 5.0 bar; motor 1.1 kW					
Typ W: 250 l/min; max. 4.5 bar; motor 4.0 kW					
with booster pump		-	-	-	●
Suction capacity vacuum	mH2O	-	8	8	8
Controller	MP-888				
Temperature sensor	FeKo Type J				
Connections					
Medium		1/2" BS	3/4" BS	3/4" BS	3/4" BS
Cooling water		3/8" BS	3/8" BS	3/8" BS	3/8" BS
Compressed air		-	-	1/4" BS	1/4" BS
Dimensions incl. castors L×W×H	mm	680×305×760	870×360×915	870×360×915	870×360×915
Weight empty approx.	kg	70	107	120	120
Colour	silver grey RAL 7001				

Functions					
Flow control		●	●	●	●
Leakstopper device		-	-	●	●
Pressure relief		●	●	●	●
Mold drain by compressed air		-	-	●	●
Temperature regulation at the consumer		-	-	●	●
Interface controller		○	○	○	○
Automatic refill		●	●	●	●
Level control		●	●	●	●
Visual fault indications		●	●	●	●
Acoustic warning		●	●	●	●

●	standard	○	optional	-	not possible
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TT-138 N	TT138 B/BP	TT-DW160	TT-1358 W
140	160	160	130
water	water	water	water
18 24	18 24	9 18	24 48
indirect + direct	indirect + direct	indirect	indirect
85 @ 160°C	85 @ 160°C		180 @ 130°C
		40 @ 150°C	400 @ 70°C
60 @ 60°C	60 @ 60°C		
●			
	●		
		●	
			●
-	●	●	-
8	8	-	-
MP-888 FeKo Type J			
3/4" BS	3/4" BS	1/2" BS	flange DN32
1" BS	1" BS	1/2" BS	1 1/2" BS
1/4" BS	1/4" BS	-	-
1240×480×1400	1240×480×1400	750×180×550/750×285×550	1710×790×1540
180	180	55/67	530
silver grey RAL 7001			

●	●	●	●
●	●	-	-
●	●	●	●
●	●	-	-
●	●	-	-
○	○	○	○
●	●	●	●
●	●	●	●
●	●	●	●
●	●	●	●

04 Oil temperature control units up to 360°C

Product	Unit	TT-248	TT-288	TT-OIL300	TT-388	TT-388	TT-388
Temperature range	°C	200	250	300	360	360	360
Heat transfer medium		oil	oil	oil	oil	oil	oil
Filling amount	l	8	9	9	15/21	27	70
Expansion volume	l	6	11	17	16	36	36
Heating capacity	kW	8	8	12	16 24	32	48
Cooling system	indirect						
Tubular heat exchanger	kW	20	60	60	90	160	230
Plate heat exchanger	kW						
at flow temperature	°C	200	250	290	360	360	360
Pump							
Motor	kW	1.8	1.8	1.8	1.8	1.8	1.8
Pump system see diagram							
Typ Z: axial face sealed 100 l/min; max. 5.5 bar		●	●	●	●	●	●
Typ A: magnetic drive 100 l/min; max. 5.5 bar		-	○	○	○	○	○
Typ X: 260 l/min; max. 4.0 bar							
Typ Y: 200–500 l/min; max. 4.0 bar							
Suction capacity vacuum	mH2O	8	8	8	8	8	8
Controller		MP-888	MP-888	MP-888	MP-888	MP-888	MP-888
Temperature sensor		FeKo Type J	FeKo Type J	FeKo Type J	FeKo Type J	FeKo Type J	FeKo Type J
Connections							
Medium		3/4" BS	3/4" BS	3/4" BS	3/4" BS	3/4" BS	1" BS
Cooling water inlet		1/2" BS	1" BS	3/4" BS	1" BS	1" BS	1" BS
Cooling water outlet		1/2" BS	1" BS	3/4" BS	1" BS	1" BS	1" BS
Water-glycol		-	-				
Compressed air min.	bar	-	-	-	-	-	-
Dimensions incl. castors L×W×H	mm	880×360×920	1130×390×1070	1130×390×995	1240×480×1400	1240×480×1500	1240×720×1500
Weight empty approx.	kg	120	150	150	205/215	235	335
Colour	silver grey RAL 7001						

Functions							
Flow control		●	●	●	●	●	●
Leakstopper device		●	●	●	●	●	-
Mold drain		●	●	●	●	●	-
Temperature regulation at the consumer		●	●	●	●	●	-
Interface controller		-	○	○	○	○	○
Level control		●	●	●	●	●	●
Visual fault indications		●	●	●	●	●	●
Acoustic warning		●	●	●	●	●	●
Pressure regulation		-	-	-	-	-	-
Double circuit version		-	●	-	●	-	-

