

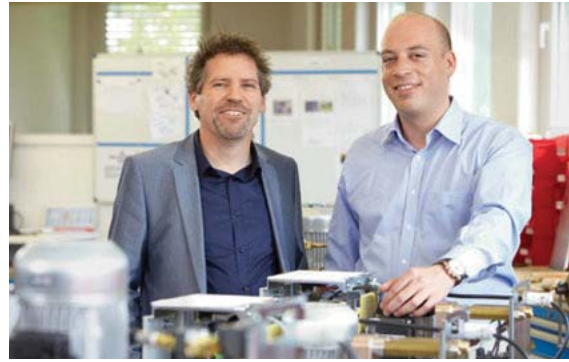
Regloplas- Temperature Control Technology

in short,
a decisive increase
in quality
and profitability!



SWISS MADE

This specialization brings significant advantages for the customer: the availability of extensive knowledge in consultation, development and application of units. Regloplas Swiss quality products are in successful use in over 50 countries.



Close cooperation between our clients, representatives and specialists result in successful designs truly suited to the applications.

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Temperature control units for water up to 90°C or thermal oil up to 150°C

Temperature control of injection moulds, extruders, rollers, vessels and other applications.

Additional advantages:

Minimal reject rates beginning at production start-up. Better cavity-filling performance. Closer tolerances. Minimizes warping and shrinkage. Better surface finish. Continuous high-quality production.



In the manufacture of injection moulded parts, correct mould temperatures can reduce reject rates by 24 % and improve productivity by up to 20 % (Research report by the Aachen Technical University/Germany).

Standard equipment

Electrical section

- RT32 or RT 33 controller, RT100 or RT61 control system → Optimal fit for practically every application.
- Electric control in accordance with IEC standards. Tropic-proof up to 90% humidity. Completely separated from the pumping section and protected against direct contact → Safe operation.

Mechanical section

- Tank made of stainless steel → Long service life.
- Water circuit made of non-ferrous materials.
- High-performance centrifugal pump and motor for circulation of the thermal oil even at low temperatures → Safe operation.
- Low thermal load of the fluid, short circulating time → Long service life of the heat transfer oil, good control performance.
- Heater elements for high corrosion resistance → Long service life.
- Filter in cooling water inlet.

Safety

- Safety thermostat → Protection against overheating.
- Automatic fluid level control → Protection against running dry.

90smart
90S
90XL
150smart
150S
150



Small-unit assembly: From standard units to special designs, Regioplus offers customised solutions.

Unit-specific equipment

Equipment	90smart	90S	90XL	150smart	150S	150
Control system RT100 (options see page 17)	–	◦	•	–	◦	◦
Control system RT61 (options see page 17)	•	–	–	•	–	–
Controller RT32 (options see page 17)	–	•	•/–	–	•	•
Controller RT33	◦	–	–	–	–	–
Solid-state Relay (SSR) instead of heating contactor	•/–	•/◦	•/◦	•	•/◦	•/◦
Electronic flow measurement	◦	◦	◦/–	◦	◦	◦
Manual shut-off valve in the inlet and outlet	–	◦	•	–	◦	◦
Leak-free pump	•	•	◦	•	•	•
Automatic water refill	•	•	•	•/– ; ◦/–	–	–
Unit in IP54 protection degree	–	–	•	–	–	–
Direct cooling	–	–	•	–	–	–

• Standard equipment ◦ Option – Not available •/– ; ◦/– Unit-specific

Further options available upon request

Technical data			90smart	90S	90XL	150smart	150S	150
Outlet temperature	max.	°C	90	90	90	150 90	150 ¹	150 ²
Heat transfer fluid			Water	Water	Water	Oil Water	Oil	Oil
Filling quantity		l	6,5	6,0	36,5	12,0	12,0	17,6
Expansion volume		l	3,2	3,4	5,5	4,0	4,0	6,0
Heating capacity at 400 V		kW	9	6; 9	20; 40; 60	6	6	12
Cooling capacity		kW	24 76	38 58	160	28 31	28	58 70
at outlet temperature		°C	90 90	80 80	80	140 90	140	140 60
Cooler (K)			1 2	1 2	DK	1 1	1	1 2
Diagram (Fig.)			1	1	2	3 1	3	3
Pump capacity					CR			
Flow rate	max.	l/min	TP20 60	TP20 TS22 60 70	5-8 10-4 140 200	TP20 60	TP20 TS22 60 70	TP20 TS22 60 70
Pressure	max.	bar	3,8	3,8 5,4	5,4 ⁴ 4,4 ⁴	3,8	3,8 5,4	3,8 5,4
Power consumption		kW	0,5	0,5 0,92	1,1 1,5	0,5	0,5 0,92	0,5 0,92
Diagram (Fig.)			4	4	5	4	4	4
Control								
Measuring mode (Standard)			RT33 RT61 Pt100	RT32 RT100 Pt100	RT32 ³ RT100 Pt100	RT61 Pt100	RT32 RT100 Pt100	RT32 RT100 Pt100
Operating voltage (Standard)		V/Hz	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE
Connections								
Outlet/inlet			G½"	G½"	G1½" IG	G½"	G½"	G¾"
Cooling water mains			G¾"	G½"	G¾"	G¾"	G½"	G½"
Dimensions W/H/D		mm	228/565/640	200/557/666	436/1357/1474	228/612/698	200/653/697	346/690/728
Weight	approx.	kg	32	44	229	41	50	78
Colour	grey		9006/7016					
Ambient temperature	max.	°C	40					
Noise level		dB(A)	< 70					
Notes	¹ Optional up to 180 °C. Only with pump TS22H. ² Optional up to 200 °C. Only with pump TS22H. ³ 90XL only with 20 kW heating capacity. ⁴ Values at 50 Hz.						DK: Direct cooling G: Parallel thread IG: Female thread	

Cooling capacity P as a function of outlet temperature ϑ .

