



**MACOSER®**

**veit**  
**BRISAY**  
Kannegiesser

Pressing for Excellence

# VEIT Steam Generators



# Important facts about VEIT Steam Generators

When purchasing a steam generator, it is essential to keep an eye on the required boiler size (litres), the power (kW) and the pressure capacity. These criteria are decisive for the optimal compatibility of the steam generator and the application, e.g. when using Finishers. In addition this data classifies the category of the boiler.

## Certification of steam generators

Pay particular attention to the CE certification when comparing our units with competitor products.

For units in category I the CE mark without 4-digit number fulfills the requirements of the inspection authority.

For units in categories II, III and IV the CE mark with the 4-digit number of the testing authority must be visible.

If the 4-digit number for units in category II, III and IV is missing, the unit could be shut-down by the responsible authorities in Europe.

DGR 97/23 (PED 97/23 EC)			
	Steam generator size in bar x litres	Required classification	VEIT products
Category I	< 50	CE (without 4-digit TÜV numbers)	2331, 2365, 2366
Category II	50 – 200	CE with 4-digit TÜV-number, e.g. TÜV-Southern Germany CE 0036	2373
Category III	200 – 3000	CE plus with 4-digit TÜV numbers	2381
Category IV	> 3000	CE plus with 4-digit TÜV-numbers	Steam Generators

## Setup and installation in Germany:

- Category I and II: no approval by the authorities required
- Category III: Approval of installation required. Maintenance plan has to be submitted. (Except for VEIT 2381, which is delivered as a ready-to-use aggregate. For this machine, no approval is necessary, but the plan has to be submitted.)
- Category IV: Installation must be authorised and approved by the authorities in charge

## CE certification

With the CE certification VEIT certifies the conformity of the steam generator with the corresponding EU guidelines (DGR 97/23 EG; PED 97/23 EC).

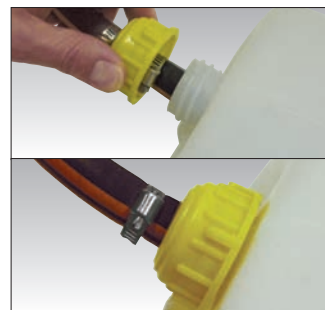


## Quality

All VEIT steam generators come with a stainless steel boiler, feedwater and blow-down piping made of stainless steel, because these pipes are particularly exposed to aggressive water residues and a high mechanical strain during the blow-down process.



This is why VEIT uses only high-quality, long-life materials to ensure trouble-free and safe operation for many years.



## Safety

High-pressure steam generators must be handled carefully to avoid injuries from improper use. VEIT steam generators are therefore equipped with a lot of safety features such as heat protection, protection against running dry and automatic turn-off when water supply is insufficient.

Blow-down of the steam generator is hazard-free: The blow-down valve is specifically protected against inadvertent opening. Furthermore the hose is secured within the blow-down tank and is thus prevented from slipping off.

**VEIT 2331**

- 2.2 kW – 230 V for 3.0 kg steam/h, solenoid valve for connecting the iron
- Inexpensive compact steam generator with long-life stainless steel boiler
- Ideal for use in tailor shops
- Steam generated from tap water
- Steam generator and heating of iron can be controlled separately
- Electronic water level indicator with acoustic signal
- For refilling, pressure can be released quickly through venting
- Includes safety blow-down tank



**Support module for VEIT 2331 (elevates by 250mm)**

The blow-down tank can be included into the support module to [save space](#).

**VEIT 2366**

- 2.2 kW – 230 V for 3.0 kg steam/h, solenoid valve for connecting the iron
- Compact steam generator with long-life stainless steel boiler
- Automatic water feed-in through built-in pump (for direct water connection or feedwater tank)
- Acoustical and optical water level indicator
- Safety features same as 2365
- No direct water connection necessary
- Includes safety blow-down tank



**Feedwater connection kit for VEIT 2366**

For using the VEIT 2366 steam generator without direct feedwater connection

**VEIT 2365**

- Electronic protection of the feedwater pump against running dry
- Electronic signal (optical and acoustic) in case of lack of water
- Very high security due to independent safety equipment: pressure control, safety valve, overheating protection and blow-down valve with safety latches to avoid accidental opening
- Available with 2.2 kW to connect one iron, or 4.4 kW or 6.6 kW to connect two irons
- Long-life stainless steel boiler



- Integrated 13-litre feedwater tank for long operating times
- Automatic filling through built-in pump
- Easy refilling of feedwater tank through access door
- Includes safety blow-down tank

**Float tank for VEIT 2365**

Directly connects the tap, instead of the standard feedwater tank. [No manual refilling necessary](#).

# VEIT Steam Generators and Water Treatment

## VEIT 2381 High-Pressure Steam Generator

40 kW / 400 V for 55 kg steam/h  
50 kW / 400 V for 68 kg steam/h  
60 kW / 400 V for 82 kg steam/h  
Connection for irons, finishers, up-steam tables and others.

