

Technical Data

Part No. and prices: see Price List



Vitocell-V 300
without inspection port



Vitocell-V 300
with inspection port

File in:

Vitotec 1 Manual, Index 15
Vitotec 2 Manual, Index 25

Vitocell-V 300

Type EVA, EVI

Vertical domestic hot water cylinder
constructed from stainless steel



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

VITOCELL-V 300

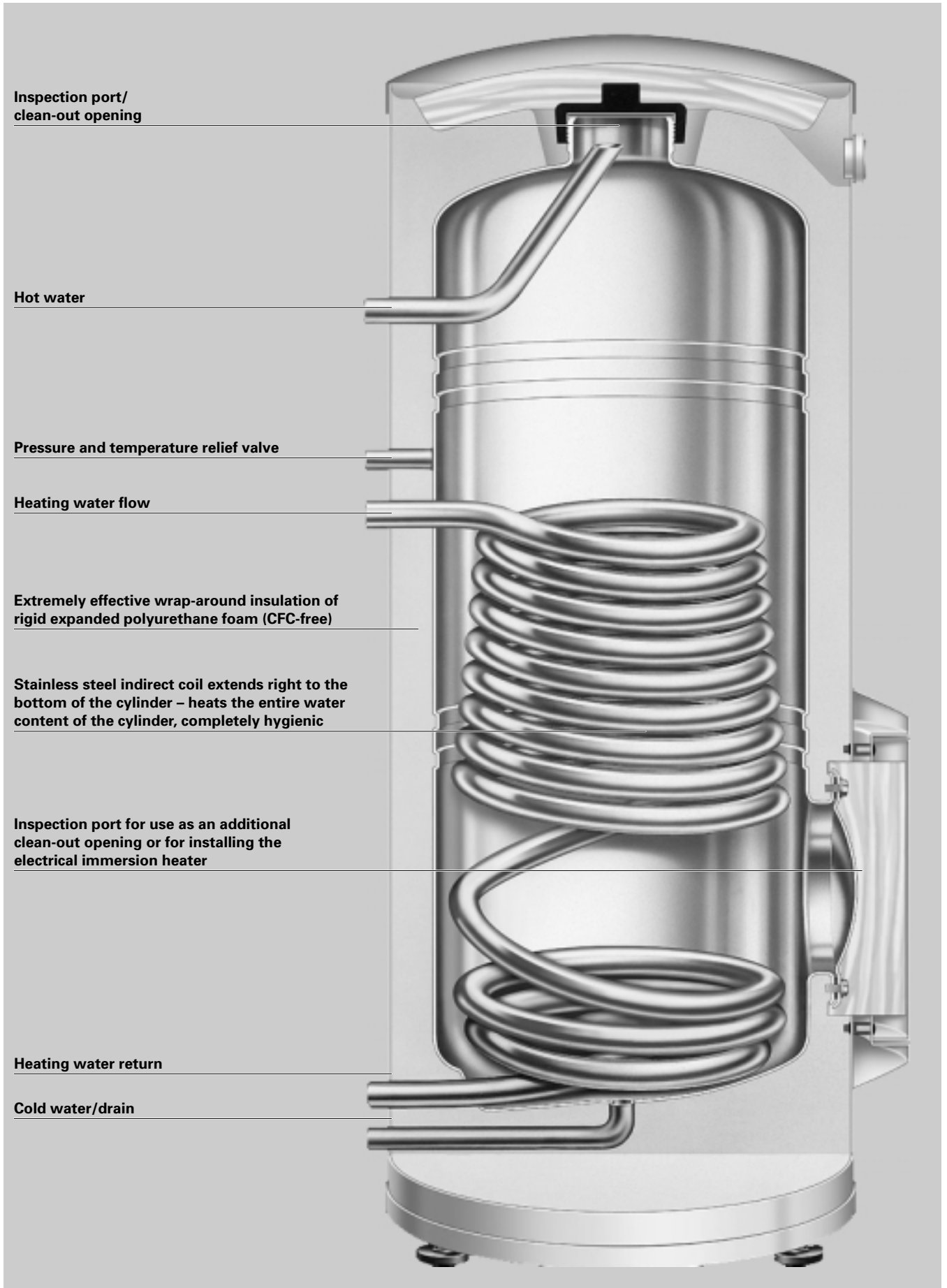
Hygienic, convenient and economic domestic hot water supply with DHW cylinders constructed from stainless steel – vertical version.

The benefits at a glance:

- Long service life thanks to corrosion-resistant hot water storage cylinders constructed from **high-grade stainless steel**.
- Completely hygienic through **high surface quality**.
- No sacrificial anode required for additional protection against corrosion; therefore no anode replacement costs.
- The entire water content is heated by **heat exchange surfaces which extend to the bottom of the cylinder**.
- **Extremely convenient domestic hot water supply** assured through fast, uniform heating by generously dimensioned heat exchange surfaces.
- Extremely effective wrap-around insulation (CFC-free) provides effective **protection against heat losses**.
- **Universally suitable** – for applications requiring larger quantities of hot water, several Vitocell-V 300 cylinders can be combined via headers to form cylinder batteries.



Vitocell-V 300 stainless steel domestic hot water cylinder with peripheral heating system – 130, 160 and 200 litres



Vitocell-V 300 (Type EVA), with peripheral heating system, 130 to 200 litres capacity

Technical data

DIN Reg. No. 0166/99 10 MC

For domestic hot water applications in conjunction with boilers

Suitable for heating systems with

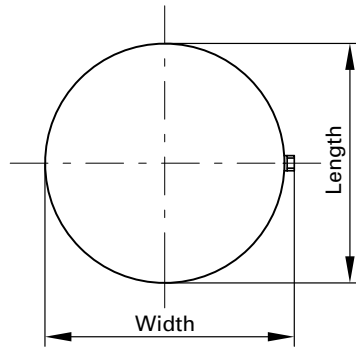
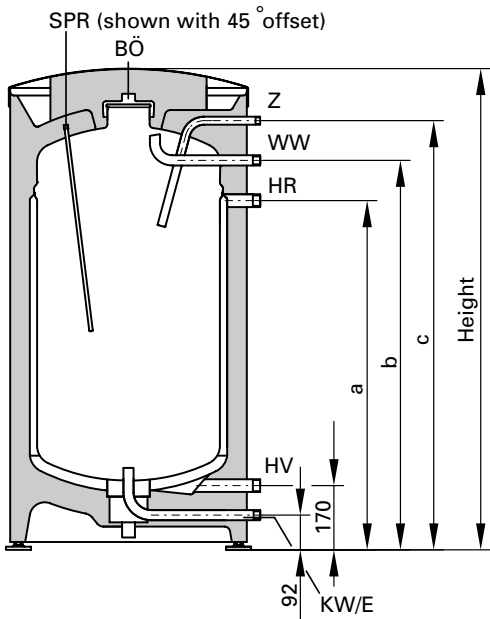
- heating water flow temperatures up to **110 °C**
- working pressure on **primary water side** up to **3 bar**
- working pressure on **secondary water side** up to **10 bar**