Cooling water data:

Inlet temperature 20 °C/90smart 15 °C.

Flow rates:

90S/1K; 150smart; 150S: 10 l/min

90smart; 90S/2K; 150: 20 l/min

90XL: 36 l/min

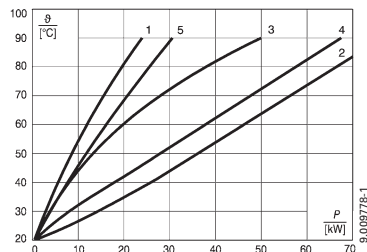


Fig. 1: Fluid water
90smart; 150smart; 90S

- 1 90smart 1K
- 2 90smart 2K
- 3 90S 1K
- 4 90S 2K
- 5 150smart 1K

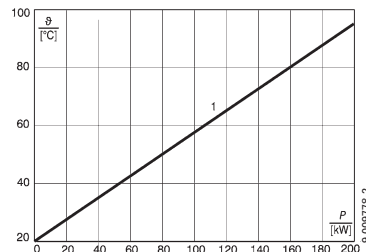


Fig. 2: Fluid water
90XL

- 1 90XL DK

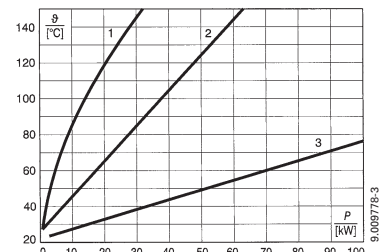


Fig. 3: Fluid oil
150smart; 150S; 150

- 1 150smart 1K; 150S 1K
- 2 150 1K
- 3 150 2K

Pressurised-water temperature control units up to 180°C

Temperature control of plastic injection moulds, diecasting dies, rollers, extruders, mixers and other applications.

Superior heat transfer has a direct effect upon the output of your production plant.



Pressurised water units can be implemented wherever there are advantages of water as a heat transfer fluid.

Patented low-scale cooling system 'SK'.

Standard equipment

Electrical section

- RT100 or RT61 control system → Optimal fit for practically every application.
- Electric control in accordance with IEC standards. Tropic-proof up to 90% humidity. Completely separated from the pumping section and protected against direct contact → Safe operation.

Mechanical section

- Operating temperature independent of cooling water pressure → Flexible operation.
- All components exposed to water are made of non-ferrous materials. Tank made of stainless steel → Long service life.
- Heating elements made of heat-resistant alloy Incoloy® for high corrosion resistance → Safe operation, long service life.
- Sturdy and powerful centrifugal pump high capacity → Quick compensation of disturbances, good regulating performance.
- Filter in cooling water inlet.
- Low-scale, dual-circuit cooling system 'SK/2SK' → Significant reduction of scaling in the cooler (not available for the P140smart).
- Automatic water refill.
- Leak-free Pump (except SG85).

Safety

- Safety valve → Prevents excessive pressure in the unit.
- Pressure gauge for system pressure.
- Safety thermostat → Protection against overheating.
- Automatic fluid level control → Protection against running dry.
- Acoustic common alarm.

P100S
P100M
P140smart
P160S
P160M(D)
P161XL
P180S
P180M(D)



Quality assurance: At Regloplas, all units, whether standard or customised, undergo all phases of rigorous final testing.

Unit-specific equipment

Equipment	P100S	P100M	P140smart	P160S	P160M(D)	P161XL	P180S	P180M(D)
Control system RT100 (options see page 17)	•	•	–	•	•	•	•	•
Control system RT61 (options see page 17)	–	–	•	–	–	–	–	–
Solid-state Relay (SSR) instead of heating contactor	•	•	•	•	•	•	•	•
Electronic flow measurement	◦	◦	◦	◦	◦	◦	◦	◦
Manual shut-off valve in the inlet and outlet	◦	◦	–	◦	◦	•	◦	◦
Inlet filter	•	•	◦	•	•	•	•	•
Display of outlet pressure on RT100	◦	◦	–	•	•	•	•	•
Drainage of the fluid from the consumer by suction	◦	◦	◦	•	•	–	•	•
Patented low-scale cooling system «SK»	–	–	–	•	•	•	•	•
Unit in IP54 protection degree	•	•	–	•	•	•	•	•

