Data sheet

## **Transmission station Regudis H-M**

## For the connection of a variable temperature heating circuit (surface heating)

OVENTROP transmission station Regudis H-M 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.

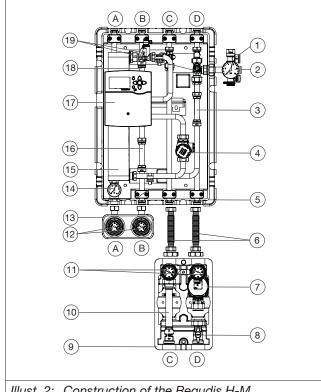
With electronic controller for the weather guided control of the flow temperature of the heating system and simultaneous limitation of the return temperature to the local/district heating network.

With pump group Regumat S and electric pipe contact safety switch for the connection of a variable temperature heating circuit (surface heating).

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. 2: Construction of the Regudis H-M

(1)	Safety group
(2)	Pressure gauge



Illust. 1: Transmission station Regudis H-M

(3)	Spacer for heat meter	
(4)	Pressure independent control valve Cocon QTZ with actuator	
(5)	Rear insulation shell	
(6)	Connecting pipe	
(7)	Pump	
(8)	Ball valve with handle	
(9)	Rear insulation shell	
(10)	Flanged pipe with check valve	
(11)	Ball valve with thermometer inside the handle	
(12)	Thermometer	
(13)	Rear insulation shell	
(14)	Pressure gauge	
(15)	Heat exchanger	
(16)	Spacer for heat meter	
(17)	Electronic controller	
(18)	Spacer for heat meter	
(19)	Strainer with venting valve	
Connections		
Α	Primary circuit supply	
В	Primary circuit return	
С	Secondary circuit supply	
D	Secondary circuit return	

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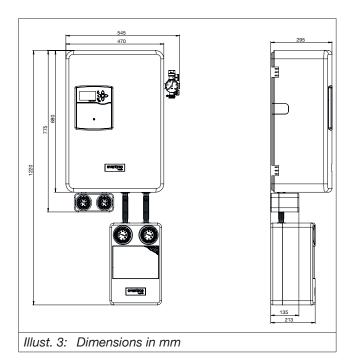


## Transmission station Regudis H-M DN 20

## Data sheet

General information						
Item no.	1392021					
Designation	Regudis H-M					
Nominal size	DN20					
Max. operating tempera-	95°C					
ture ts	30 0					
Max. operating pressure ps	10 bar					
Min. operating pressure ps	1 bar					
Max. primary differential pressure	4 bar					
Ambient temperature T	2-35°C					
Empty weight						
Regudis H-M	25.41 kg					
Hydronic performance dat	a					
Safety valve secondary side	3 bar					
Max. primary volume flow	1300 l/h					
Display range of the pressure gauge	0 - 10 bar					
Operating fluids	Water / mixtures of water and glycol					
Dimensions						
He x C	dth x   545 x 1220 x 295   ight   Depth   mm)					
Connections to the pipewo	ork					
Transmission station	Flat sealing male thread G ¾					
Ball valve connection set	Flat sealing male thread G1					
Regumat	Flat sealing male thread G1 ½					
Electrical performance da	Electrical performance data					
Operating voltage con-	ta					
troller	230 V AC, 50-60 Hz					
troller Actuator						
	230 V AC, 50-60 Hz  Closed with current off, 24 V DC, control					
Actuator	230 V AC, 50-60 Hz  Closed with current off, 24 V DC, control					
Actuator  Material	230 V AC, 50-60 Hz  Closed with current off, 24 V DC, control voltage 0-10 V					
Actuator  Material  Valves and fittings	230 V AC, 50-60 Hz  Closed with current off, 24 V DC, control voltage 0-10 V  Brass, bronze					