Storage capacity	ltr		130	160	200
Recovery capability *1 with a temperature rise of the domestic hot water from 10 to 45 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C	kW	37	40	62
		ltr/h	909	982	1523
	80 °C	kW	30	32	49
		ltr/h	737	786	1024
	70 °C	kW	22	24	38
ltr/h		540	589	933	
60 °C	kW	13	15	25	
	ltr/h	319	368	614	
50 °C	kW	9	10	12	
	ltr/h	221	245	294	
Recovery capability *1 with a temperature rise of the domestic hot water from 10 to 60 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C	kW	32	36	57
		ltr/h	550	619	980
	80 °C	kW	25	28	43
ltr/h		430	481	739	
70 °C	kW	16	19	25	
	ltr/h	275	326	430	
Heating water flow rate for the recovery capabilities stated	m ³ /h		3.0	3.0	3.0
Standby energy loss *2	kWh/24 h		1.25	1.34	1.54
Dimensions					
Length (dia.)	mm		633	633	633
Width	mm		671	671	671
Height	mm		1163	1273	1493
Height with cylinder tilted	mm		1262	1358	1556
Weight Cylinder with insulation	kg		77	84	98
Heating water content	ltr		25	28	35
Heat exchange surface area	m ²		1.1	1.3	1.6
Connections					
Heating water flow and return	Ø" (male thread)		1	1	1
Cold water, hot water	Ø" (male thread)		¾	¾	¾
Pressure and temperature relief valve	Ø" (male thread)		½	½	½

*1For details of the recovery capability with other heating water flow rates, please refer to the Technical Guide for the Vitocell. When planning for the recovery capability as stated or calculated, allow for the corresponding circulation pump. The stated recovery capability is only achieved when the rated output of the boiler is equal to or greater than the recovery capability.

*2Measured values to DIN 4753-8. The values are based on a room temperature of +20 °C and a domestic hot water temperature of 65 °C and can vary by 5%.

Vitocell-V 300 (Type EVA), with peripheral heating system



Dimensions

Storage capacity	litres	130	160	200
a	mm	813	923	1143
b	mm	920	1030	1250
c	mm	1025	1135	1355

Legend

- BÖ Inspection and clean-out opening
- E Drain
- HR Heating water return
- HV Heating water flow
- KW Cold water
- SPR Sensor well for cylinder temperature sensor or temperature regulator
- WW Hot water
- Z Pressure and temperature relief valve

Performance factor N_L

to DIN 4708

Cylinder storage temperature ^{*1} =
cold water inlet temperature + 50 K ^{+5K}_{-0K}

Capacity per cylinder	litr	130	160	200
Heating water flow temperature	Performance factor N_L^{*1}			
	90 °C	2.4	3.3	6.8
	80 °C	1.9	2.9	5.2
	70 °C	1.4	2.0	3.2

Short-time recovery capability (10 minutes)

Based on performance factor N_L
Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	litr	130	160	200
Heating water flow temperature	Short-time recovery capability (litr/10 min)			
	90 °C	207	240	340
	80 °C	186	226	298
	70 °C	164	190	236

Max. domestic hot water drawing rate (over 10-minute period)

Based on performance factor N_L

With reheating

Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	litr	130	160	200
Heating water flow temperature	Max. drawing rate (litr/min)			
	90 °C	21	24	34
	80 °C	19	23	30
	70 °C	16	19	24

Domestic hot water drawing capability

Storage cylinder contents heated to 60 °C

Without reheating

Capacity per cylinder	litr	130	160	200
Domestic hot water drawing rate	litr/min	10	10	10
Domestic hot water drawing capability	litr	103	120	150
Water with $t = 60$ °C (constant)				

Heating time

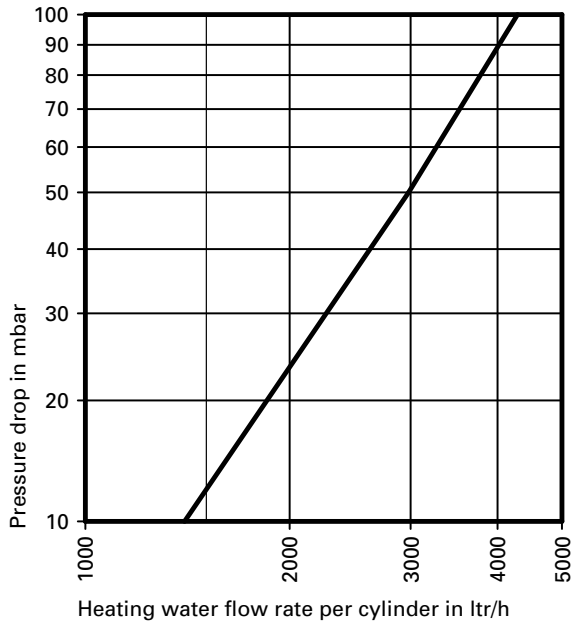
The stated heating times are achieved when the maximum recovery capability of the domestic hot water cylinder is made available at the respective flow temperature and with a domestic hot water rise from 10 to 60 °C.

Capacity per cylinder	litr	130	160	200
Heating water flow temperature	Heating time (minutes)			
	90 °C	15	15	12
	80 °C	19	19	16
	70 °C	29	29	24

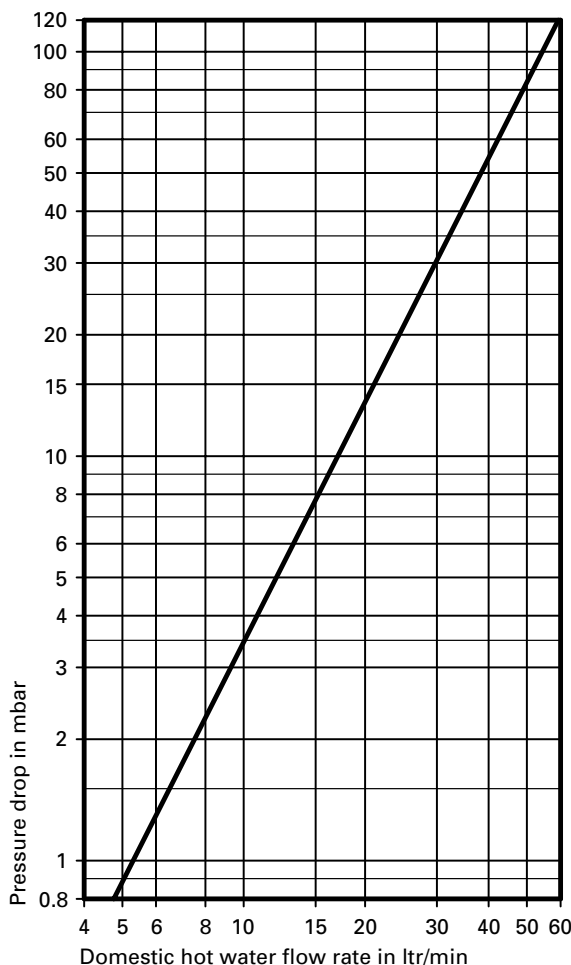
^{*1}The performance factor N_L varies according to the cylinder temperature T_{dhw} .

