



## Technical Data Sheet Gen2T (Self-cooled) FoamControl

### Converter and Sonotrode

The Gen2 Transducer and sonotrode were developed to enable a world first in FoamControl technology, offering an ambient cooled unit that is easy to install and maintain. Made from lightweight aluminium coated with chemical resistant ALTEF® , high grade stainless steel and with a solid titanium sonotrode, the unit is CIP and IP67 rated.



The unit can be retro-fitted to most filling lines in less than 1 hour. The supplied easy mount bracket makes installation fast and efficient. The unit is suitable for CSD lines to 96,000 units per hour and beer can lines to 120,000.

The unit comes with a standalone stainless steel cabinet with Siemens touchscreen PLC or can be integrated into new systems in collaboration with your filler supplier.

Weight: Converter Sonotrode	7.2Kg 1.1Kg
Height	589.9mm
Diamither	100mm
Power	1.2Kw
Frequency	20 kHz
Operating Temperature	10-40 deg C
Relative humidity	20-80% (non condensing)
Protection class	IP 67
Construction Material	Aluminium coated in ALTEF. (ALTEF is a Teflon/aluminium ceramic interface utilised for maximum protection and heat transfer) 316 Stainless steel Titanium Alloy Ti-6Al-4V Silicon coated HF and temperature cables
HF Cable: Control Cable:	10m(max) twin axial 4x0.25mm screened
Construction Standards	EN ISO Standard – EN 60204-1 – Electrical equipment of machines EU Directive – 2014/35/EU – Low voltage directive

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### Generator and Power



Mains	13A (min) 180-260V 50-60 Hz (cos >0.95)
Generator output	Peak 1.2 kW Nominal 1 kW Continuous 0.75 kW
Frequency	20 kHz
Amplitude accuracy	Stabilised +/-3%
Amplitude adjustment	1-100% of peak amplitude Accuracy of +/- 3%
Power consumption Defoaming	40 – 100W at 100% Amplitude
Current	6.0A
Interface	Bus and touch plannel
Operating Tempure	Humidity 20%-80% (non-condensing) Temperature 10o- 40o Celsius The Generator will automatically shut down if the internal temperature reaches 60 degrees Celsius.
Installation Conditions	The BLE unit may only be installed at altitudes of up to 2000 m above sea level, in order for full protection to be maintained against electrical surges (in accordance with IEC 1010-1).
Construction Standards	EC Directive 2006/95/EC – low voltage directive EC Directive 2004/108/EC – Electromagnetic Compatibility DIN EN 60204-1:2006 – Safety of machinery – Electrical equipment of machines, part 1: General requirements EN 61000-6-2 – Immunity for industrial environments (EMC) Emission standard for industrial environments (EMC)

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