



CEMTEC®

System components:	CEMTEC probe with oven flap Local control box Coolant temp. control cabinet PLC cabinet Compressed air tank														
Dimensions and weight:	<table> <tr> <td>CEMTEC length</td> <td>5630 mm</td> </tr> <tr> <td>CEMTEC width</td> <td>1000 mm</td> </tr> <tr> <td>CEMTEC height</td> <td>1800 mm (e-chain downwards)</td> </tr> <tr> <td>CEMTEC height</td> <td>2500 mm (e-chain upwards)</td> </tr> <tr> <td>Probe tube diameter</td> <td>114,3 mm</td> </tr> <tr> <td>Probe insertion depth</td> <td>up to 3350 mm</td> </tr> <tr> <td>CEMTEC weight</td> <td>700kg</td> </tr> </table>	CEMTEC length	5630 mm	CEMTEC width	1000 mm	CEMTEC height	1800 mm (e-chain downwards)	CEMTEC height	2500 mm (e-chain upwards)	Probe tube diameter	114,3 mm	Probe insertion depth	up to 3350 mm	CEMTEC weight	700kg
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Probe material:	1.4571, 316 Ti (Other on request)														
Probe cooling method:	water / water or air / water														
Probe cooling – customer supply:	<p>For tube bundle re-cooler Cooling water supply by client Water: particles < 0,5mm, max. +30°C, min 3bar min. 3000 l/h</p> <p>For CEMTEC closed cooling circuit De-mineralized water + 25 % TYFOCOR® L (frost protection up to -20 °C) De-mineralized water + 50 % TYFOCOR® L (frost protection up to -30 °C)</p>														

Probe cooling capability:	Water / coolant cooling capacity 160 kW Air / coolant cooling capacity 170 kW
Compressed air supply:	8 - 10 bar, dry and free of oil dew point < -20 °C
Pneumatic drives:	Probe insertion / retraction Probe rotation Probe plunger movement
Power supply:	With tube bundle re-cooler 380VAC – 560 VAC 50/60 HZ / Output min. max. 3500 VA with air /coolant re-cooler max. 11000 VA +/- 10 % (others on request)
Gas analysis (If ordered):	In-situ measurement O ₂ or O ₂ /CO _e Extractive measurement SO ₂ , NO _x , CO ₂ etc. (others on request)
O₂ / CO_e in situ measurement (optional):	0-2% O ₂ to 0-25% O ₂ 0-500 ppm CO _e to 0-10.000 ppm CO _e
Potential free contacts:	status messages
T90-time in situ measurement:	approx. 5 sec.
Ambient temperature:	- 20 °C to + 50 °C (PLC control cabinet 0 °C to + 35 °C)