Guide values: $T_{dhw} = 60$ °C $\rightarrow 1.0 \times N_L$
 $T_{dhw} = 55$ °C $\rightarrow 0.75 \times N_L$
 $T_{dhw} = 50$ °C $\rightarrow 0.55 \times N_L$
 $T_{dhw} = 45$ °C $\rightarrow 0.3 \times N_L$.

Pressure drop on heating water side (primary circuit)



Pressure drop on domestic hot water side (secondary circuit)



Vitocell-V 300 (Type EVI), with single indirect coil, 200 to 500 litres capacity

Technical data

DIN Reg. No. 0071/96 10 MC/E

For domestic hot water applications in conjunction with boilers, district heating systems and modulating flow temperature heating systems, available with electrical immersion heater as an option

Suitable for heating systems with
 ■ heating water flow temperatures up to **200 °C**
 ■ working pressure on **primary water side** up to **25 bar** or a **steam pressure** of **1 bar**
 ■ working pressure on **secondary water side** up to **10 bar**

Storage capacity	ltr	200	350	500
Recovery capability *1 with a temperature rise of the domestic hot water from 10 to 45 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C kW ltr/h	77 1892	93 2285	96 2358
	80 °C kW ltr/h	60 1474	73 1793	73 1793
	70 °C kW ltr/h	46 1130	53 1302	56 1376
	60 °C kW ltr/h	31 762	33 811	37 909
	50 °C kW ltr/h	13 319	22 540	18 442
Recovery capability *1 with a temperature rise of the domestic hot water from 10 to 60 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C kW ltr/h	67 1152	82 1410	81 1393
	80 °C kW ltr/h	50 860	60 1032	62 1066
	70 °C kW ltr/h	31 533	38 653	43 739
Heating water flow rate for the recovery capabilities stated	m ³ /h	5.0	5.0	6.5
Recovery capability with a temperature rise of the domestic hot water from 10 to 45 °C , a steam pressure of and a max. steam velocity of 50 m/s	0.5 bar kW ltr/h	on request		
	1.0 bar kW ltr/h	on request		
Max. heat pump capacity to be connected at 50 °C heating water return and 45 °C hot water temperature and a heating water flow rate of	kW	—	10	11
	ltr/h	—	1000	1000
Standby energy loss *2 – with inspection port – without inspection port	kWh/24 h	1.5	2.7	2.7
	kWh/24 h	—	2.0	2.4
Dimensions with insulation *3 Length (∅) – with inspection port – without inspection port Width – with inspection port*4 – without inspection port*4 Height – with inspection port – without inspection port Height of cylinder tilted – with insulation – without insulation	mm	601	776	938
	mm	—	671	812
	mm	691	882	1049
	mm	—	704	849
	mm	1474	1908	1755
	mm	—	1903	1737
	mm	1529	1944	1820
	mm	—	1855	1710
Weight Cylinder with insulation – with inspection port – without inspection port	kg	83	129	153
	kg	—	110	129
	kg	—	—	—
Heating water content	ltr	11.9	14.0	15.0
Heat exchange surface area	m ²	1.5	1.7	1.8
Connections Heating water flow and return Cold water, hot water Pressure and temperature relief valve	∅" (male thread)	1	1½	1½
	∅" (male thread)	¾	1½	1½
	∅" (male thread)	1	1½	1½
	∅" (male thread)	1	1½	1½

*1 For details of the recovery capability with other heating water flow rates, please refer to the Technical Guide for the Vitocell. When planning for the recovery capability as stated or calculated, allow for the corresponding circulation pump. The stated recovery capability is only achieved when the rated output of the boiler is equal to or greater than the recovery capability.

*2 Measured values to DIN 4753-8. The values are based on a room temperature of +20 °C and a domestic hot water temperature of 65 °C and can vary by 5%.

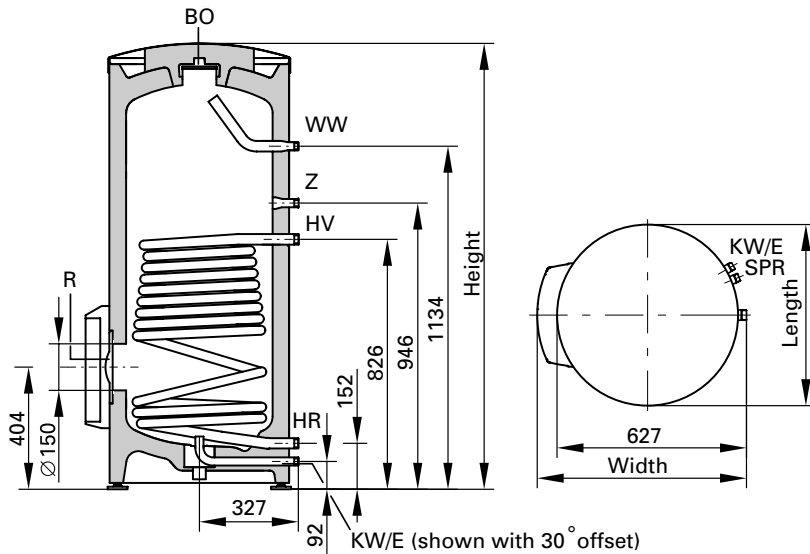
*3 See Fig. and table on page 9 for dimensions without insulation.

*4 For steam applications, these dimensions differ due to the steam control valves to be provided additionally as part of the installation work.

▶ See separate data sheets for technical data on Viessmann modular system components.

Vitocell-V 300 (Type EVI), with single indirect coil

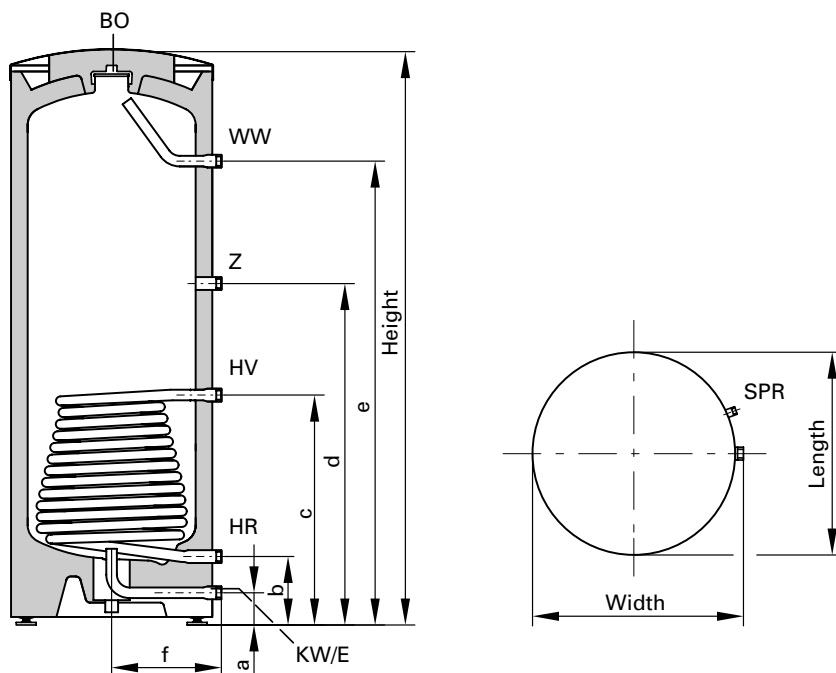
Vitocell-V 300, with 200 litres capacity with inspection port and rigid expanded polyurethane foam insulation