• Standard equipment ◦ Option – Not available

Further options available upon request

Technical data		P100S	P100M			P140smart	P160S	P160M(D)		P161XL	P180S	P180M(D)			
Outlet temperature max.	°C	100	100			140	160 ²	160 ³		160 ⁴	180	180			
Heat transfer fluid Filling capacity Expansion volume	l l	Water 1,0 —	Water 1,0 —			Water 4,0 0,5	Water 1,0 —	Water 1,0 —		Water 10,0 5,0	Water 1,0 —	Water 1,0 —			
Heat capacity at 400 V	kW	8	8; 18			9	8	8; 18 ¹		20; 40; 60	8	8; 18 ¹			
Cooling capacity type at outlet temperature Cooler (K) Diagram (Fig.)	kW °C	145 90 DK 3	60 90 1 2	145 90 DK 3	60 90 1 2	78 90 2 2	35 130 1 1	39 150 SK 1	66 ¹ 150 SK ¹ 2	78 ¹ 150 2SK ¹ 2	135 150 SK 3	45 170 SK 1	76 ¹ 170 SK ¹ 2	90 ¹ 170 2SK ¹ 2	
Pump capacity/type Flow rate max. Pressure max. Power consumption Diagram (Fig.)	l/min bar kW	SM22 40 5,5 0,5 4	SM 72 60 6,0 1,0 5			75 100 ¹ 6,0 ¹ 1,5 ¹ 5	SM 22 40 5,5 0,5 4	51 45 7,0 1,0 4	SM23 40 5,5 0,5 4	SM 73 60 ¹ 6,0 ¹ 1,0 ¹ 5	75 100 ¹ 6,0 ¹ 1,5 ¹ 5	SM85 200 8,0 4,0 6	SM23H 40 5,5 0,5 4	SM 73H 60 ¹ 6,0 ¹ 1,0 ¹ 5	75H 100 ¹ 6,0 ¹ 1,5 ¹ 5
Control Measuring mode (Standard)		RT100 Pt100	RT100 Pt100			RT61 Pt100	RT100 Pt100	RT100 Pt100		RT100 Pt100	RT100 Pt100	RT100 Pt100			
Operating voltage (Standard)	V/Hz	400/50, 3 PE	400/50, 3 PE			400/50, 3 PE	400/50, 3 PE	400/50, 3 PE		400/50, 3 PE	400/50, 3 PE	400/50, 3 PE			
Connections Outlet/Inlet Cooling water mains		G½"	G¾"			G½"	G½"	G¾"		G1½" IG G¾"	G½"	G¾"			
Dimensions W/H/D	mm	236/589/812	300/708/896			228/612/706	236/589/812	300/708/896 416/1556/1037(D)		436/1357/1554	236/589/812	300/708/896 416/1556/1037(D)			
Weight approx.	kg	50	60			45	52	84/170(D)		255–265	52	84/170(D)			
Colour	grey	9006/7016													
Ambient temperature max.	°C	40													
Noise level	dB(A)	< 70													
Notes		¹ Per zone ² Optional up to 140°C. Only with pump SM 22. ³ Optional up to 140°C. Only with pump SM 72. ⁴ Optional up to 140°C. Only with pump SG 85.									D: Dual zone unit G: Parallel thread IG: Female thread SK: Low-scale cooler DK: Direct cooling				

Cooling capacity P as a function of outlet temperature ϑ .
Cooling water data: Inlet temperature +20°C.

Flow rates:

P140smart:

10 l/min

P100S 1K; P100M 1K/2K; P160S; P160M(D); P180S; P180M(D):

20 l/min

P100S DK; P100M DK; P161XL:

30 l/min

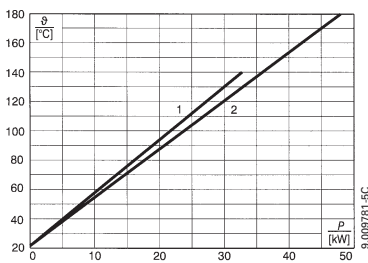


Fig. 1: P140smart; P160S; P180S

- 1 P140smart 1K
- 2 P160S SK; P180S SK

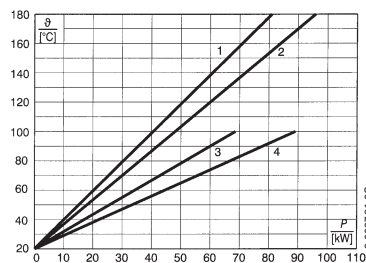


Fig. 2: P100S; P100M; P160M(D); P180M(D)

- 1 P160M(D) SK; P180M(D) SK
- 2 P160M(D) 2SK; P180M(D) 2SK
- 3 P100S 1K; P100M 1K
- 4 P100M 2K

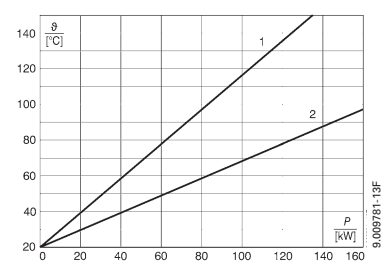


Fig. 3: P100S; P100M; P161XL

- 1 P161XL SK
- 2 P100S DK; P100M DK

Temperature control units for thermal oil up to 350°C

Temperature control of diecasting dies, extruders, rollers, mixers, vessels and other applications.



In the production of diecasting parts Regloplas temperature control units can reduce reject rates up to 80%, and make the die last up to 3 times longer, reducing heat-up time by as much as 30%.

Standard equipment

Electrical section

- RT100 or RT61 control system → Optimal fit for practically every application.
- Electric control in accordance with IEC standards. Tropic-proof up to 90% humidity. Completely separated from the pumping section and protected against direct contact → Safe operation.

