

### Technical Data

Part No. and prices: see Price List



Vertical heat exchanger



Horizontal heat exchanger

**File in:**  
 Vitotec 1 Manual, Index 15  
 Heating Technology Manual 2, Index 27

### Vitotrans 200

#### Type WTR

2-way design

For tapping off heat from district heating systems.

Double pipe constructed from high-grade stainless steel

Units which require test certificates are type-tested

Conforms to DIN 4753 and pressure vessel manufacturers' association recommendations



Certificated in accordance with DIN ISO 9001  
 Certificate Reg. No. 12 100 5581

## Technical data

### Outputs

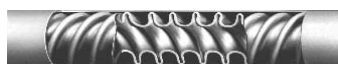
<b>Output</b> with a rise in the secondary water temperature from ..... to ..... °C and in the primary water temperature from ..... to ..... °C*1	prim. 160/55 °C sec. 50/80 °C	kW	115	200	300	510	780	1080
	prim. 130/75 °C sec. 70/90 °C	kW	85	145	220	365	565	780
	prim. 130/70 °C sec. 65/85 °C	kW	93	160	240	400	625	850
	prim. 130/55 °C sec. 50/70 °C	kW	100	197	295	492	760	1045
	prim. 130/50 °C sec. 45/70 °C	kW	90	155	232	392	610	830
	prim. 120/60 °C sec. 55/75 °C	kW	85	145	220	365	565	780
	prim. 110/75 °C sec. 70/90 °C	kW	35	60	90	155	240	325
	prim. 110/70 °C sec. 65/85 °C	kW	45	75	115	195	305	415
<b>Vitotrans 200</b>	Part No.		3003 479	3003 480	3003 481	3003 482	3003 483	3003 484

\*1 Outputs for other temperature ranges on request.

### Technical data

<b>Dimensions (vertical)</b>								
Length (diameter)	mm	231	290	326	366	450	525	
Width	mm	324	378	404	537	570	672	
Height	mm	1810	1850	1876	2060	2073	2129	
<b>Dimensions (horizontal)</b>								
Length	mm	1810	1850	1876	2060	2073	2129	
Width (diameter)	mm	231	290	376	366	450	525	
Height	mm	574	628	654	922	975	1047	
<b>Weight</b>	kg	60	95	130	190	280	370	
Heat exchanger with insulation and mating flanges								
<b>Capacity</b>								
Primary side (around the pipes)	ltr	7	13	19	30	47	63	
Secondary side (inside the pipes)	ltr	5	9	13	21	36	47	
<b>Max. operating pressure</b>								
Primary side (around the pipes)	bar	25	25	25	25	25	25	
Secondary side (inside the pipes)	bar	10	10	10	10	10	10	
<b>Max. operating temperature</b>								
Primary side	°C	200	200	200	200	200	200	
<b>Connections</b>								
Primary side (district heat)	PN40 DN	25	32	40	50	65	65	
Secondary side (heating system heat)	PN16 DN	32	50	65	100	100	125	

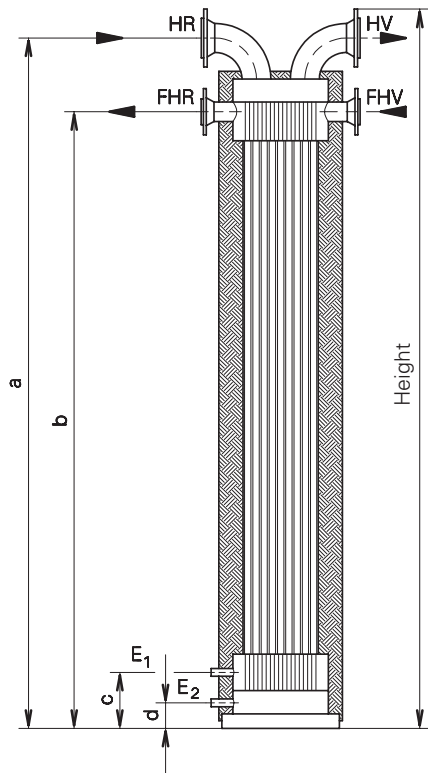
### Double pipe in the Vitotrans 200



### Connections

The heat exchanger is suitable for vertical or horizontal installation (note position of connections).