Legend

- BÖ Inspection and clean-out opening
- E Drain
- HR Heating water return
- HV Heating water flow
- KW Cold water
- R Inspection port for use as additional clean-out opening or for installing an electrical immersion heater
- SPR 1" dia. connection with coupling reducing to ½ dia. for cylinder temperature sensor or temperature regulator (at same height as HV connection)
- WW Hot water
- Z Pressure and temperature relief valve

Vitocell-V 300, with 350 and 500 litres capacity without inspection port and rigid expanded polyurethane foam insulation



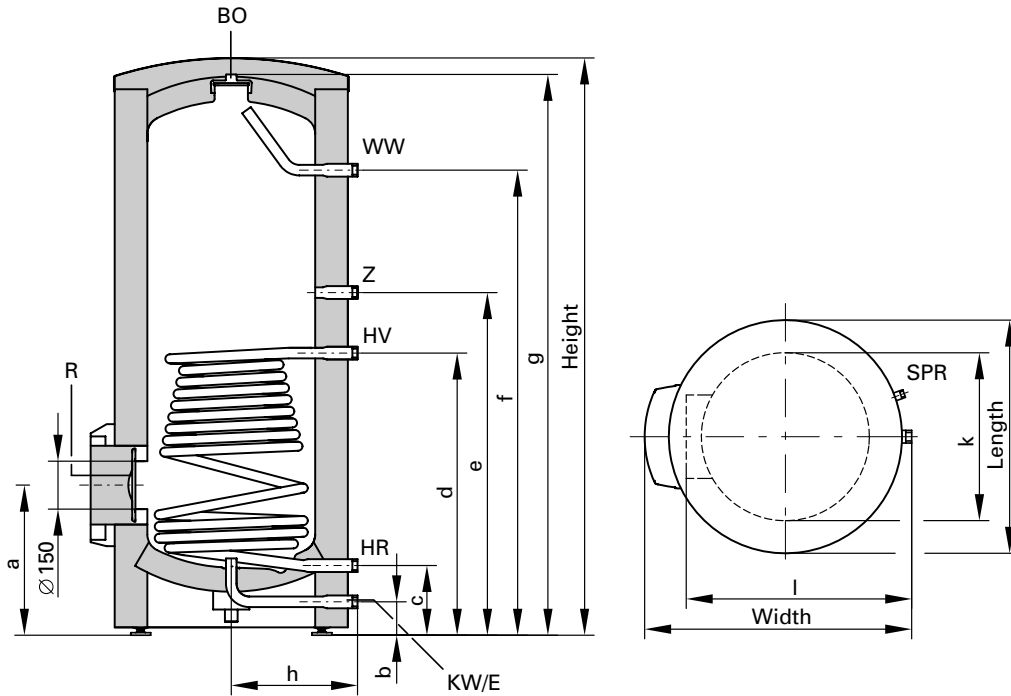
Dimensions

Cylinder capacity	ltr	350	500
a	mm	106	107
b	mm	226	227
c	mm	760	706
d	mm	1129	1032
e	mm	1533	1182
f	mm	363	438

Legend

- BÖ Inspection and clean-out opening
- E Drain
- HR Heating water return
- HV Heating water flow
- KW Cold water
- SPR 1" dia. connection with coupling reducing to ½ dia. for cylinder temperature sensor or temperature regulator (at same height as HV connection)
- WW Hot water
- Z Pressure and temperature relief valve

**Vitocell-V 300, with 350 and 500 litres capacity
with inspection port and mineral fibre insulation**



Dimensions

Cylinder capacity	litres	350	500
a	mm	496	570
b	mm	110	111
c	mm	230	231
d	mm	933	886
e	mm	1133	1036
f	mm	1537	1186
g*1	mm	1854	1688
h	mm	418	498
k*1	mm	555	715
l*1	mm	755	915

*1 Without insulation.

Legend

- BO Inspection and clean-out opening
- E Drain
- HR Heating water return
- HV Heating water flow
- KW Cold water
- R Inspection port for use as additional clean-out opening or for installing an electrical immersion heater
- SPR 1" dia. connection with coupling reducing to 1/2" dia. for cylinder temperature sensor or temperature regulator (at same height as HV connection)
- WW Hot water
- Z Pressure and temperature relief valve

Vitocell-V 300 (Type EVI), with single indirect coil

Performance factor N_L to DIN 4708

Cylinder storage temperature^{*1} = cold water inlet temperature + 50 K $\begin{matrix} +5\text{K} \\ -0\text{K} \end{matrix}$

Capacity per cylinder	ltr	200	350		500	
Inspection port		with	without	with	without	with
Heating water flow temperature		Performance factor N_L ^{*1}				
90 °C		6.8	18.0	13.0	23.0	21.5
80 °C		6.0	16.0	12.5	23.0	21.5
70 °C		3.1	14.0	11.0	18.5	18.0

Short-time recovery capability (10 minutes)

Based on performance factor N_L

Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	ltr	200	350		500	
Inspection port		with	without	with	without	with
Heating water flow temperature		Short-time recovery capability (ltr/10 min)				
90 °C		340	565	475	655	627
80 °C		319	530	466	655	627
70 °C		233	495	435	575	566

Max. domestic hot water drawing rate (over 10-minute period)

Based on performance factor N_L

With reheating

Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	ltr	200	350		500	
Inspection port		with	without	with	without	with
Heating water flow temperature		Max. drawing rate (ltr/min)				
90 °C		34	57	48	66	63
80 °C		32	53	47	66	63
70 °C		23	50	44	58	57

Domestic hot water drawing capability

Storage cylinder contents heated to 60 °C

Without reheating

Capacity per cylinder	ltr	200	350		500	
Inspection port		with	without	with	without	with
Domestic hot water drawing rate	ltr/min	10	15	15	15	15
Domestic hot water drawing capability	ltr	139	325	325	460	460
Water with $t = 60^\circ\text{C}$ (constant)						

Heating time

The stated heating times are achieved when the maximum recovery capability of the domestic hot water cylinder is made available at the respective flow temperature and with a domestic hot water rise from 10 to 60 °C.

Capacity per cylinder	ltr	200	350		500	
Inspection port		with	without	with	without	with
Heating water flow temperature		Heating time (minutes)				
90 °C		10	17	17	20	20
80 °C		13	21	21	24	24
70 °C		21	30	30	35	35

^{*1}The performance factor N_L varies according to the cylinder temperature T_{dhw} .