Mechanical section

- Pump: With magnetic drive → Leak-free operation due to elimination of the mechanical seal. High capacity → Quick compensation of disturbances, good regulating performance.
- Separate expansion vessel → Reduces oxidation as the circulating hot oil is separated from the atmosphere by the stationary oil in the expansion vessel. Also emission of combustible oil vapors into the atmosphere is avoided.
- One-way check valve in cooling water outlet → Reduces the possibility of scale in the cooler by back-flow water.
- Filter in cooling water inlet.
- Bypass for internal circulation of the oil in case of insufficient flow, e.g. when the consumer is blocked → Avoids thermal overloading of the oil.

Safety

- Safety thermostat → Protection against overheating.
- Automatic fluid level control → Protection against running dry.
- Flow monitor → Protection against running dry and overheating of the oil.
- Pressure gauge in the outlet and inlet.
- Acoustic common alarm.

300smart

300S

300L(D)

350L(D)



Mechanical assembly: Expertise and precision assure the high quality of our products.

Unit-specific equipment

Equipment	300smart	300S	300L(D)	350L(D)
Control system RT100 (options see page 17)	–	•	•	•
Control system RT61 (options see page 17)	•	–	–	–
Solid-state Relay (SSR) instead of heating contactor	•	•	•	•
Unit in IP54 protection degree	–	•	•	•
Second level	–	–	•	o/–
Cooler with bypass circuit → Significantly better regulating behaviour, reduced possibility of scaling	–	–	o	o
Inert gas blanket → Longer oil life	–	–	–	o
Electronic flow measurement	o	o	o	o

• Standard equipment o Option – Not available o/– Unit-specific

Further options available upon request

Technical data			300smart	300S	300L(D)	350L(D)
Outlet temperature	max.	°C	300	300	300	350
Heat transfer fluid		l	Oil	Oil	Oil	Oil
Filling quantity		l	6,0	6,0	15,0 24,0	15,0 24,0
Expansion volume			7,0	7,0	20,0	20,0
Heating capacity at 400 V		kW	6	6	20; 40 ¹	20 ¹
Cooling capacity at outlet temperature		kW	70	70	160 ¹	120 160
		°C	280	280	280	300 300
Cooler (K)			1	1	1 ¹	1 ¹ 2 ^{1,2}
Diagram (Fig.)			1	1	1	2
Pump capacity/type			FM25	FM25	FM65	FM65
Flow rate	max.	l/min	45	45	90 ¹	90 ¹
Pressure	max.	bar	7,0	7,0	10,0 ¹	10,0 ¹
Power consumption		kW	1,0	1,0	2,8 ¹	2,8 ¹
Diagram (Fig.)			3	3	3	3 ¹
Control			RT61	RT100	RT100	RT100
Measuring mode (Standard)			Pt100	Pt100	Pt100	Pt100
Operating voltage (Standard)		V/Hz	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE	400/50, 3 PE
Connections Outlet/Inlet			G½"	G½"	G¾" IG	G¾" IG
Cooling water mains			G½"	G½"	G¾"	G¾"
Dimensions W/H/D		mm	316/756/897	322/758/909	436/1357/1474 546/1357/1474 (D)	546/1627/1466
Weight	approx.	kg	87	87	246 365(D)	323 373(D)
Colour	grey	RAL	9006/7016			
Ambient temperature	max.	°C	40			
Noise level		dB(A)	< 70			
Notes					¹ Per zone	D: Dual zone unit
					² With bypass circuit for the cooler	G: Parallel thread IG: Female thread

Cooling capacity P as a function of outlet temperature ϑ .

Cooling water data:

Inlet temperature +20°C

Flow rate per zone 20 l/min

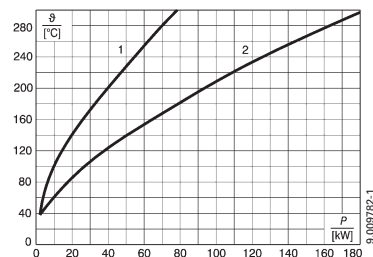


Fig. 1: 300smart; 300S; 300L(D)

- 1 300smart 1K; 300S 1K
- 2 300L(D) 1K

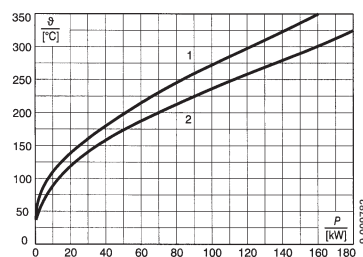


Fig. 2: 350L(D)

- 1 350L(D) 1K
- 2 350L(D) 2K

RT100 and RT61 control systems, controller RT32

The RT100 control system ensures an optimal fit for practically every application. The RT61 control system and the RT32 controller are simple, cost-effective solutions for a wide variety of applications.

All controllers are designed to avoid problems before they arise.



Modern automated manufacturing processes require data transfer between the temperature control unit and the production facility's central computer – just one of many applications for the RT100 and RT61 control systems with data interface.