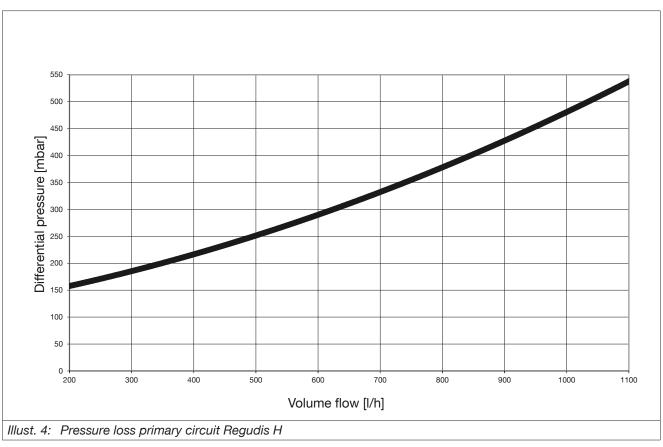
Heat exchanger	Plate material: stain- less steel 1.4401
	Connections: Stainless steel 1.4404
	Brazing material: Copper
Pipes	Stainless steel 1.4404
Spacers	Stainless steel 1.4404

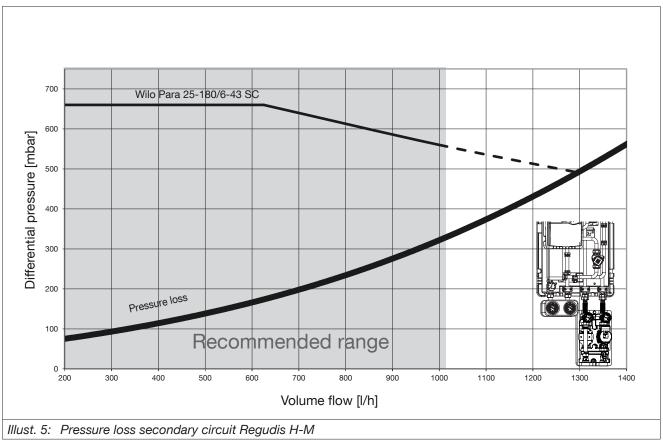


Designation	Item no.			
Accessories				
Monovalent potable water stor-	1395010			
age cylinder Hydrocor WM	1395011			
	1395012			
Diaphragm expansion tank	1399091			
	1399092			
Extension module Regtronic EM	1152098			
Connection set	1399080			

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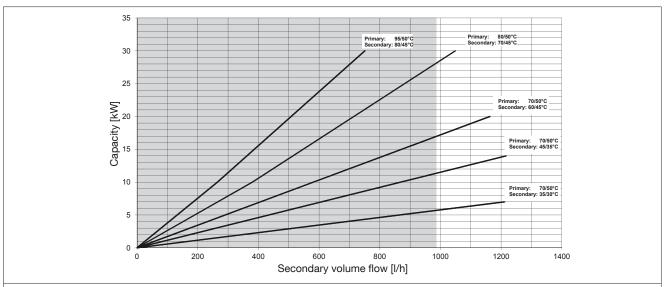
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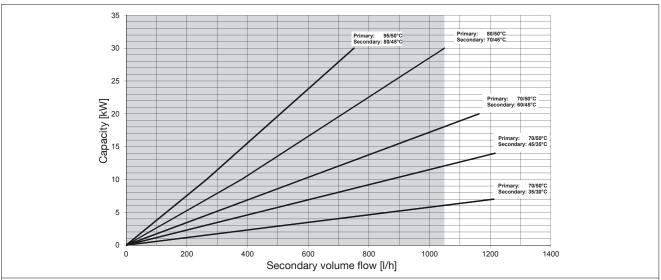


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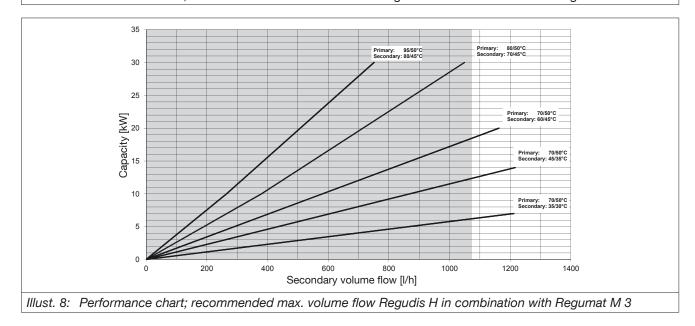
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Illust. 6: Performance chart; recommended max. volume flow Regudis H in combination with HT switching module



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



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