#### Vertical



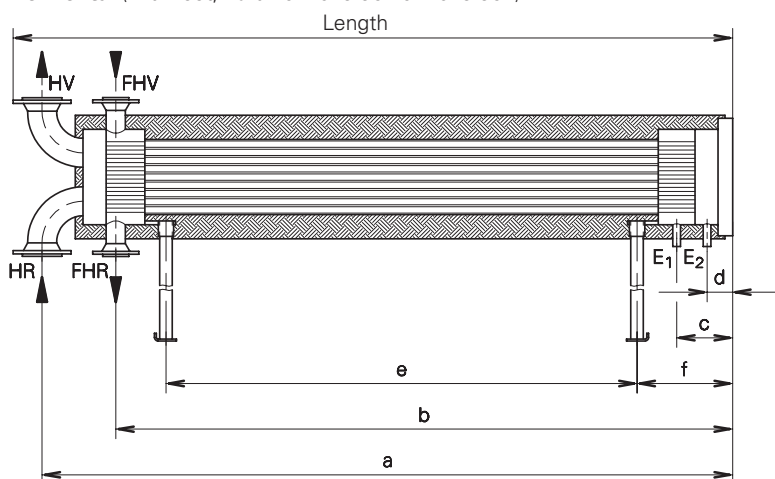
#### Dimensions

Part No.	3003 479	3003 480	3003 481	3003 482	3003 483	3003 484
a mm	1740	1768	1783	1950	1963	2004
b mm	1605	1608	1613	1713	1719	1772
c mm	106	116	121	132	147	154
d mm	65	71	71	72	74	76
e mm	1318	1302	1286	1332	1308	1306
f mm	196	214	227	264	284	287
g mm	250	250	250	385	405	375
h mm	324	378	404	537	570	672

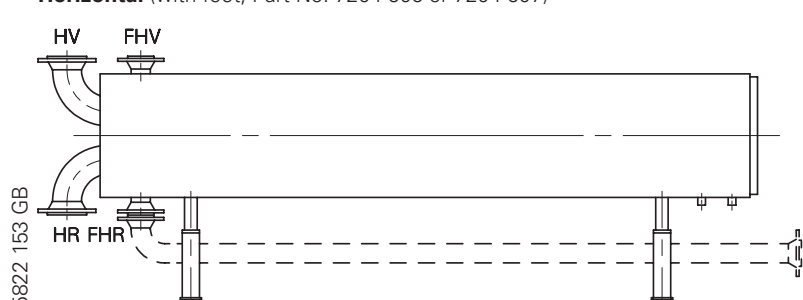
#### Legend

- E<sub>1</sub> Primary drain ½" dia. (male thread)
- E<sub>2</sub> Secondary drain ½" dia. (male thread)
- FHR Primary return (district heating water)
- FHV Primary flow (district heating water)
- HR Secondary return (heating system water)
- HV Secondary flow (heating system water)

#### Horizontal (with feet, Part No. 7049 961 or 7049 962)



#### Horizontal (with feet, Part No. 7204 606 or 7204 607)



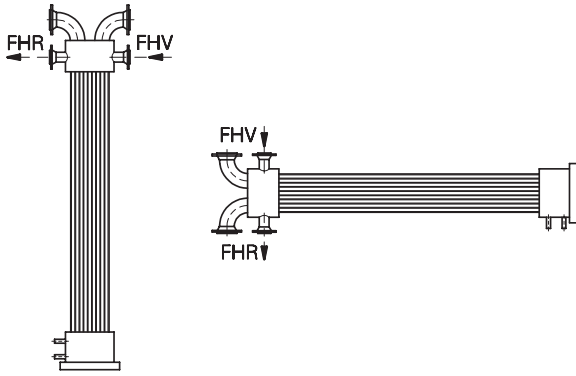
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**Pressure drop**

**Primary side**

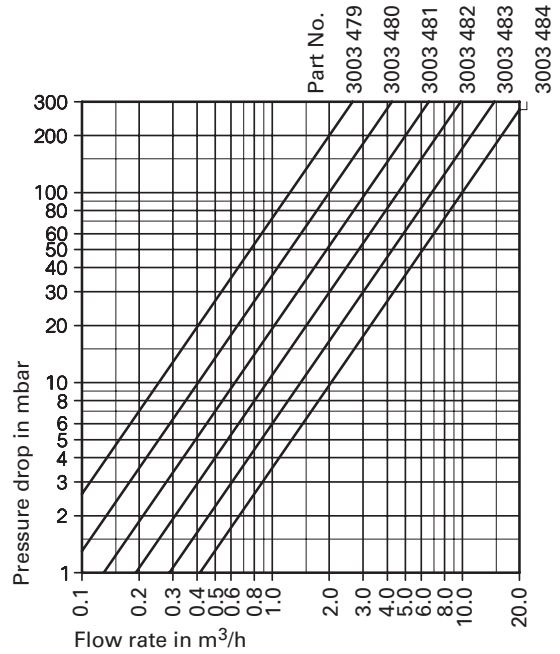
(around the pipes), district heating water

