Data sheet

Transmission station Regudis H

OVENTROP transmission station Regudis H with plate heat exchanger for the indirect transmission of heat from a local or district heating network to the potable water and heating system of detached houses or multiple occupancy dwellings.

With electronic controller for the weather guided control of the flow temperature of the heating system and simultaneous limitation of the return temperature to the local/district heating network.

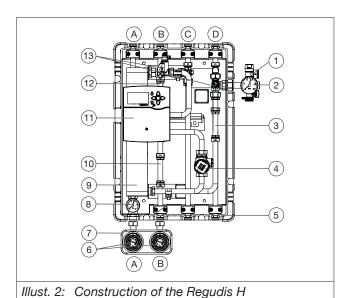
Free choice of potable water priority function or parallel operation with the heating circuit. A potable water storage cylinder with internal heat exchanger can be connected to the primary side.

For use in closed local and district heating networks, for operation with non-aggressive, harmless fluids (e.g. water or suitable water and glycol mixtures according to VDI 2035/ÖNORM 5195).

The station is supplied with mounted functional modules and is completely parameterized and tested at works.



Illust. 1: Transmission station Regudis H



(1)	Safety group			
(2)	Pressure gauge			
(3)	Spacer for heat meter			
(4)	Pressure independent control valve Cocon QTZ with actuator			
(5)	Rear insulation shell			
(6)	Thermometer			
(7)	Rear insulation shell			
(8)	Pressure gauge			
(9)	Heat exchanger			
(10)	Spacer for heat meter			
(11)	Electronic controller			
(12)	Spacer for heat meter			
(13)	Strainer with venting valve			
Conr	Connections			
Α	Primary circuit supply			
В	Primary circuit return			
С	Secondary circuit supply			
D	Secondary circuit return			

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Transmission station Regudis H DN 20

Spacers

Data sheet

Stainless steel 1.4404

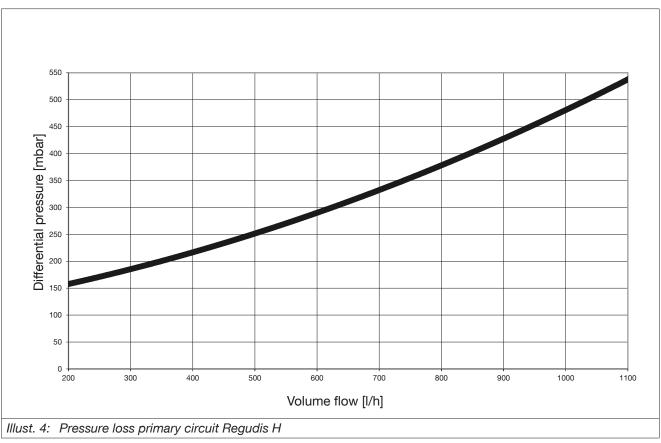
General information				
Item no.		1391		
Designation			Regudis H	
Nominal size			DN20	
Max. operating temperature ts			95°C	
Max. operating pressu ps	10 bar			
Min. operating pressur	1 bar			
Max. primary differenti pressure	4 bar			
Ambient temperature	Γ	2-35	°C	
Empty weight				
Regudis H		18.8	1 kg	
Hydronic performance	data	1	_	
Safety valve secondary side		3 bar		
Max. primary volume f	low	1300 l/h		
Display range of the		0 - 10 bar		
pressure gauge				
Operating fluids			Water / mixtures of water and glycol	
Dimensions				
Regudis H Wid Heig x De		ght epth		
Regudis H	Heig	ght epth	545 x 775 x 295	
Connections to the pip	Heig x De (in n	ght epth nm)	545 x 775 x 295	
	Heig x De (in n	ght epth nm) rk Flat	545 x 775 x 295 sealing male ad G 3/4	
Connections to the pip	Heig x De (in n	pht epth nm) rk Flat s threa	sealing male	
Connections to the pip Transmission station	Heig x De (in n	pht epth nm) rk Flat s threa flat s	sealing male ad G ¾ sealing male	
Connections to the pip Transmission station Ball valve connection s	Heig x De (in n	pht epth nm) rk Flat s threa threa	sealing male ad G ¾ sealing male	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage con-	Heig x De (in n	ght epth nm) rk Flat : threa threa 230 '	sealing male ad G ¾ sealing male ad G1	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller	Heig x De (in n	ght epth nm) rk Flat : threa threa 230 '	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator	Heig x De (in n	rk Flat : threa 230 Clos off, 2 volta	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material	Heig x De (in n	rk Flat s threa 230 Clos off, 2 volta Bras	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control age 0-10 V	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material Valves and fittings	Heig x De (in n	rk Flat: threa 230 Clos off, 2 volta Fibre	sealing male ad G ¾ sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control age 0-10 V s, bronze	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material Valves and fittings Seals	Heig x De (in n	rk Flat: threa 230 Clos off, 2 volta Fibre	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 2/4 V DC, control age 0-10 V s, bronze e materials; EPDM	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material Valves and fittings Seals Base plate	Heig x De (in n	rk Flat : threa a 230 Clos off, 2 volta Bras Fibre Galv Plate	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 2/4 V DC, control age 0-10 V s, bronze e materials; EPDM	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material Valves and fittings Seals Base plate Thermal insulation	Heig x De (in n	rk Flat sthrea 230 Closs off, 2 volta Brass Fibre Galv EPP Plate less Coni	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control age 0-10 V s, bronze e materials; EPDM anised steel	
Connections to the pip Transmission station Ball valve connection s Electrical performance Operating voltage controller Actuator Material Valves and fittings Seals Base plate Thermal insulation	Heig x De (in n	rk Flat sthrea Flat sthrea Clos off, 2 volta Bras Fibre Galv EPP Plate less Coni	sealing male ad G 3/4 sealing male ad G1 V AC, 50-60 Hz ed with current 24 V DC, control 1/2 ge 0-10 V s, bronze e materials; EPDM anised steel e material: stainsteel 1.4401 nections: Stainless 1.4404 ing material:	