Equipment	RT100	RT61	RT32
Operation and control			
3.5" colour TFT display	•	–	–
Selectable language, incl. Chinese	•	–	–
Operate with a sturdy rotary knob RCD (Regloplas Control Dial)	•	–	–
Symbol field for displaying active functions and directions	•	–	–
Dual units can be operated only via one display	•	–	–
Logbook for alarms	•	–	–
USB interface (host/device)	•	–	–
Ramp program	◦	–	–
Flow-rate deviation monitor	◦	–	–
Temperature limit values (+/–) adjustable	•	•	◦
Control of the consumer temperature with cascade control for highest temperature constancy with 2 control circuits (consumer and fluid)	◦	–	–
Set-point switch-over (value 1/value 2)	•	–	–
External sensor connection for Pt100, J (Fe-CuNi), K (NiCr-Ni) or T (Cu-CuNi)	◦	–	–
Leak-stop operation	◦/–	•/–	•/◦/–
Drainage of the fluid from the consumer by suction/blow out	◦/–	•/◦	•/◦/–
Time switch	◦	–	–
Flow rate measurement from 2 to 200 l/min for water and oil up to 350 °C	◦	◦	◦
Contactless flow-rate measurement F1000	◦	–	–
Inlet sensor (Pt100)	◦	–	–
External control: set-point switchover, heating/cooling command	◦	–	–
External control: set-point input, switching the unit on/off	◦	◦	–
Data interfaces	◦	◦	–
Scalable recorder outputs	◦	◦	–
Heater-current monitor	◦	–	–
Safety			
All disturbances in the unit are indicated on the display	•	•	–
Set-point 'blockable' as protection against incorrect adjustment	•	–	–
Monitoring of upper and lower limit values	•	•	◦
Unauthorized access to the programming levels prevented by a code	•	•	–
Automatic pump rotation correction	•	•	–
Sensor-failure monitoring	•	•	•
Automatic switch-over to the internal sensor (fluid) in the event of external sensor failure	◦	–	–
Units with automatic water refilling: In order to limit the consequences of leakage (i.e. hose burst) the filling time per refill and the number of refills per hour is limited in order to protect the production installation against damage caused by water	•	•	–
Common acoustic alarm	•	•	•
Visual alarm, colour LEDs	•	–	–
Service			
Indication of the service interval	•	•	–
Operating hours meter	•	•	–
Programmed data remains stored during replacement of electronic components	•	–	–

RT100

RT61

RT32

• Standard equipment ◦ Option – Not available •/–; ◦/– Unit-specific

Further options available upon request

Mobile high-performance water chillers with high efficiency

For efficient cooling of moulds in the plastics industry, extruders, diecasting machines, reactors, rollers and other applications.



Standard equipment

Electrical section

- PLC-process control contains all the necessary operating and switching elements for fully automatic operation.
- Fully automatic function sequences → Simple to operate.

Mechanical section

- Cooling capacity 6.8 to 58 → Ensures optimal fit to the application in question.
- Ecological refrigerant R407C.
- Bypass with manual valve for adjusting the consumer flow rate.
- Easy to install; simple maintenance.
- High efficiency → Economical operation.
- Compact design → Low space requirement.

Safety

- Pressure switches for high and low gas pressure.
- Automatic level control of the cooling water.
- Automatic water refill.

The chillers can be used wherever the consumer temperature must be lower than the temperature of the cooling water supply.

Unit-specific equipment

Equipment	RC2E7 RCWE7	RC2E11 RCWE13	RC2E20 RCWE20	RC2E30/Z RCWE25	RC2E40/Z RCWE45	RC2E60/Z RCWE55
Minimal outlet temperature -8°C	◦	◦	◦	◦	◦	◦
Centrifugal fan ^{1,2}	–	–	–	◦	◦	◦
Centrifugal fan with speed control ^{1,2,3}	–	–	–	◦	◦	◦
External installation	◦	◦	◦	◦	◦	◦/•
High pressure pump ²	◦	◦	◦	◦	◦	◦

• Standard equipment ◦ Option – Not available ¹Series RC2E only ²Larger frame ³Required for external installation of models RC2E30/Z and RC2E40/Z
Further options available upon request

Models with air-cooled condenser and refrigerant R407C

Technical data		RC2E7	RC2E11	RC2E20	RC2E30/Z	RC2E40/Z	RC2E60/Z	
Cooling capacity ¹	kW	6,8	10,4	18,8	28,0	38,5	58,0	
Outlet temperature range	°C	(-8) +8 ... +20						
Ambient temperature max.	°C	+40						
Refrigerant		R407C						
Efficiency (COP)		4,9	5,0	4,9	5,1	5,1	5,0	
Nominal compressor power	kW	1,4	2,1	3,8	5,5	7,6	11,6	
Fan flow rate	m ³ /h	2500	7800	6600	15500	14300	16500	
Pump Nominal flow	at	l/min bar	20	30	55	80	110	170
			3,3	3,6	3,3	3,0	3,7	4,0
Capacity of internal tank	l	35	35	35	200	200	320	
Operating voltage (standard)	V/Hz	400/50, 3 PE						
Power consumption (nominal/maximal)	kW	2,3/3,8	3,5/5,3	5,4/7,5	8,1/11,9	10,5/15,4	16,1/23,3	
Connections Outlet/Inlet		1"	1"	1"	1"	1½"	1½"	
Dimensions W/H/D	mm	650/1200/850	650/1200/850	650/1200/850	900/1680/1500	900/1680/1500	1100/2000/1750	
Weight net	kg	140	180	185	390	550	650	
Colour	grey	RAL	9006/7016			Galvanized		
Noise level at 10 m distance	dB(A)	50	51	51	53	53	54	
Notes	¹ At 15 °C outlet temperature (water with 30 % glycol) and 25 °C ambient temperature							

