Transmission station Regudis H-HT

For the connection of a constant temperature heating circuit (radiators) and a potable water storage cylinder

OVENTROP transmission station Regudis H-HT 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 for the connection of a constant temperature heating circuit (radiators).

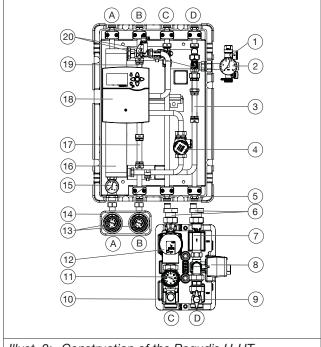
A potable water storage cylinder with internal heat exchanger can be connected to the secondary side.

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-HT

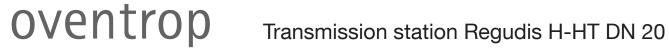


Illust. 2: Construction of the Regudis H-HT

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

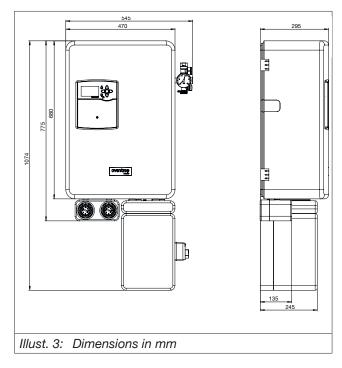
(6)	Connection fitting			
(7)	Flanged pipe with check valve			
(8)	Switching valve with 2 point actuator			
(9)	Ball valve with handle (2x)			
(10)	Rear insulation shell			
(11)	Ball valve with thermometer inside the handle			
(12)	Pump			
(13)	Thermometer			
(14)	Rear insulation shell			
(15)	Pressure gauge			
(16)	Heat exchanger			
(17)	Spacer for heat meter			
(18)	Electronic controller			
(19)	Spacer for heat meter			
(20)	Strainer with venting valve			
Connections				
Α	Primary circuit supply			
В	Primary circuit return			
С	Secondary circuits supply			
D	Secondary circuits return			

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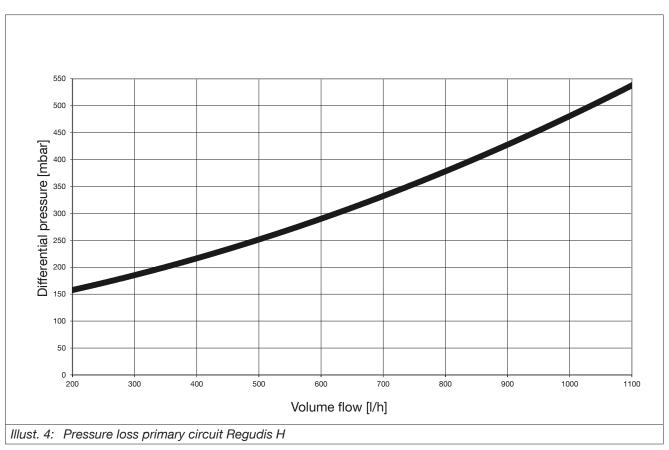
General information						
Item no.		1391	027			
		Regudis H-HT				
Designation						
Nominal size		DN20 95°C				
Max. operating temperature ts			,			
Max. operating pressure ps		10 b	ar			
Min. operating pressure ps	1 bar					
Max. primary differential pressure		4 bar				
Ambient temperature T	•	2-35	°C			
Empty weight						
Regudis H-HT		28.21 kg				
Hydronic performance data						
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-HT Wid Heig x De (in n		ht	545 x 1074 x 295			
Connections to the pip	ewo	rk				
Transmission station		Flat sealing male thread G 3/4				
Ball valve connection set		Flat sealing male thread G1				
HT switching module		Flat sealing male thread G1 ½				
Electrical performance	data	a				
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					

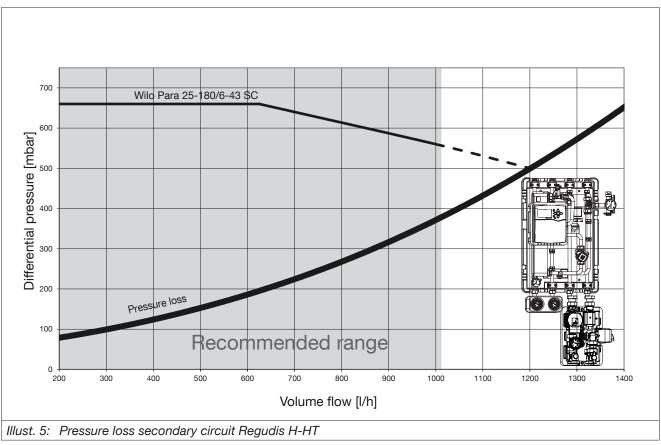
Heat exchanger	Plate material: stain- less steel 1.4401	
	Connections: Stainless steel 1.4404	
	Brazing material: Copper	
Pipes	Stainless steel 1.4404	
Spacers	Stainless steel 1.4404	



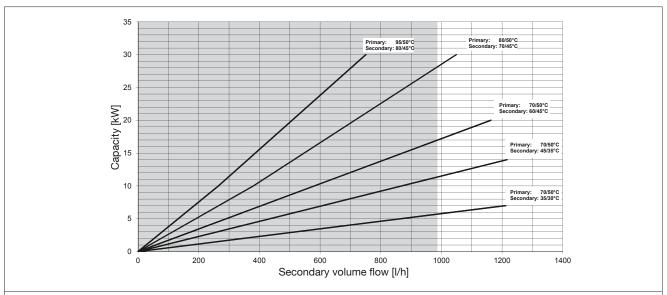
Designation	Item no.				
Accessories					
Monovalent potable water stor-	1395010				
age cylinder Hydrocor WM	1395011				
	1395012				
Diaphragm expansion tank	1399091				
	1399092				
Extension module Regtronic EM	1152098				
Connection set	1399080				

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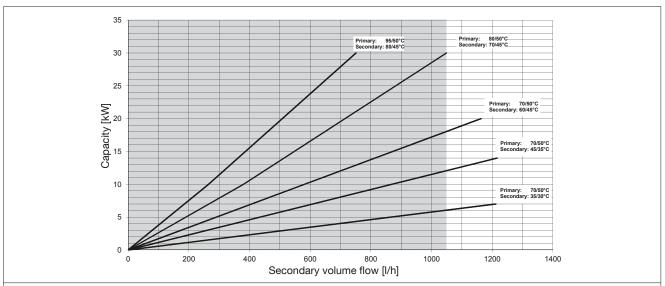




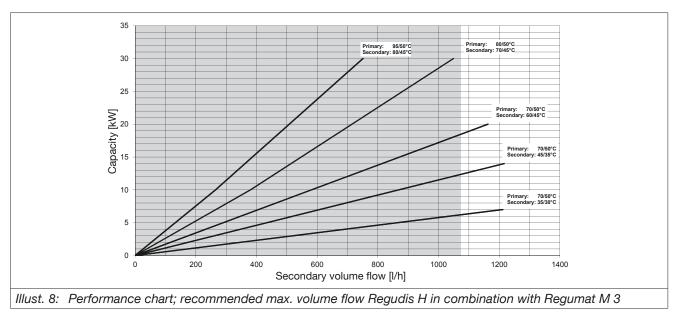
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Illust. 6: Performance chart; recommended max. volume flow Regudis H in combination with HT switching module



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



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