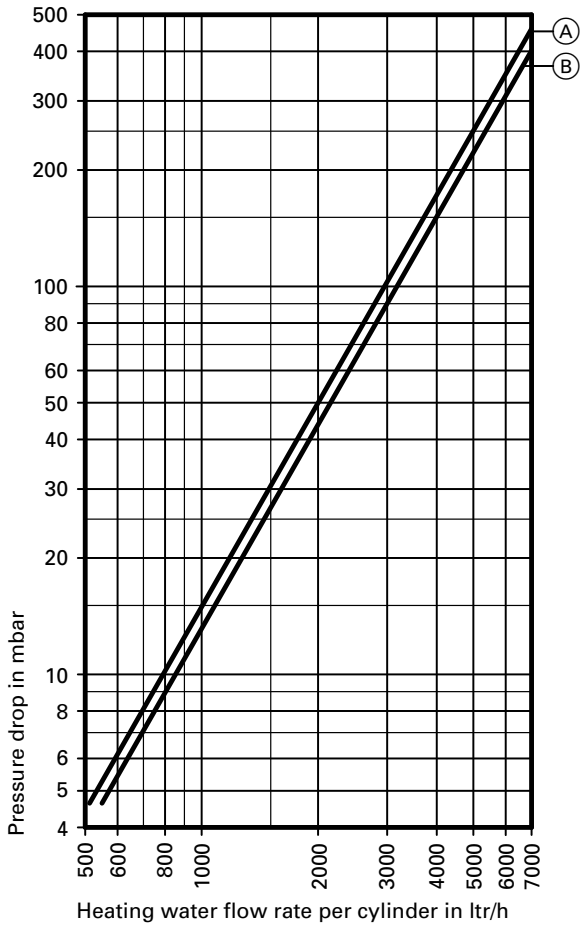
Guide values: $T_{dhw} = 60^\circ\text{C} \rightarrow 1.0 \times N_L$

$T_{dhw} = 55^\circ\text{C} \rightarrow 0.75 \times N_L$

$T_{dhw} = 50^\circ\text{C} \rightarrow 0.55 \times N_L$

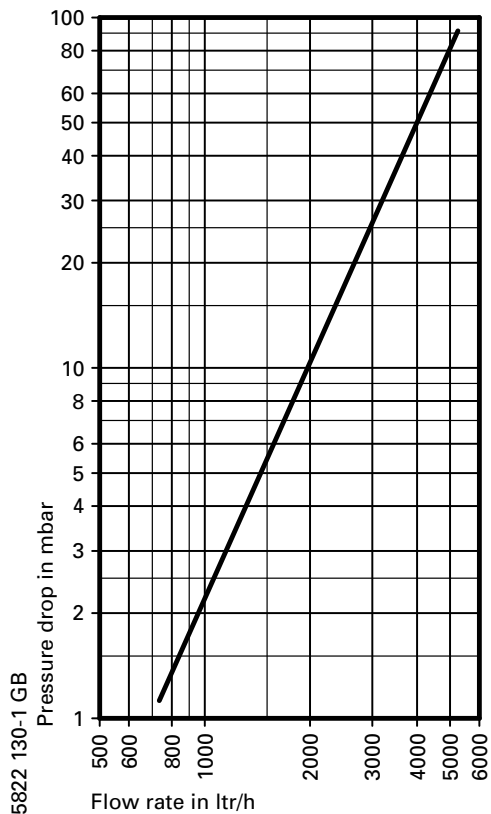
$T_{dhw} = 45^\circ\text{C} \rightarrow 0.3 \times N_L$

Pressure drop on heating water side (primary circuit)



- Ⓐ 350 and 500 litres capacity
- Ⓑ 200 litres capacity

Pressure drop on domestic hot water side (secondary circuit)



5822 130-1 GB

Vitocell-V 300 (Type EVI), with 350 and 500 litres capacity, as a cylinder battery

Technical data

The domestic hot water cylinders with capacities of 350 and 500 litres can be combined into batteries of up to 2 or 4 cylinders. Headers for the heating water and domestic hot water side are available ex works and must be ordered separately. Batteries consisting of more than 4 cylinders are possible by combining several sub-batteries of up to 4 cylinders each. The connection of these cylinder batteries on the heating water and domestic hot water side forms part of the installation work for which the customer is responsible.

Storage capacity per cylinder		ltr	350	500	500	2000
Total capacity of cylinder battery		ltr	700	1000	1500	2000
Number of cylinders			2	2	3	4
Layout			●●	●●	●●●	●●●●
Recovery capability*1 with a temperature rise of the domestic hot water from 10 to 45 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C	kW ltr/h	186 4569	192 4717	288 7075	384 9434
	80 °C	kW ltr/h	146 3587	146 3587	219 5380	292 7174
	70 °C	kW ltr/h	106 2604	112 2752	168 4127	224 5503
	60 °C	kW ltr/h	66 1621	74 1818	111 2727	148 3636
	50 °C	kW ltr/h	44 1081	36 884	54 1327	72 1769
Recovery capability with a temperature rise of the domestic hot water from 10 to 60 °C and heating water flow temperature of at the heating water flow rate stated below	90 °C	kW ltr/h	164 2820	162 2786	243 4179	324 5572
	80 °C	kW ltr/h	120 2064	124 2132	186 3199	248 4265
	70 °C	kW ltr/h	76 1307	86 1479	129 2218	172 2958
Heating water flow rate for the recovery capabilities stated		m ³ /h	10	13	19.5	26
Recovery capability with a temperature rise of the domestic hot water from 10 to 45 °C , a steam pressure on request of and a max. steam velocity of 50 m/s	0.5 bar	kW ltr/h	on request			
	1.0 bar	kW ltr/h	on request			
Max. heat pump capacity to be connected at 50°C heating water return and 45 °C hot water temperature and a heating water flow rate of	kW	20	22	33	44	
	ltr/h	2000	2000	3000	4000	
Standby energy loss – with inspection port*2 – without inspection port*2	kWh/24 h	5.4	5.4	8.1	10.8	
	kWh/24 h	4.0	4.6	6.9	9.2	
Dimensions with insulation						
Length (∅)						
– with inspection port	mm	1606	1926	2914	3902	
– without inspection port	mm	1498	1800	2788	3776	
Width						
– with inspection port*3	mm	1188	1354	1354	1374	
– without inspection port*3	mm	1003	1148	1148	1167	
Height						
– with inspection port	mm	1908	1755	1755	1755	
– without inspection port	mm	1903	1737	1737	1737	
Weight						
Cylinder with insulation and headers						
– with inspection port	kg	308	345	519	715	
– without inspection port	kg	270	297	447	619	
Heating water content including headers		ltr	33	37	58	89
Heat exchange surface area		m ²	3.4	3.6	5.4	7.2
Connections						
Heating water flow and return		DN	50	50	50	65
Cold water, hot water		∅" (male thread)	1½	1½	1½	2
Pressure and temperature relief valve		∅" (male thread)	1½	1½	1½	1½

*1When planning for the recovery capability as stated or calculated, allow for the corresponding circulation pump. The stated recovery capability is only achieved when the rated output of the boiler is equal to or greater than the recovery capability.

