



## ADVANTAGES AT A GLANCE

- Simple & fast
- Robust & low-maintenance
- Versatile & flexible
- Individually configurable
- Energy-efficient

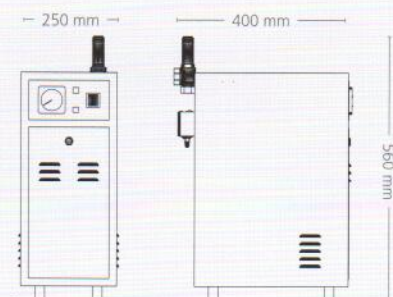
# MODEL 21.100 – 10 kW

## Flexible – economic – low-maintenance

The electrically-heated steam generator is characterised by its fully automatic, self-monitoring function and optimised efficiency. The electronically controlled water supply, the pressure and temperature monitoring and minimal emission losses enable cost effective operation. The unit is made from high-performance materials – therefore simultaneously robust, service-friendly and low-maintenance. Through its modular construction and wide range of accessories including remote control, individual customer requirements can be incorporated.

<b>Capacity</b>	Heating capacity: 3 – 10 kW
	Steam capacity: 4 – 13 kg steam/h
	Operating overpressure: max. 5,0 bar
	Steam temperature: max. 158 °C
<b>Body</b>	1-piece boiler body made of stainless steel 1.4571 Electrically welded acc. (Pressure Equipment Directive 97/23/EC)
	Housing made of stainless steel 1.4301 unpainted and ground (grain 240)
	Integrated, lockable control cabinet
<b>Electrics</b>	Switchboard wired acc. VDE regulations
	Connection voltage: 400 V 3, N, PE
	Heater made of stainless steel 2.4858 Electronically-regulated water level
<b>Safety</b>	Safety valve (TÜV-tested)
	Operating temperature limiter (EC prototype-tested DIN 3440)
	Pressure regulator (EC prototype-tested DIN 3440)
	Electronic low water indicator
<b>Operation</b>	Operating overpressure indicator
	Optical water level indicator (min./max.)
	Illuminated switch (ON/OFF)
<b>Other</b>	On request with console, mobile or stationary, piped and wired with other components

## Dimensions



Steam outlet:	½" BSPP female
Water inlet:	½" BSPP female
Draining:	½" BSPP female
Safety valve:	1" BSPP female
Weight:	Approx. 30 kg

(Technical modifications reserved)

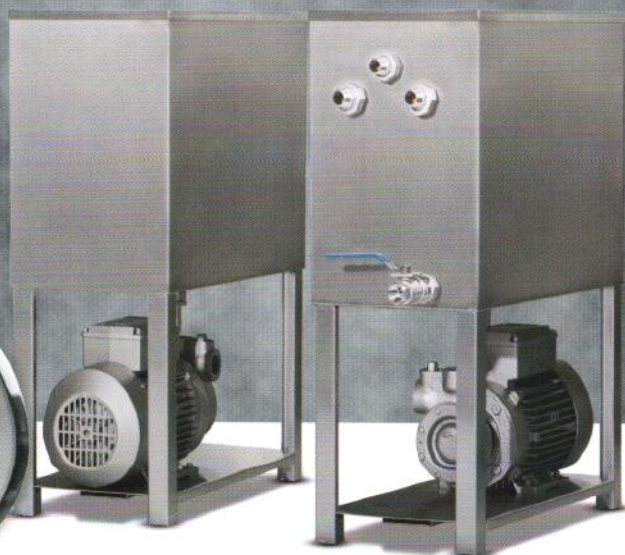


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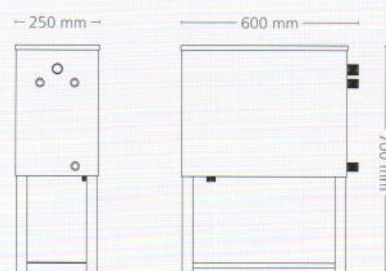
- Compact & robust
- Improved degree of effectivity
- Fault-free

# FEED WATER TANK 21.400.00

The tank is used for the storage of feed water and for condensate return. The unit includes a high-pressure pump which guarantees fault-free function of the steam generator whenever the water pressure is insufficient. The efficiency of the steam unit can be increased with the aid of an electrical feed water preheater.

<b>Power</b>	Pump pressure:	max. 10,0 bar
	Water temperature:	max. 80°C
	Nominal content:	50 l
	Water content:	30 l
<b>Tank</b>	Lid stainless steel 1.4301 ground (grain 240)	
	Electrically welded acc. DGRL (Pressure Equipment Directive 97/23/EC)	
	Housing stainless steel 1.4301, unpainted and ground (grain 240)	
<b>Fittings</b>	Brass, stainless steel on request	
<b>Pump</b>	Grey cast iron, stainless steel on request	
<b>Connection voltage</b>	400 V, 3, 50 hz	
<b>Filling</b>	Via mechanically controlled float valve	

## Dimensions



Water inlet:	1/2" BSPP male
Overflow:	1/2" BSPP male
Condensate return:	1/2" BSPP male
Draining:	1/2" BSPP female
Pump output side:	1/2" BSPP female
Weight:	Approx. 60 kg

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**ADVANTAGES AT A GLANCE**  
 Configure your optimal system  
 for your individual requirements –  
 also for the medical sector.

## FITTINGS AND EQUIPMENT

### Modular technology: premium-quality fittings and matching equipment

Be it stationary or mobile: our steam generators are available with premium-quality fittings and demand-actuated equipment. This allows many process-steps to be automated and adapted to the requirements on site. The modular construction makes it possible to integrate or add further components relevant for the process and its monitoring.

### Customized premium-quality fittings



#### Reed valves

Reed valves can be individually configured for almost all steam-applications.

- Pressure-range: 0 to 10 bar
- Controlled manually, remotely & motor-controlled
- Optimal material: stainless steel
- Optionally available for constant temperatures of 150°C



#### Solenoid valves

Solenoid valves for pilot control of drives or the controlling of steam and water.

- Pressure-range: 0 to 100 bar
- Direct control or pilot control
- Various sealants
- Optionally available as an ATEX variant



#### Ball valves

Manually operated or stainless steel ball valves with electronic actuators.

- Connections from threaded sockets to flanges
- Conic shaft-sealing made of PTFE
- O-ring fpm and V-ring
- Shaft-seal and sealing rings made of PTFE

### Equipment matching your system



Additionally, we offer various equipment enabling the generated steam to be used in a process-optimized and demand-oriented way. Upon request, we're happy to plan and design

- Tubes
- Fittings
- Fine mesh filters
- Steam distributor

your individual components and controls, for example on panels or in switchgear cabinets, piped, wired and checked; and we can also expand your system on site.

- Steam superheaters and dryers
- Steam pressure regulators
- Condensate separators
- Vacuum breakers