Data sheet

Transmission station Regudis H-H

For the connection of a constant temperature heating circuit (radiators)

OVENTROP transmission station Regudis H-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.

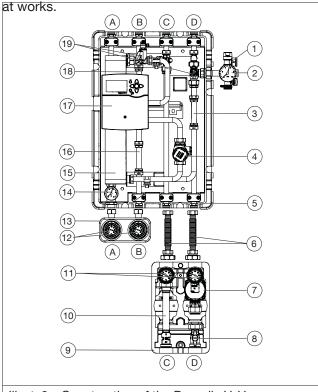
With electronic controller for the weather guided control of the flow temperature of the heating system and simultaneous limitation of the return temperature to the local/district heating network.

With pump group Regumat S for the connection of a constant temperature heating circuit (radiators) or a storage cylinder.

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



Illust. 2: Construction of the Regudis H-H

(1)	Safety group
(2)	Pressure gauge
(3)	Spacer for heat meter



Illust. 1: Transmission station Regudis F	1-H	
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(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)	8) Spacer for heat meter		
(19)	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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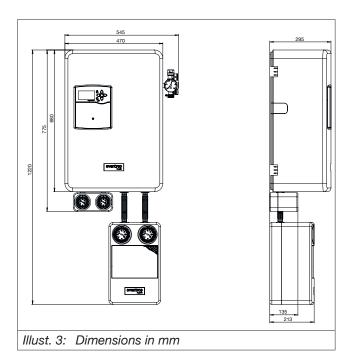


Transmission station Regudis H-H DN 20

Data sheet

General information				
Item no.		1391	021	
Designation			Regudis H-H	
			0	
Nominal size				
Max. operating temperature ts			95°C	
Max. operating pressure ps		10 bar		
Min. operating pressure ps		1 bar		
Max. primary differential pressure		4 bar		
Ambient temperature 1	Γ	2-35	°C	
Empty weight				
Regudis H-H		25.09 kg		
Hydronic performance	data	ı		
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				
Regudis H-H Wid Heig x De		ht	545 x 1220 x 295	
Connections to the pip	ewo	rk		
Transmission station		Flat sealing male thread G ¾		
Ball valve connection s	et	Flat sealing male thread G1		
Regumat		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			
Base plate	Galvanised steel			
The word in a colotion	Thermal insulation			

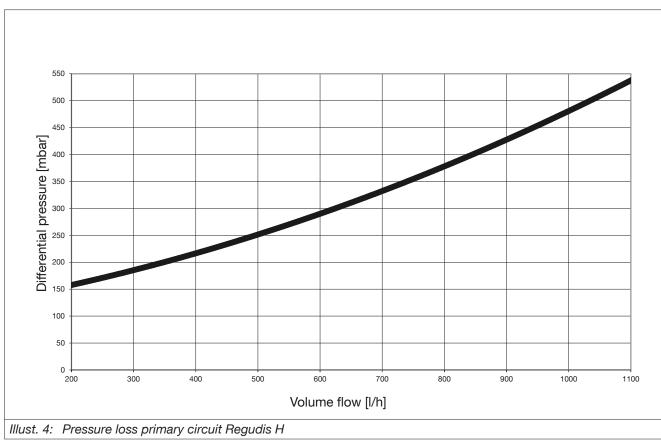
Heat exchanger	Plate material: stain- less steel 1.4401	
	Connections: Stainless steel 1.4404	
	Brazing material: Copper	
Pipes	Stainless steel 1.4404	
Spacers	Stainless steel 1.4404	

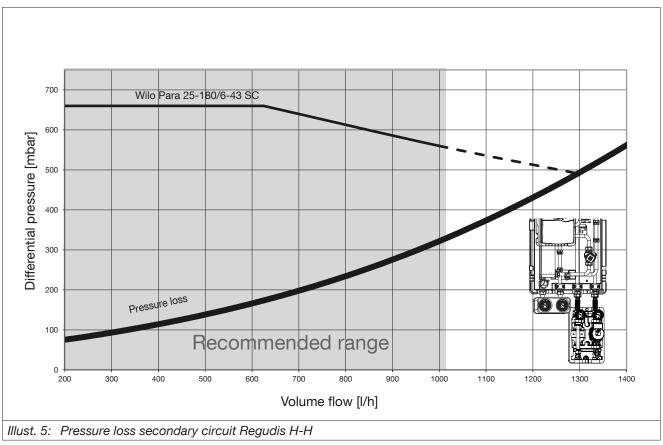


Designation	Item no.			
Accessories				
Monovalent potable water stor-	1395010			
age cylinder Hydrocor WM	1395011			
	1395012			
Diaphragm expansion tank	1399091			
	1399092			
Extension module Regtronic EM	1152098			
Connection set	1399080			

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Data sheet



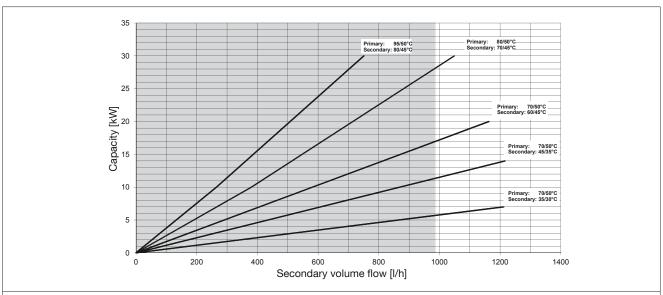


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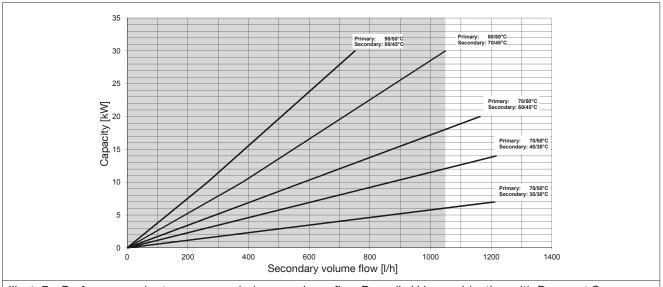
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Data sheet

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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