Flow diagram



**Legend**

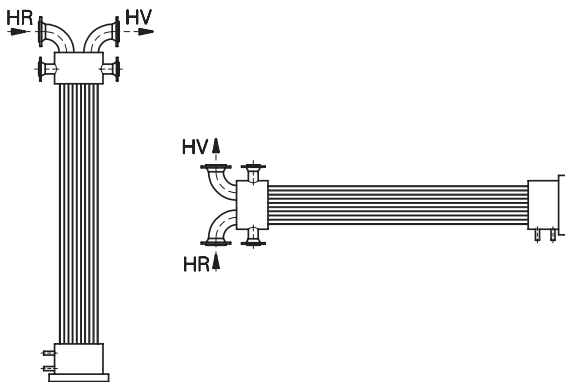
FHR Primary return (district heating water)  
 FHV Primary flow (district heating water)



**Secondary side**

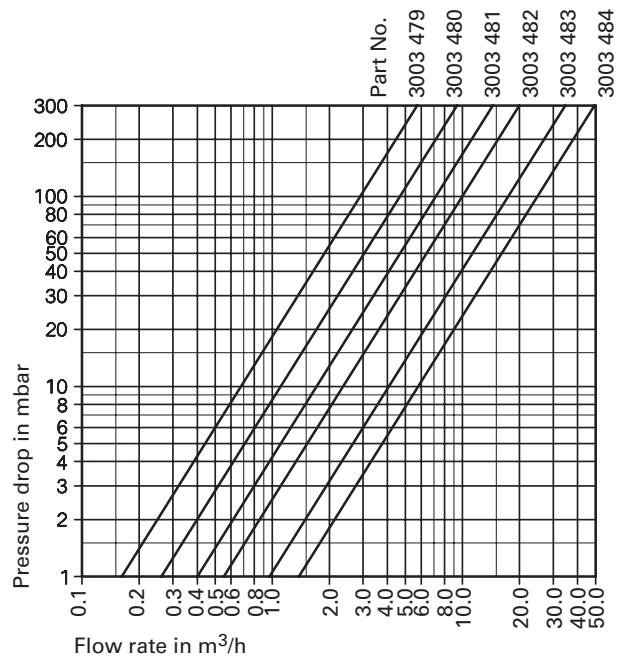
(inside the pipes), heating system water

Flow diagram



**Legend**

HR Secondary return (heating system water)  
 HV Secondary flow (heating system water)



## Standard delivery

Vitotrans 200 with fitted insulation, in vito-silver finish.  
 With mating flanges, bolts and gaskets for the primary and secondary connections.

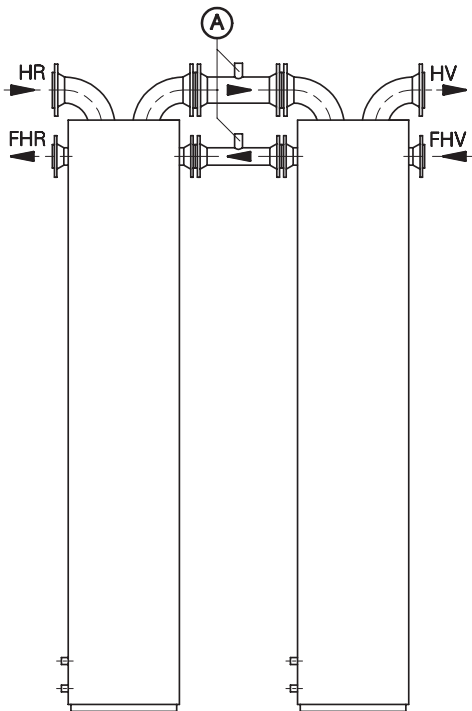
## Test certificates

Units which require test certificates are type-tested.

## Notes on planning

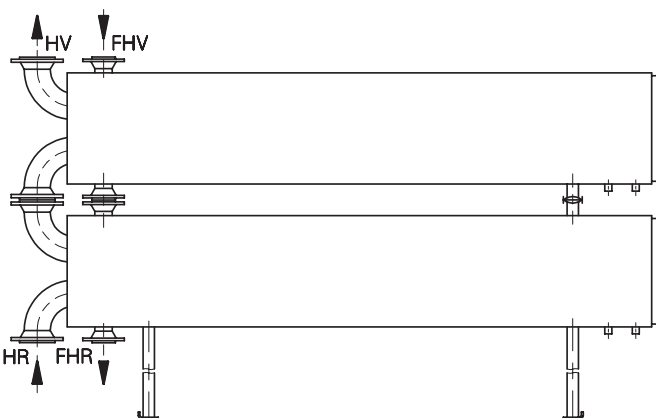
### Series connection of heat exchangers

With vertically installed heat exchangers, vent valves must be installed on site between the primary and secondary connections.



Ⓐ Vent valve

Series connection of horizontal heat exchangers on request.



### Legend

- FHR Primary return (district heating water)
- FHV Primary flow (district heating water)
- HR Secondary return (heating system water)
- HV Secondary flow (heating system water)

Subject to technical modifications.

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