*2Measured values to DIN 4753-8. The values are based on a room temperature of + 20 °C and a domestic hot water temperature of 65 °C and can vary by 5 %.

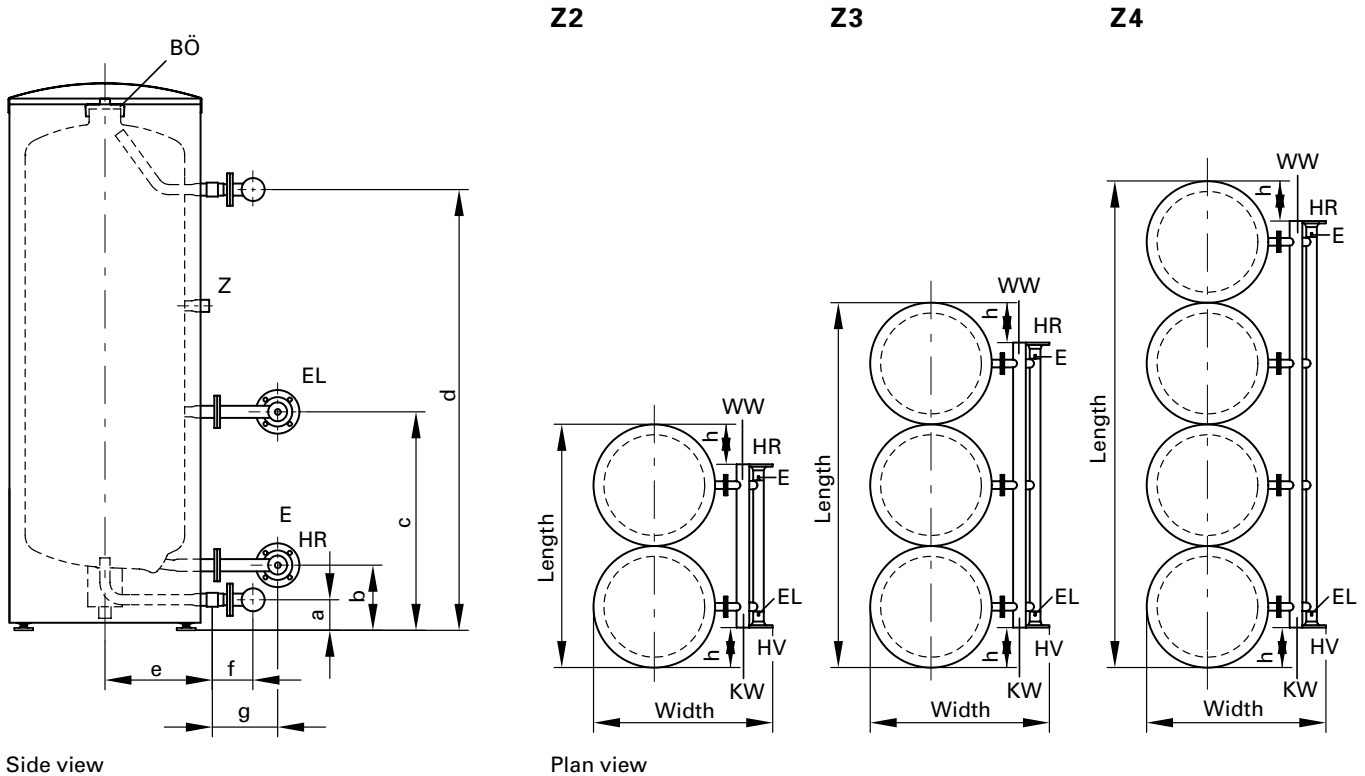
*3For steam applications, these dimensions differ due to the steam control valves to be provided additionally as part of the installation work.

Vitocell-V 300 (Type EVI), with 350 and 500 litres capacity, as a cylinder battery

For domestic hot water applications in conjunction with boilers, district heating systems and modulating flow temperature heating systems, available with electrical immersion heater as an option

Suitable for heating systems with

- heating water flow temperatures up to **120 °C** | **160 °C** | **180 °C** with working pressure on **primary water side** up to **18 bar** | **16 bar** | **15 bar** or **steam pressure of 1 bar**
- working pressure on **secondary water side** up to **10 bar**



Legend

- BÖ Inspection and clean-out opening
- E Drain (1/2 dia. female thread)
- EL Vent connection (1/2 dia. female thread)
- HR Heating water return
- HV Heating water flow
- KW Cold water
- WW Hot water
- Z Pressure and temperature relief valve

Dimensions

Capacity per cylinder	ltr	350			500					
		without	with		without		with			
Inspection port										
Total capacity of cylinder battery	ltr	700	700	1000	1500	2000	1000	1500	2000	
Number of cylinders		2	2	2	3	4	2	3	4	
a	mm	106	110	107	107	107	111	111	111	
b	mm	226	230	227	227	227	231	231	231	
c	mm	760	933	706	706	706	886	886	886	
d	mm	1533	1537	1182	1182	1182	1186	1186	1186	
e	mm	363	418	438	438	438	498	498	498	
f	mm	130	130	130	135	139	130	135	139	
g ^{*1}	mm	217	217	217	217	226	217	217	226	
h	mm	225	279	296	296	296	359	359	359	

^{*1}For steam applications, these dimensions differ due to the steam control valves to be provided additionally as part of the installation work.

Vitocell-V 300 (Type EVI), with 350 and 500 litres capacity, as a cylinder battery

Performance factor N_L to DIN 4708

Cylinder storage temperature $^{*1} = \text{cold water inlet temperature} + 50 \text{ K } \begin{matrix} +5 \text{ K} \\ -0 \text{ K} \end{matrix}$

Capacity per cylinder	ltr	350			500				
Inspection port		without	with	without			with		
Total capacity of cylinder battery	ltr	700	700	1000	1500	2000	1000	1500	2000
Number of cylinders		2	2	2	3	4	2	3	4
Heating water flow temperature		Performance factor N_L^{*1}							
90 °C		49	37	62	98	130	58	92	123
80 °C		44	36	62	98	130	58	92	123
70 °C		39	32	50	82	110	50	78	105

Short-time recovery capability (10 minutes)

Based on performance factor N_L

Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	ltr	350			500				
Inspection port		without	with	without			with		
Total capacity of cylinder battery	ltr	700	700	1000	1500	2000	1000	1500	2000
Number of cylinders		2	2	2	3	4	2	3	4
Heating water flow temperature		Short-time recovery capability (ltr/10 min)							
90 °C		1015	854	1175	1580	1900	1125	1525	1825
80 °C		950	841	1175	1580	1900	1125	1525	1825
70 °C		880	785	1025	1400	1700	1020	1375	1650

Max. domestic hot water drawing rate (over 10-minute period)