- Optimized steam supply and **maximum operating safety** thanks to a 75-litre tank (50 l water and 25 l steam)
- **Easy installation, operation and maintenance** through clearly arranged operating panel
- Integrated stainless steel feedwater and blow-down tanks in tubular compact design → **low installation costs / increased safety**
- High temperature feedwater pump ensures high operating safety
- **High operating safety** ensured by electronic control of water level and a double protection against low water: no running dry of heating elements



- Large heating elements with low surface load **protect the heating rods and extend the life span**
- The **blow-down process** is carried out **safely** from the front of the steam generator
- The VEIT 2381 steam generator fulfills the requirements of the Pressure Equipment Directive (PED) category III. **In Germany, this steam generator can be installed without inspection and approval by the authorities.**  
→ **cost saving**

### Connection kit for tandem operation for steam generator VEIT 2381

For increased steam quantities, two steam stations can be placed on top of each other (tandem operation). This saves space and supplies up to 164 kg steam/h.

## VEIT 2373 High-Pressure Steam Generator

13,5 kW – 400 V for 18 kg steam/h  
18 kW – 400 V for 24 kg steam/h  
24,5 kW – 400 V for 33 kg steam/h  
30 kW – 400 V for 41 kg steam/h  
Connection for irons, finishers and other steam consumers

- **Compact design**
- Stainless steel feedwater tank
- The steam generator can be placed against a wall, as all energy supply connections are accessible from the side → **easy maintenance / saves space**
- Boiler volume 22 litres
- Safety plastic blow-down tank
- **For service, all functional components are easily accessible from the front**
- High-temperature feedwater pump ensures **high operating safety**



**For major steam requirements, please contact our department „Energy Systems“ for further information and support.**

Excellent water quality is an important requirement for steam production and steam distribution. It helps to save energy, reduces breakdowns and increases the working life of your units. For calcareous water (5°dH German water hardness or more) we recommend water treatment. To eliminate unfavourable substances like chlorine, iron, salts etc., we offer expert advice and will be pleased to submit an individual quotation.

**VEIT Lapidon Lime Binding Agent**

Lime in water calcifies the boiler and the heating elements, which might cause breakdowns. We therefore recommend the use of the binding agent VEIT Lapidon if the water hardness exceeds 5°dH (German hardness). The binding agent prevents deposits of lime. The lime will be removed from the boiler during blow-down.



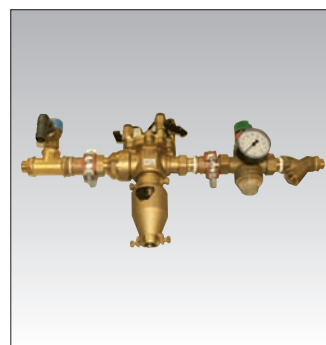
**VEIT 3307 Water softening unit SoftStar**

If the tap water has more than 5°dH (German hardness), the installation of the water softening unit Softstar VEIT 3307 is recommended for VEIT steam stations 2373 and 2381.

- Longer working life of steam generator
- Prevention of production disruptions
- Saves energy
- Automatic regeneration control permits autonomous operation

**The VEIT blending valve**

The softened water is blended with hard water to allow an economic operation of the water softening. The blending valve helps to adjust to 5°dH (German hardness).



**Backflow preventer**

The backflow preventer ensures that no softened water can flow back into the drinking water pipe system. The use of a backflow preventer is mandatory in the EU when a water softening unit is installed.

**Backwash filter**

This filter protects the system against the infiltration of soiling substances, thus ensuring smooth operation and a long lifespan of the water softening unit.



**The VEIT test set**

VEIT offers a test set to check and control the quality of the tap water. This helps to quantify the water quality easily, quickly and precisely.

# Technical Data

Model	Connections							
	Page	Steam	Water	Condensate	Waste Water	Exhaust Steam	Working Pressure	Voltage
		inch	inch	inch	inch	inch	bar (adjustable)	Volt / Hz / kW
VEIT 2331 Compact	3	3/8"	–	–	–	–	3	230/50 – 60/2,2
VEIT 2365 2,2 kW	3	3/8"	optional	–	–	–	3,5 – 4,0	230/50 – 60/2,2
VEIT 2365 4,4 kW	3	2 x 3/8"	optional	–	–	–	3,5 – 4,0	400/50 – 60/4,4
VEIT 2365 6,6 kW	3	2 x 3/8"	optional	–	–	–	3,5 – 4,0	400/50 – 60/6,6
VEIT 2366	3	3/4"	3/8"	–	–	–	3,5 – 4,0	230/50 – 60/2,2
VEIT 2373 13,5 kW	4	3/4"	1/2" hose clip	1/2"	1/2"	–	5	400/50/13,5
VEIT 2373 18 kW	4	3/4"	1/2" hose clip	1/2"	1/2"	–	5	400/50/18
VEIT 2373 24,5 kW	4	3/4"	1/2" hose clip	1/2"	1/2"	–	5	400/50/24,5
VEIT 2373 30 kW	4	3/4"	1/2" hose clip	1/2"	1/2"	–	5	400/50/30
VEIT 2381 40 kW	4	3/4"	3/8"	1/2"	3/4"	1 1/4"	6 (7)	400/50/40
VEIT 2381 50 kW	4	3/4"	3/8"	1/2"	3/4"	1 1/4"	6 (7)	400/50/50
VEIT 2381 60 kW	4	3/4"	3/8"	1/2"	3/4"	1 1/4"	6 (7)	400/50/60

