Data sheet

Transmission station Regudis H-MT

For the connection of a variable temperature heating circuit (surface heating) and a potable water storage cylinder

OVENTROP transmission station Regudis H-MT 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.

With HT switching module and electric pipe contact safety switch for the connection of a variable temperature heating circuit (surface heating).

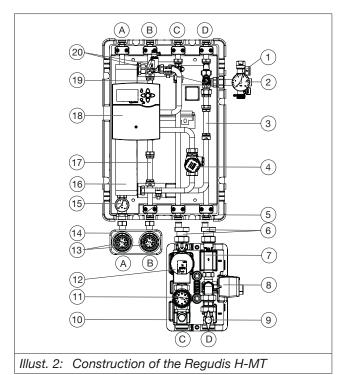
A potable water storage cylinder with internal heat exchanger can be connected to the secondary side.

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-MT



(1)	Safety group
(2)	Pressure gauge
(3)	Spacer for heat meter
(4)	Pressure independent control valve Cocon QTZ with actuator

Rear insulation shell			
Connection fitting			
Flanged pipe with check valve			
Switching valve with 2 point actuator			
Ball valve with handle (2x)			
Rear insulation shell			
Ball valve with thermometer inside the handle			
Pump			
Thermometer			
Rear insulation shell			
Pressure gauge			
Heat exchanger			
Spacer for heat meter			
Electronic controller			
Spacer for heat meter			
Strainer with venting valve			
Connections			
Primary circuit supply			
Primary circuit return			
Secondary circuits supply			
Secondary circuits return			

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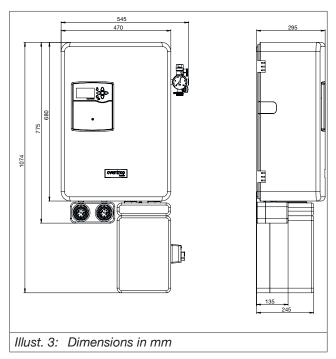
Data sheet

General information					
Item no.			1392027		
Designation		Regudis H-MT			
Nominal size			0		
Max. operating tempera-		95°C			
ture ts					
Max. operating pressure		10 bar			
ps					
Min. operating pressure		1 bar			
ps					
Max. primary differential			4 bar		
Ambient temperature	-	2-35°C			
Ambient temperature	<u>'</u>	2-30			
Empty weight		00.00 1			
Regudis H-MT	-1-4-	28.36 kg			
Hydronic performance		1			
Safety valve secondary side		3 bar			
Max. primary volume f	low	1300 l/h			
Display range of the pressure gauge			0 - 10 bar		
Operating fluids		Water / mixtures of water and glycol			
Dimensions			water and grycor		
Regudis H-MT	Wid	th x	545 x 1074 x 295		
11094410111111	Heig	ght	0.0%.0%.0%		
	x De				
0		nm)			
Connections to the pipework					
Transmission station		Flat sealing male thread G ¾			
Ball valve connection s	set	Flat sealing male thread G1			
HT switching module		Flat sealing male			
		thread G1 ½			
Electrical performance	data	а			
Operating voltage controller		230 V AC, 50-60 Hz			
Actuator		Closed with current			
		off, 24 V DC, control voltage 0-10 V			
Material					
Valves and fittings	Brass, bronze				
Seals		Fibre materials; EPDM			
D. I.		Oalvania al ala l			

Base plate

Thermal insulation

Heat exchanger	Plate material: stain- less steel 1.4401		
	Connections: Stainless steel 1.4404		
	Brazing material: Copper		
Pipes	Stainless steel 1.4404		
Spacers	Stainless steel 1.4404		



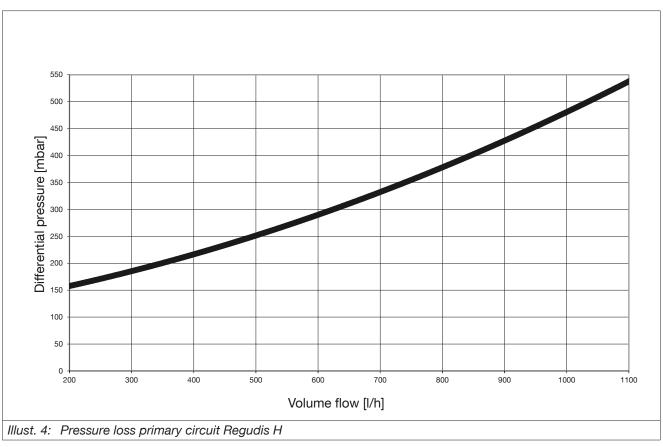
Designation	Item no.				
Accessories					
Monovalent potable water stor-	1395010				
age cylinder Hydrocor WM	1395011				
	1395012				
Diaphragm expansion tank	1399091				
	1399092				
Extension module Regtronic EM	1152098				
Connection set	1399080				

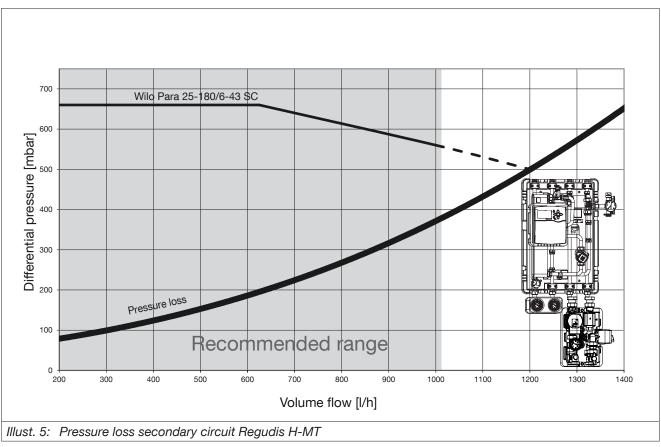
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Galvanised steel

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Data sheet



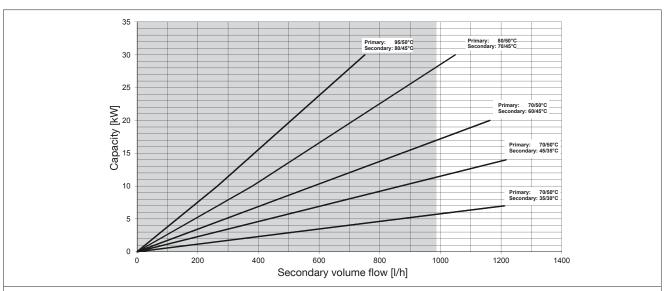


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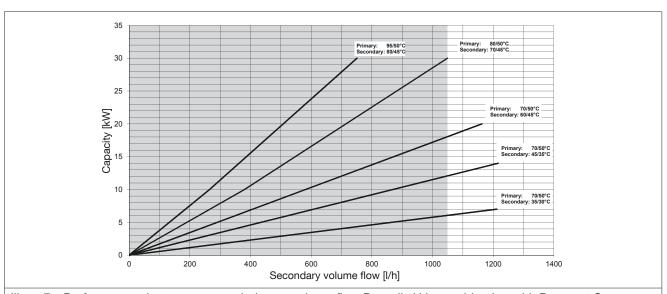
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Illust. 6: Performance chart; recommended max. volume flow Regudis H in combination with HT switching module



Illust. 7: Performance chart; recommended max. volume flow Regudis H in combination with Regumat S