Based on performance factor N_L

With reheating

Domestic hot water rise from 10 to 45 °C

Capacity per cylinder	ltr	350			500				
Inspection port		without	with	without			with		
Total capacity of cylinder battery	ltr	700	700	1000	1500	2000	1000	1500	2000
Number of cylinders		2	2	2	3	4	2	3	4
Heating water flow temperature		Max. drawing rate (ltr/min)							
90 °C		102	85	118	158	190	113	153	183
80 °C		95	84	118	158	190	113	153	183
70 °C		88	79	103	140	170	102	138	165

Domestic hot water drawing capability

Storage cylinder contents heated to 60 °C

Without reheating

Capacity per cylinder	ltr	350			500				
Inspection port		without	with	without			with		
Total capacity of cylinder battery	ltr	700	700	1000	1500	2000	1000	1500	2000
Number of cylinders		2	2	2	3	4	2	3	4
Domestic hot water drawing rate	ltr/min	30	30	30	45	60	30	45	60
Domestic hot water drawing capability	ltr	650	650	920	1380	1840	920	1380	1840
Water with $t = 60 \text{ °C}$ (constant)									

*1 The performance factor N_L varies according to the cylinder temperature T_{dhw} .

Guide values: $T_{dhw} = 60 \text{ °C} \rightarrow 1.0 \times N_L$

$T_{dhw} = 55 \text{ °C} \rightarrow 0.75 \times N_L$

$T_{dhw} = 50 \text{ °C} \rightarrow 0.55 \times N_L$

$T_{dhw} = 45 \text{ °C} \rightarrow 0.3 \times N_L$.

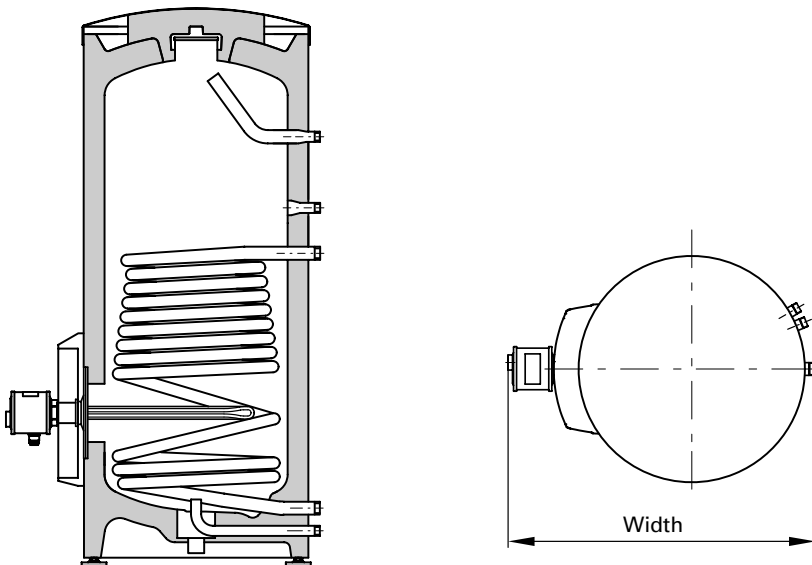
**EHO electrical immersion heater (accessory)
for installation in the Vitocell-V 300 (Type EVI) with inspection port**

Only suitable for use with soft to medium-hard drinking water up to 14 °dH (grade 2 hardness)

Current type and rated voltage 3/N/400 V/50 Hz				Degree of protection: IP 43		
Rated consumption, normal/rapid heating	kW		2	4	6	
Rated current	A		8.7	8.7	8.7	
Heat-up time from 10 to 60 °C	200 ltr	h	4.9	2.4	1.65	
	350 ltr	h	8.7	4.3	2.90	
	500 ltr	h	11.4	5.7	3.80	

Vitocell-V 300 (Type EVI)

Cylinder capacity	ltr		200	350	500
Volume heatable with immersion heater	ltr		167	298	390
Dimensions					
Width including electrical immersion heater	mm		824	960	1120
Weight					
Vitocell-V 300	kg		83	129	153
EHO electrical immersion heater	kg		5	5	5
Total weight when in operation	kg		288	484	658



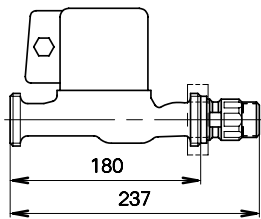
Circulation pump for heating the cylinder

Standard delivery of the Vitocell-V 300

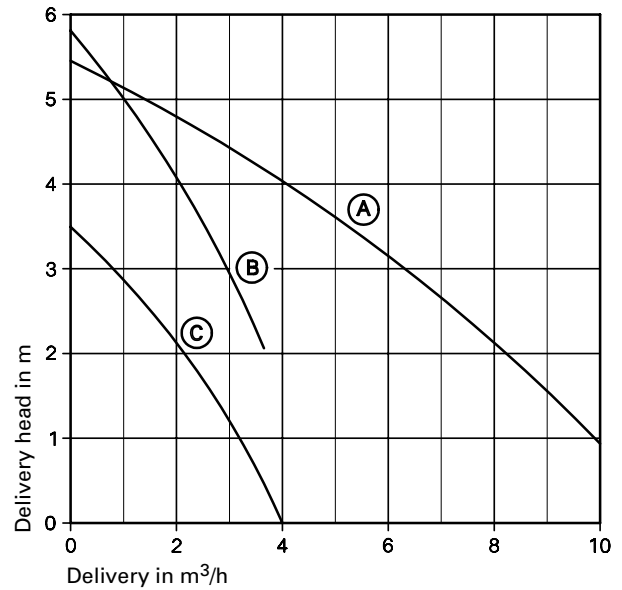
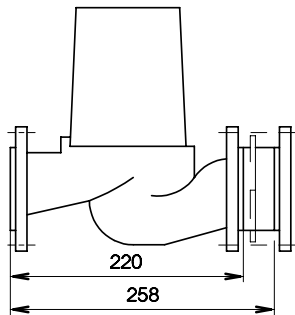
Circulation pump for heating the cylinder

Part No.	7339 467	7339 468	7339 469
Pump type	UP 25-40	VIRS 30/6-1	VIS 40/80
Voltage	230	230	230
Rated current	0.3	0.63	0.9
Capacitor	2.5	3.6	4
Power consumption	55-65	110-140	127-176
Connection	Ø" (fem. thread)	1 1/4"	40
DN	—	—	—
Connecting cable	4.7	4.7	4.7

Part No. 7339 467
Part No. 7339 468



Part No. 7339 469



- Ⓐ Part No. 7339 469
- Ⓑ Part No. 7339 468
- Ⓒ Part No. 7339 467

Standard delivery

Vitocell-V 300, Type EVA, with peripheral heating system, 130 to 200 litres capacity

Domestic hot water cylinder constructed from high-alloy stainless steel on the domestic hot water side, with fitted insulation comprising rigid expanded polyurethane foam with

- sensor well welded in for cylinder temperature sensor or temperature regulator
- built-in thermometer and
- adjustable feet screwed in.