Subject to alterations

\* other voltages on request

Model	Dimensions				
	B x T x H	Weight	Steam output	Steam user	Options
	mm (inches)	kg (lbs)	kg/h (lbs/h)		
VEIT 2331 Compact	253 (10) x 622 (24.5) x 420 (16.5)	32 (70.6)	3 (6.1)	1 iron	
VEIT 2365 2,2 kW	305 (12) x 502 (19.8) x 780 (30.7)	40 (88.2)	3 (6.1)	1 iron	
VEIT 2365 4,4 kW	305 (12) x 502 (19.8) x 780 (30.7)	40 (88.2)	6 (13.2)	2 irons	with solenoid valve and ball valve (e.g. for Detaset)
VEIT 2365 6,6 kW	305 (12) x 502 (19.8) x 780 (30.7)	40 (88.2)	9 (19.8)	2 irons	
VEIT 2366	230 (9.1) x 360 (14.7) x 695 (27.4)	19 (41.9)	3 (6.1)	1 iron	Can be fastened to Varioset and Varioline
VEIT 2373 13,5 kW	790 (31.1) x 620 (24.4) x 1210 (47.6)	121 (266.8)	18 (38.6)	Pants finisher / irons / small finisher	
VEIT 2373 18 kW	790 (31.1) x 620 (24.4) x 1210 (47.6)	121 (266.8)	24 (52.9)	Pants finisher / irons / small finisher	
VEIT 2373 24,5 kW	790 (31.1) x 620 (24.4) x 1210 (47.6)	121 (266.8)	33 (72.7)	Pants finisher / irons / finisher	
VEIT 2373 30 kW	790 (31.1) x 620 (24.4) x 1210 (47.6)	121 (266.8)	41 (90.3)	Pants finisher / irons / finisher	
VEIT 2381 40 kW	1080 (42.5) x 780 (30.7) x 970 (38.2)	340 (749.6)	55 (121.2)	Pants finisher / irons / finisher / Up-steam table / small pressing machines	Connection and elevation set
VEIT 2381 50 kW	1080 (42.5) x 780 (30.7) x 970 (38.2)	340 (749.6)	68 (149.9)	Pants finisher / irons / finisher / Up-steam table / small pressing machines	Connection and elevation set
VEIT 2381 60 kW	1080 (42.5) x 780 (30.7) x 970 (38.2)	340 (749.6)	82 (180.7)	Pants finisher / irons / finisher / Up-steam table / pressing machines	Connection and elevation set

## Pressing for Excellence – Why you can rely on the VEIT-Group

For over 50 years, our customer's requirements and challenges have been our driving force to press for excellence. For decades, world famous brands in the German and international garments industry have placed confidence in the innovative, high quality products and services offered by the VEIT-Group.



Our experts consult and partner with you in finding the best possible solution for your project needs, whether you require individual machines or a complete product line.

Prompt delivery and professional installation of our machines and systems go hand in hand with premium training, through which we equip your staff with the skills necessary to achieve the highest possible production.



### Worldwide 24-Hour Service Hotline

Our service technicians are always available, around the world and around the clock, maximizing continuous production.

We look forward to serving you!

#### Your local sales agent:

**VEIT GmbH**  
 Justus-von-Liebig-Str. 15  
 D-86899 Landsberg am Lech  
 Germany  
 Tel. +49 (8191) 479-0  
 Fax +49 (8191) 479-149  
 E-Mail: [info@veit.de](mailto:info@veit.de)  
[www.veit-group.com](http://www.veit-group.com)

**BRISAY-Maschinen GmbH**  
 Mittelweg 4  
 D-63762 Grossostheim-Ringheim  
 Germany  
 Tel. +49 (6026) 997-0  
 Fax +49 (6026) 997-100  
 E-Mail: [info@brisay.de](mailto:info@brisay.de)  
[www.brisay.com](http://www.brisay.com)

**VEIT Garment & Textile Technologies GmbH & Co. KG**  
 Valdorfer Str. 100  
 D-32602 Vlotho · Germany  
 Tel. +49 (5733) 87 13-0  
 Fax +49 (5733) 87 13-45  
 E-Mail: [info@veit-kannegiesser.de](mailto:info@veit-kannegiesser.de)  
[www.veit-kannegiesser.com](http://www.veit-kannegiesser.com)