Models with higher capacity available upon request

Models with water-cooled condenser and refrigerant R407C

Technical data		RCWE7	RCWE13	RCWE20	RCWE25	RCWE45	RCWE55	
Cooling capacity ¹	kW	7,2	13,0	19,9	26,5	41,0	51,0	
Outlet temperature range	°C	(-8) +8 ... +20						
Ambient temperature max.	°C	+40						
Refrigerant		R407C						
Efficiency (COP)		6,0	5,9	5,7	5,9	6,1	5,6	
Nominal compressor power	kW	1,2	2,2	3,5	4,5	6,7	9,1	
Pump Nominal flow	at	l/min bar	20	40	60	75	120	145
			3,3	3,4	3,3	3,1	3,6	3,4
Capacity of internal tank	l	35	35	35	35	100	100	
Operating voltage (standard)	V/Hz	400/50, 3 PE						
Power consumption (nominal/maximal)	kW	1,9/3,3	2,9/5,1	4,5/6,8	5,3/8,9	8,2/13,9	10,6/16,9	
Connections Outlet/Inlet		¾"	¾"	1"	1"	1½"	1½"	
Connections Outlet/Inlet	mm	450/1100/1035	450/1100/1035	500/1200/1235	500/1200/1235	700/1600/1600	700/1600/1600	
Weight net	kg	110	170	210	230	520	590	
Colour	grey	RAL	9006/7016					
Noise level at 10 m distance	dB(A)	38	39	40	40	40	40	
Notes	¹ At 15 °C outlet temperature (water with 30 % glycol) and condenser water temperature of 30 °C							

Models with higher capacity available upon request

REG descaling unit and descaling agent REM93, corrosion inhibitor RK93 and system cleaner SR80

With the REG descaling unit, descaling agent REM93 for water and steam systems, corrosion inhibitor RK93 and system cleaner SR80 for oil circuits, Regloplas offers their customers optimal assistance for maintenance.



Descaling unit REG and descaling agent REM93 for cleaning of moulds and dies, cooling circuits and other systems operated with water or steam.

Corrosion inhibitor RK93 prevents corrosion, lime deposits and the formation of rust in water circuits.

System cleaner SR80 is a highly effective additive for cleaning heat transfer systems and other circuits contaminated by oil residue.

Regloplas accessories

Regloplas accessories cover all components for connecting the unit to the consumer, including heat transfer fluids, corrosion inhibitor and cleaners.

Regloplas accessories: Safety between temperature control unit and consumer.

Regloplas accessories are in exact accordance with our specifications – values that incorporate the experience gained over many years. Choose safety.



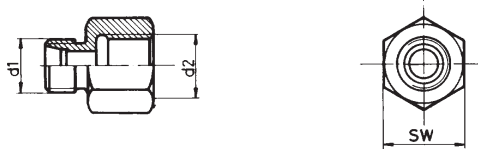
Fittings

Dimensions in mm if not specified otherwise.
 DN = Nominal width. SW = Spanner size.
 *DIN 3863: tapered sealing.

1. Adapter

d1*	d2	DN	SW	Order No.
M 14 x 1.5	R 1/2"	6	27	301-080114
M 14 x 1.5	R 3/4"	6	32	301-080118
M 16 x 1.5	R 1/2"	10	27	301-080113
M 16 x 1.5	R 3/4"	10	32	301-080117
M 18 x 1.5	M 14x1.5*	10	22	301-080115
M 18 x 1.5	M 16x1.5*	10	22	301-080112
M 18 x 1.5	R 1/2"	10	27	301-080110
M 18 x 1.5	R 1/2"	10	27	302-080108**
M 18 x 1.5	R 3/4"	12	32	302-080105**
M 26 x 1.5	R 3/4"	16	32	302-080106**

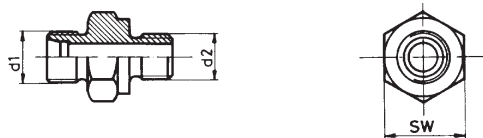
** Material 1.4301 (inox)



2. Adapter

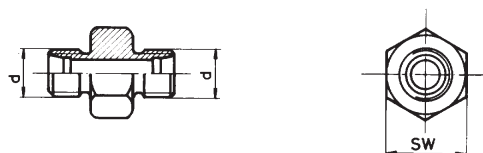
d1*	d2	DN	SW	Order No.
M 14 x 1.5	M 10 x 1*	5	14	300-080128
M 14 x 1.5	R 1/8"	5	17	301-080129
M 14 x 1.5	R 1/4"	6	17	300-080127
M 14 x 1.5	R 1/2"	6	27	301-080138
M 18 x 1.5	M 10x1*	6	19	301-080125
M 18 x 1.5	M 10x1.5*	6	19	301-080139
M 18 x 1.5	M 16x1.5*	10	22	301-080126
M 18 x 1.5	R 1/8"	6	19	301-080120
M 18 x 1.5	R 1/4"	7	19	301-080121
M 18 x 1.5	R 3/8"	10	22	301-080122
M 18 x 1.5	R 1/2"	10	27	302-080119**
M 18 x 1.5	R 3/4"	12	32	302-080107**
M 26 x 1.5	R 3/4"	16	32	301-080124

