Technical data sheet
Hot gas generator CCS-HT

SAACKE

- Building materials
- Food industry
- Building materials industry
- Wood processing
- Exhaust gas cleaning
- Energy and heat supply
- Chemical industry
- Pharmacy
- Refineries

Hot gas generator CCS-HT

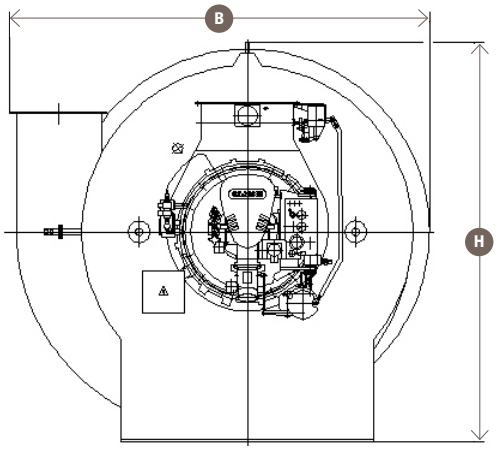
Thanks to a wide performance and application range and the use of the most varied gaseous, liquid and dusty fuels, the SAACKE CCS-HT is considered an all-rounder among hot gas generators. Regardless of the size, all combustion chambers of the CCS-HT series consist of a stable double steel shell with refractory brick lining. The smaller sizes are delivered ex works ready for installation, while larger combustion chambers are delivered in parts directly to the construction site. The mixed air enters the double shell tangentially, flows between the inner and outer shell and is mixed with the hot gas with a high mixing pulse at the end of the combustion chamber. On the one hand, the mixed air cools the steel shell, on the other hand, it serves with a modifiable quantity as a control variable for precise temperature distribution at the outlet of the hot gas generator.

The CCS-HT can be operated with a variety of SAACKE burners. All SAACKE burners ensure complete burnout, low emissions and a particularly wide control range. The possible high excess air enables furnace temperatures that are material-friendly. Depending on the fuel and combustion capacity, the hot gas temperature at the outlet of the hot gas generator is between 600 and 1,200 °C. Optionally, a significantly lower hot gas temperature can be achieved by means of an additional mixing air section. Due to the high temperature level in the combustion chamber, the hot gas generator can also thermally utilise vapour and other by-products or residues.

Technical data

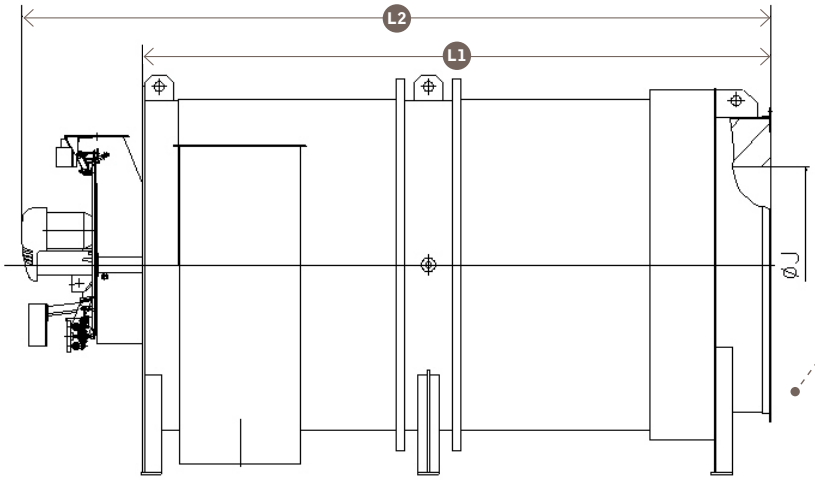
Capacity range	2 - 40 MW
Fuels	Standard fuels, heavy oil, high and low calorific gases and liquids as well as numerous powdery fuels
Outlet temperatures	< 600 - 1,000 °C

Front view



Product information

- Large hot gas temperature field
- Homogeneous temperature profile
- Numerous standard and special fuels, high and low calorific gases and liquids as well as powdered fuels
- Robust, durable construction
- Complete burnout of the fuel
- Variable mixed gas / mixed air quantity
- Highly efficient SAACKE combustion technology
- State-of-the-art control technology with the se@vis combustion manager
- Proven SAACKE service



Side view

Dimensions CCS-HT

Size	max. Capacity	Dimensions in mm					Weight*
	MW	L1	L2	H	B	øJ	in kg
25	2.5 MW	3,030	3,860	2,150	2,000	850	7,500
50	5 MW	3,700	4,530	2,375	2,360	1,050	10,700
80	8 MW	4,300	5,380	2,950	2,900	1,300	16,900
100	10 MW	4,530	5,610	2,950	3,100	1,400	19,400
150	15 MW	5,030	6,110	3,300	3,400	1,600	24,400
200	20 MW	5,700	6,950	3,450	3,650	1,800	28,200
300	30 MW	7,000	8,250	4,000	4,300	2,200	42,200
400	40 MW	7,535	8,785	4,650	4,950	2,600	54,100

*Weight incl. burner without base frame

0-0750-0134-01

SAACKE GmbH
Südweststraße 13
28237 Bremen, Germany
Tel. +49 421 6495-0
Fax +49 421 6495-5363
info@saacke.com
www.saacke.com