

## 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"> <li>• solid</li> <li>• paste-like up to 40% moisture content</li> <li>• liquid</li> </ul>
Amount of waste	<ul style="list-style-type: none"> <li>• 100 – 5.000 kg/h</li> </ul>
Calorific value of waste	<ul style="list-style-type: none"> <li>• 1 – 45 MJ/kg</li> </ul>
Density of waste	<ul style="list-style-type: none"> <li>• 50 – 1250 kg/m<sup>3</sup></li> </ul>

**Technical data:**

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