** Material 1.4301 (inox)



3. Adapter

d*	DN	SW	Order No.
M 16x1.5	8	19	301-080134
M 18x1.5	10	19	301-080130
M 26x1.5	16	32	301-080131



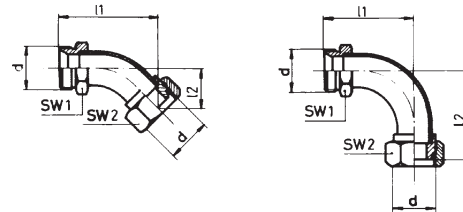
4. Dummy plug for hose fitting

d*	SW	Order No.
M 18x1.5	27	305-080140



5. Elbow with cap nut

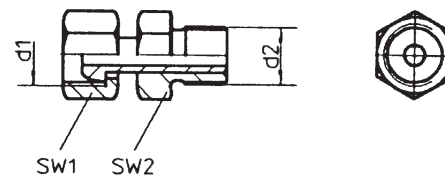
d*	α	DN	SW1	SW2	l1	l2	Order No.
M 18 x 1.5	45°	10	19	27	40	14	361-080150
M 18 x 1.5	90°	10	19	27	38	35	361-080151
M 26 x 1.5	90°	16	27	32	55	53	361-080153



6. Adapter with cap nut for filters, twin connectors, ball cocks, etc.

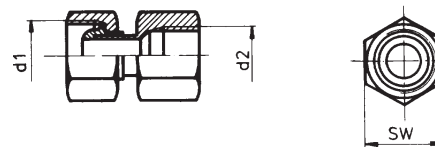
d1*	d2	DN	SW1	SW2	Order No.
M 18 x 1.5	R 3/8"	10	22	22	301-080164
M 18 x 1.5	R 1/2"	10	22	27	302-080166**
M 18 x 1.5	R 3/4"	10	22	32	302-080169**
M 26 x 1.5	R 3/4"	16	32	32	301-080167

** Material 1.4301 (inox)



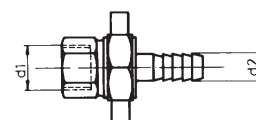
7. Adapter with cap nut for 'Hasco' standard parts.

d1*	d2	DN	SW	Order No.
M 18x1.5	M 14x1.5	10	22	301-080170
M 18x1.5	M 16x1.5	10	22	301-080171



8. Adapter for cooling water hoses

d1	d2	DN	Order No.
R 3/8"	14.5	13	300-080184
R 1/2"	17.5	16	300-080185



Further accessories on request

Hoses

1. Fabric-reinforced perbutane/neoprene hose for water up to 70°C and oil up to 120°C

d*	DN	l (m)	SW	Order No.
M 14 x 1.5	6	0.6	17	362-080213
M 14 x 1.5	6	2.5	17	362-080214
M 18 x 1.5	10	0.6	24	362-080211
M 18 x 1.5	10	2.5	24	362-080212

2. PTFE hose for water up to 200°C and oil up to 250°C. Stainless steel jacket.

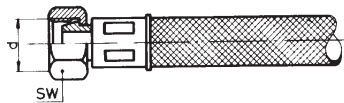
d*	DN	l (m)	SW	Min. perm. bending radius	Order No.
M 18 x 1.5	10	0.6	22	120	362-080250
M 18 x 1.5	10	2.5	22	120	362-080252
M 26 x 1.5	16	0.8	32	165	362-080251
M 26 x 1.5	16	2.5	32	165	362-080253

3. All-metal hose with steel jacket. For oil up to 350°C. Without heat insulation.

d*	DN	l (m)	SW	Min. perm. bending radius	Order No.
M 18 x 1.5	10	0.6	22	140	362-080260
M 18 x 1.5	10	1.5	22	140	362-080264
M 18 x 1.5	10	2.5	22	140	362-080262
M 26 x 1.5	16	1.0	32	175	362-080261
M 26 x 1.5	16	2.5	32	175	362-080263

4. All-metal hose with braided steel jacket. For oil up to 350°C. With heat insulation (no protection against contact).

d*	DN	l (m)	SW	Min. perm. bending radius	Order No.
M 18 x 1.5	10	2.5	22	155	362-080272
M 26 x 1.5	16	2.5	32	175	362-080273



Quick-connect couplings

1. Quick-connect coupling for water up to 100°C and oil to 200°C. Viton gasket. Shut-off in both directions.

d1*	d2	DN	l	Description	Order No.
M 18 x 1.5	38	8	69	Socket	465-080320
M 18 x 1.5	34	8	47	Plug	465-080321
M 26 x 1.5	38	16	71	Socket	465-080322
M 26 x 1.5	34	16	49	Plug	465-080323

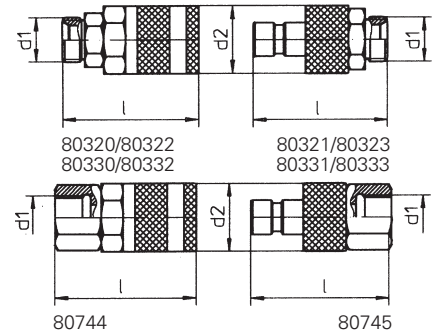
2. Quick-connect coupling for water up to 170°C. EP gasket. Shut-off in both directions.

