

Michaelis Moved Bed Furnace Type Cd – V

Features:

- **Continuous incineration:** the waste is moved over steps with a ram system
- **Incineration without grate:** absolutely sterile ashes by a complete burnout in the combustion chamber, the waste is mechanically mixed.
- **Lining:** refractory lining, resistant against wear, high heat storage, low heat emission. In the area of the floor an extra wear-resistant refractory lining is provided
- **Automatic ash discharging:** safe technology
- **Rigid construction:** use of standard components
- **Postcombustion chamber:** elimination of odour and organic matters
- **Easy operability:** automatic function control
- **Low maintenance:** all important components are clearly arranged and easy to access
- **Made in Germany quality:** long-life cycle

Main data:

Kind of waste	<ul style="list-style-type: none"> • solid • paste-like up to 40% moisture content • liquid
Amount of waste	<ul style="list-style-type: none"> • 100 – 5.000 kg/h
Calorific value of waste	<ul style="list-style-type: none"> • 1 – 45 MJ/kg
Density of waste	<ul style="list-style-type: none"> • 50 – 1250 kg/m³

Technical data:

Type	Cd V 5	Cd V 10	Cd V 11	Cd V 12	Cd V 13
Capacity kg/h	500	1.000	2.000	3.000	4.000
Thermal power kW	1.750	3.500	7.000	10.500	14.000
<u>Main combustion chamber:</u>					
Temperature °C	800 - 1200	800 - 1200	800 - 1200	800 - 1200	800 - 1200
Residence time of waste: Minutes	30 - 60	30 - 60	30 - 60	30 - 60	30 - 60
<u>Postcombustion chamber:</u>					
Temperature: °C	800 - 1200	800 - 1200	800 - 1200	800 - 1200	800 - 1200
Residence time of flue gas: Seconds	>2	>2	>2	>2	>2

- 1) Each incineration system will be adapted to the local requirements by Michaelis. The data indicated on the table are reference values.
- 2) The data are calculated with a calorific value of 12.500 kJ/kg and a moisture content less than 10%
- 3) With the composition of the waste the indicated data will also change