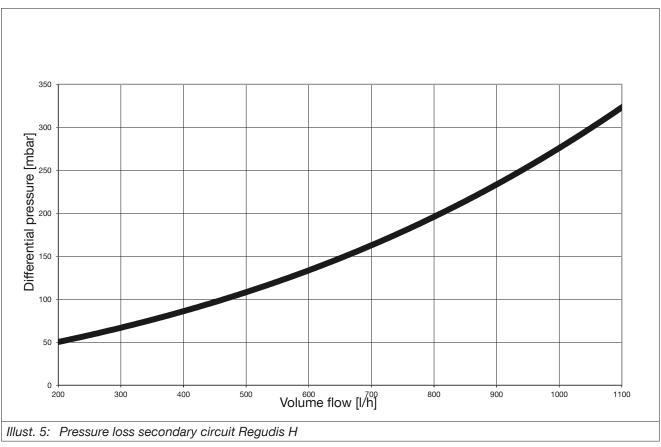
089	545 470		295	
Illust 3:	Dimensions in m	m	135	

Designation	Item no.
Accessories	
Monovalent potable water stor-	1395010
age cylinder Hydrocor WM	1395011
	1395012
Diaphragm expansion tank	1399091
	1399092
Extension module Regtronic EM	1152098
Connection set	1399080

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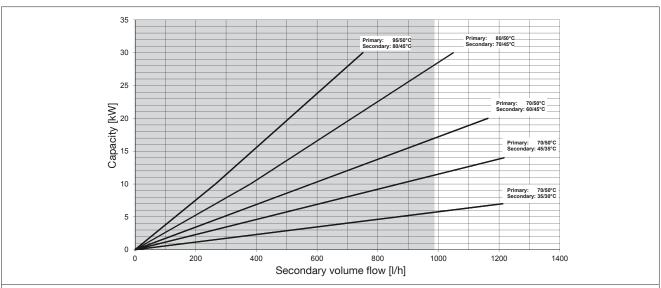
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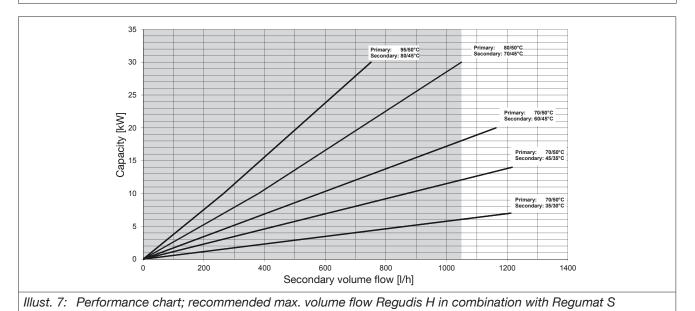


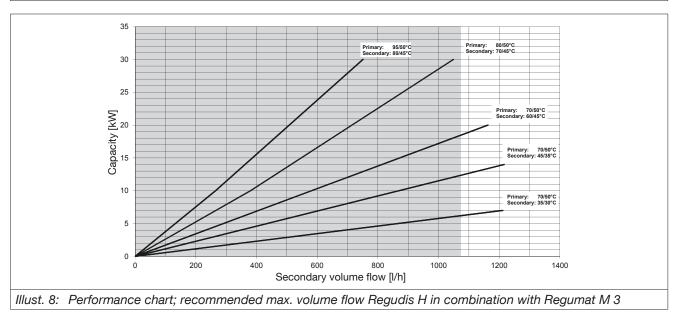
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Illust. 6: Performance chart; recommended max. volume flow Regudis H in combination with HT switching module





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