Epoxy resin coated sheet steel casing in a vito-silver finish.

DHW cylinders with 160 and 200 litres capacity also available in a white finish.

Vitocell-V 300, Type EVI, with single indirect coil, 200 litres capacity, with inspection port and Vitocell-V 300, Type EVI, with single indirect coil, 350 and 500 litres capacity, without inspection port

Domestic hot water cylinder constructed from high-alloy stainless steel, with fitted insulation comprising rigid expanded polyurethane foam with

- coupling for cylinder temperature sensor or temperature regulator
- built-in thermometer and
- adjustable feet screwed in.

The following are packed separately and attached to the crate:

- Ø1" x 1/2" reducing coupling
- sensor well and
- insulation for sensor well.

Epoxy resin coated sheet steel casing in a vito-silver finish.

Vitocell-V 300, Type EVI, with single indirect coil, 350 and 500 litres capacity, with inspection port

Domestic hot water cylinder constructed from high-alloy stainless steel, with separately packed mineral fibre insulation with

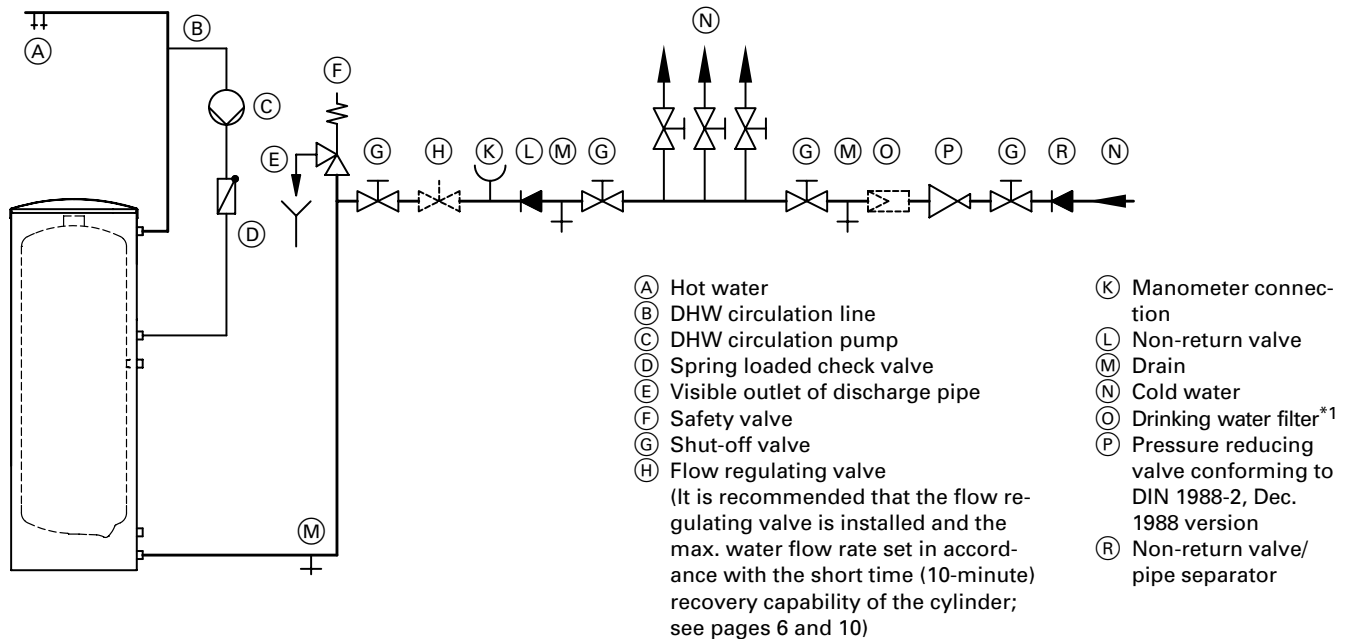
- coupling for cylinder temperature sensor or temperature regulator
- thermometer and
- adjustable feet screwed in.

The following are packed separately and attached to the crate:

- Ø1" x 1/2" reducing coupling
- sensor well and
- insulation for sensor well.

Epoxy resin coated sheet steel casing in a vito-silver finish.

Domestic hot water connections (connection to DIN 1988)



The safety valve must be installed.

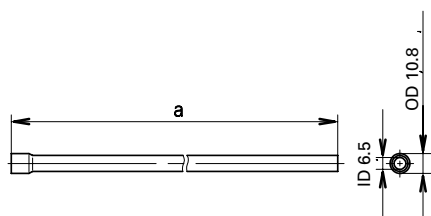
Recommendation: Install the safety valve above the top edge of the cylinder to protect it from dirt, limescale and high temperatures. Furthermore, the cylinder does not need to be drained before work can be carried out on the safety valve.

¹According to DIN 1988-2, a drinking water filter must be installed in systems with metal piping. We recommend that a drinking water filter should also be installed in systems with plastic piping to prevent dirt from being introduced into the domestic hot water system.

Sensor well

Vitocell-V 300, Type EVA, with peripheral heating system, 130 to 200 litres capacity

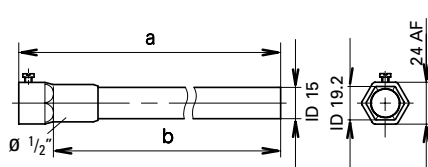
The sensor well is welded in the domestic hot water cylinder.



Cylinder capacity	ltr	130	160	200
a	mm	550	650	650

Vitocell-V 300, Type EVI, with single in-direct coil, 200 to 500 litres capacity

For maximum compatibility, the stainless steel sensor well provided should be used for the DHW cylinder control sensor. If the sensor well supplied is too large or too small for the sensor, another stainless steel sensor well (material no. 1.4571 or 1.4435) must be used.



Cylinder capacity	litres	200	350	500
a	mm	220	330	330
b	mm	200	310	310

Heating water flow/steam temperatures over 110 °C

According to DIN 4753, in these operating conditions an individually tested high limit safety cut-out limiting the temperature to 95 °C must be installed in the domestic hot water cylinder.

Warranty

Our warranty for domestic hot water cylinders states that the water heated should be of drinking water quality and that any water treatment equipment in use functions correctly.

Heat exchange surfaces

The corrosion-resistant, protected heat exchange surfaces (domestic hot water/ heat transfer medium) correspond to Type C in accordance with DIN 1988-2.

Technical guide

For further information on planning and system design considerations, please refer to the "Technical guide for central domestic hot water supply with Vitocell domestic hot water cylinders".

Electrical immersion heater

Screw-in immersion heaters of other makes must have an unheated length of at least 100 mm.

Subject to technical modifications!

Viessmann Werke GmbH & Co
D-35107 Allendorf
Tel: (06452) 70-0
Fax: (06452) 70-2780
Internet: www.viessmann.de

Viessmann Limited
Hortonwood 32
Telford, Shropshire TF1 4EU
Tel.: (01952) 670261
Fax: (01952) 670103

Printed on environmentally friendly,
chlorine-free bleached paper

5822 130-1 GB