●	standard	○	optional	-	not possible
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TT-390	TT-508 X	TT-510 X	TT-708 Y	TT-407 Z	TT-409 Z	TT-410 X	TT-608 Z
360	300	300	300	240	240	240	300
oil	oil	oil	oil	oil	oil	oil	oil
15/21	75	125	100 200 200	11	60	75	50 + 50
16	75	100	100	16	36	75	75
16 24	48	96	72 120 144	8	24	48	24 48
indirect							
90	480	480	600	67	93	150	
				143	150	175	93
360	see diagram	see diagram	see diagram	230 80	230 80	230 80	90
1.8	4	4	7.5	1.8	1.8	4	1.8
●				●	●		●
○							
	●	●					
			●			●	
8	-	-					
MP-888	MP-888	MP-888	MP-888	MP-988	MP-988	MP-988	MP-888
FeKo Type J	FeKo Type J	FeKo Type J	FeKo Type J	Pt-100	Pt-100	Pt-100	FeKo Type J
3/4" BS	flange DN32	flange DN32	flange DN50	3/4" BS	1" BS	flange DN32/PN16	3/4" BS
1" BS	1 1/2" BS	1 1/2" BS	1 1/2" BS	3/4" BS	3/4" BS	1 1/2" BS	3/4" BS
1" BS	1 1/2" BS	1 1/2" BS	1 1/2" BS				
				3/4" BS	3/4" BS	1 1/2" BS	-
-	-	-	-	5	5	5	3
1240×480×1400	1710×790×1540	2150×1300×1950	2150×1300×1950	1140×480×1400	1380×720×1500	1710×790×1540	1710×790×1540
205/215	520	845	110 /127/1270	220	340	590	540
silver grey RAL 7001							

●	●	●	●	●	●	●	●
●	-	-	-	-	-	-	-
●	-	-	-	-	-	-	-
●	-	-	-	●	●	●	-
○	○	○	○	○	○	○	-
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
-	○	○	●	●	●	●	-
●	-	-	-	-	-	-	-

05 Cooling units from -25°C up to +40°C

Product	Unit	TT-5'500 E	TT-14'500 H	TT-28'500	TT-29'800 WK
Temperature range	°C	+10°C bis +40°C	+10°C bis +40°C	+10°C bis +40°C	-25°C bis +25°C
Ambient temperatures	°C	+45°C	+45°C	+45°C	+45°C
Refrigerating agent		R-134a	R-134a	R-134a	R-404a
Heating capacity	kW	5	6	9	-
Content water tank	l	25	50	150	170
Cooling capacity nominal	kW	5	14	28	54
Pump system		E	H	CR5-7	CR5-7
Motor	kW	0.75	1.5	1.1	1.5
Pump pressure max.	bar	4.5	8.5	5	4.8
Flow capacity max.	l/min.	75	75	145	140
Flow capacity internal max.	l/min.				
Compressor	hermetically sealed				
Condenser					
Air-cooled		●	●	●	
Water-cooled		-	○	○	●
Air volume	m³/h	1'700	2'850	5'700	-
Power consumption heating/cooling model	kW	6/4	8/5	11.3/6	-/15
Controller		MP-888	MP-888	MP-888	MP-888
Temperature sensor		Pt-100	Pt-100	Pt-100	Pt-100
Connections					
Flow		3/4" BS	3/4" BS	1" BS	1" BS
Return flow		3/4" BS	3/4" BS	1" BS	1" BS
Automatic water refill		3/8" BS	3/8" BS	3/8" BS	3/8" BS
Drain			3/8" BS	1/2" BS	1/2" BS
Cooling water in only if water-cooled			3/4" BS	3/4" BS	1" BS
Cooling water out only if water-cooled			3/4" BS	1" BS	1" BS
Dimensions incl. castors LxWxH	mm	950x365x740	950x660x1300	1100x790x1660	1100x790x1660
Weight empty approx.	kg	115	190	330	390
Colour	silver grey RAL 7001				

Functions					
Flow control		●	●	●	●
Interface controller		○	○	○	○
Version without tank		-	○	○	-

●	standard	○	optional	-	not possible
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TT-54'500	TT-108'000	TT-216'000	TT-300'000
+10°C bis +40°C	+10°C bis +40°C	+10°C bis +40°C	+10°C bis +15°C
+45°C	+45°C	+45°C	-
R-134a	R-134a	R-134a	-
12	-	-	-
250	360	600	-
54	108	216	300
CR10-6	CR10-6	CR15-4	CR32-2
2.2	2.2	4	3
6.2	6/4	5/3.5	
250	100/200	200/400	600
	200	500	-
hermetically sealed			-
●	●	●	●
○	○	○	
8'000	2×8'000	4×8'000	4×8'000
18/14	-/35	-/66	6.8
Mp-888	Mp-888	MP-888	○
Pt-100	Pt-100	Pt-100	Pt-100
1 1/4" BS	1 1/2" BS	2" BS	3" BS
1 1/2" BS	2" BS	2" BS	3" BS
3/8" BS	3/8" BS	3/8" BS	-
1" BS	1" BS	1" BS	1" BS
1" BS	1" BS	2" BS	-
1" BS	1" BS	2" BS	-
1350×1050×1950	2000×1300×2090	3350×1300×2090	3350×1900×2090
585	1160	2040	1400
silver grey RAL 7001			

●	-	-	-
○	○	○	○
○	○	○	-