d1*	d2	DN	l	Description	Order No.
1/2"	40	12	81	Socket	465-080744
1/2"	40	12	79	Plug	465-080745

Further accessories on request

3. Quick-connect coupling for Oil up to 200°C. Special gasket. Shut-off in both directions.

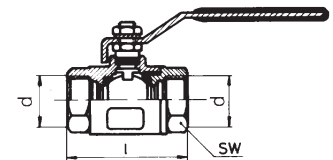
d1*	d2	DN	l	Description	Order No.
M 18 x 1.5	40	12	77	Socket	465-080330
M 18 x 1.5	40	12	78	Plug	465-080331
M 26 x 1.5	54	15	95	Socket	465-080332
M 26 x 1.5	54	15	94	Plug	465-080333



Ball cocks/Manifolds

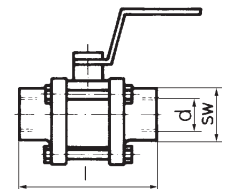
1. Ball cock for water and oil up to 160°C. PTFE gasket.

d	DN	l	SW	Order No.
R 3/8"	10	50	21	351-080410
R 1/2"	12	62	26	351-080411
R 3/4"	20	71	31	351-080412
R 1 1/2"	40	110	55	351-080413



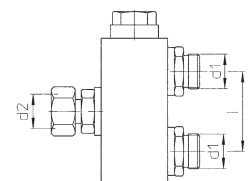
2. Ball cock for oil up to 300°C.

d	DN	l	SW	Order No.
R 1/2"	15	85	32	351-080430
R 3/4"	20	95	41	351-080431



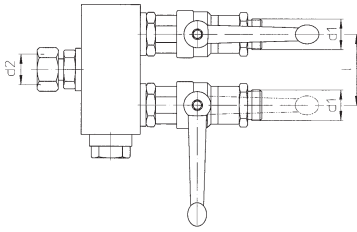
3. Twin connector without valves for water up to 160°C and oil up to 300°C.

d1*	d2*	DN	l	Order No.
M 18 x 1.5	M 18 x 1.5	10	60	351-080510
M 18 x 1.5	M 26 x 1.5	10	60	351-080511
M 26 x 1.5	M 26 x 1.5	16	60	351-080512



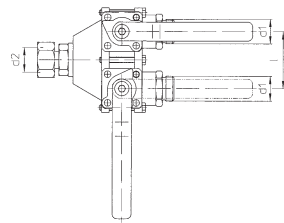
4. Twin connector with ball cocks for water and oil up to 160°C.

d1*	d2*	DN	l	Order No.
M 18 x 1.5	M 18 x 1.5	10	60	351-080530
M 18 x 1.5	M 26 x 1.5	10	60	351-080531
M 26 x 1.5	M 26 x 1.5	16	60	351-080532



5. Twin connector with ball cock for oil up to 300°C.

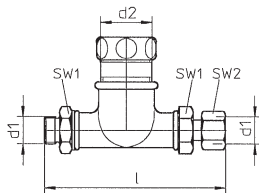
d1*	d2*	DN	l	Order No.
M 18 x 1.5	M 18 x 1.5	10	60	351-080540
M 18 x 1.5	M 26 x 1.5	10	60	351-080541
M 26 x 1.5	M 26 x 1.5	16	60	351-080542



Filling port

For corrosion inhibitor RK93.

d1	d2	SW1	SW2	L	Order No.
M 18 x 1.5	1"	27	22	119.5	361-080700



Filters

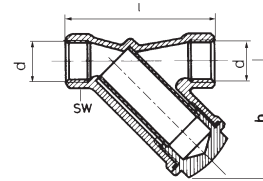
1. Angled filter for water and oil up to 160°C. Approx. 0.25 mm mesh.

d	l	h	SW	Order No.
R 3/8"	55	40	21	352-100008
R 1/2"	58	40	21	352-100010
R 3/4"	70	50	27	352-100011
R 1"	87	60	32	352-100012
R 1 1/4"	96	68	36	352-100017
R 1 1/2"	106	75	40	352-100018

Further accessories on request

2. Angled filter for oil up to 300°C. Approx. 0.56 mm mesh.

d	l	h	SW	Order No.
R 1/2"	90	60	36	352-064331
R 3/4"	110	75	41	352-064332



Flow meters

Type F150: For water and oil up to 150°C. Range 2 to 50 l/min. G3/4".

1. With control system RT100:
Order No. MP2112.
2. With controller RT32:
With separate display RDA50.
Order No. 153-065210 + 153-065215.

Type F181: For water and oil up to 180°C. With control system RT100. Range 2 to 50 l/min. G1/2".
Order No. MP2114.

Type F185: For water up to 180°C. With control system RT100. Range 20 to 280 l/min. G1".
Order No. MP2115.

Type F351: For oil up to 350°C. With control system RT100. Range 2 to 50 l/min. G3/4".
Order No. MP2113.



F150



F181; F185



F351

Flow indicator

Flow indicator with ball, for water and oil up to 150°C.

d	l	Order No.
R 1/2"	68	153-080710
R 3/4"	75	153-080711

