

Three Zone Tube Furnaces

50 EHC, EVC, EZS and EVZ – Compact Modular 3-Zone Tube Furnaces

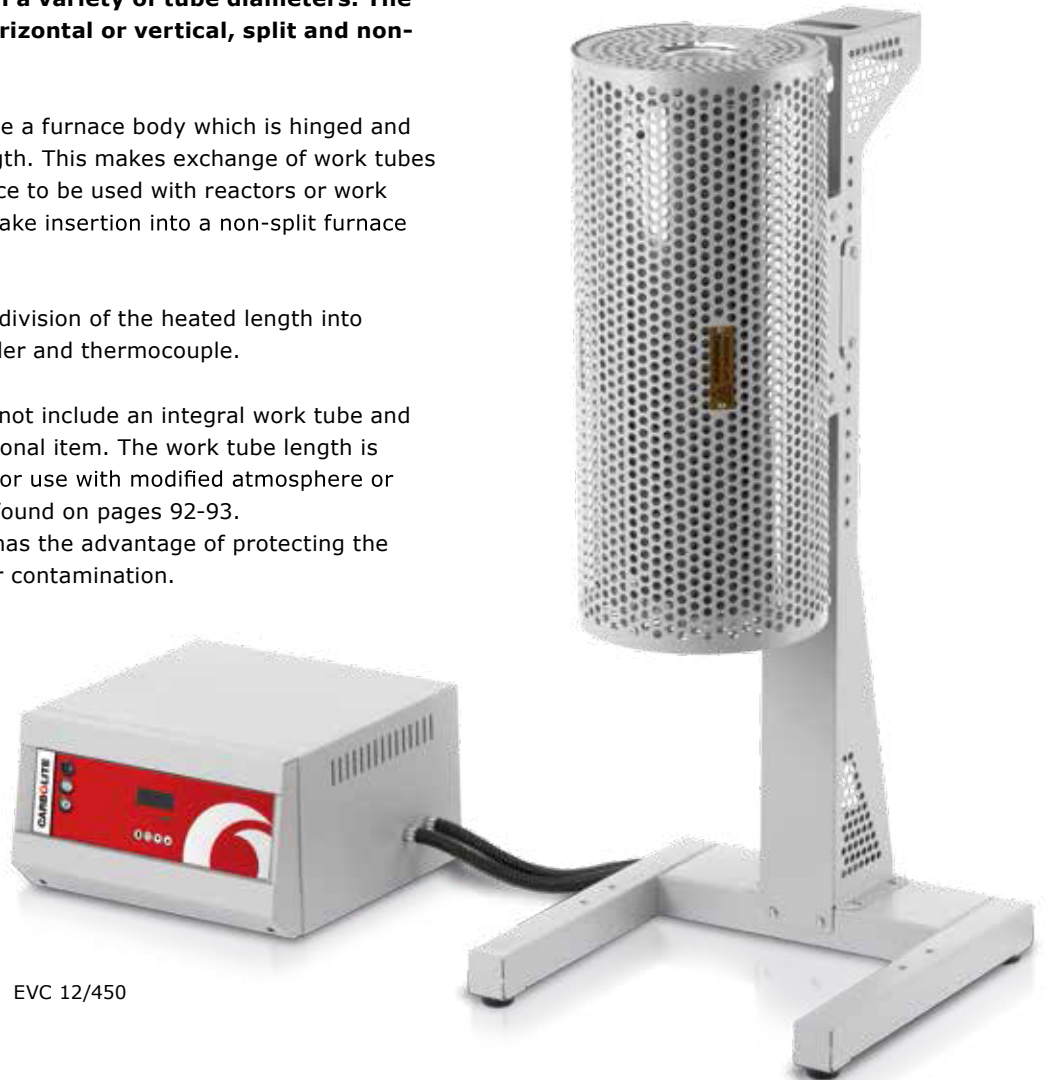
These 3-zone tube furnaces use free radiating wire elements embedded within the insulation of the furnace body. The benefit of this design is its flexibility; with the use of tube adapters the same furnace can be used with a variety of tube diameters. The furnaces are available with horizontal or vertical, split and non-split configuration.

The models EZS and EVZ comprise a furnace body which is hinged and split into two halves along its length. This makes exchange of work tubes easier and also enables the furnace to be used with reactors or work tubes where end flanges would make insertion into a non-split furnace difficult.

Excellent uniformity results from division of the heated length into 3-zones each with its own controller and thermocouple.

This range of tube furnaces does not include an integral work tube and one must be selected as an additional item. The work tube length is dependent on the application eg for use with modified atmosphere or vacuum; this information can be found on pages 92-93.

The use of a separate work tube has the advantage of protecting the heating elements from damage or contamination.



EVC 12/450

Standard features

- 1200 °C maximum operating temperature
- 450 or 600 mm heated lengths
- Provides a longer uniform zone than can be achieved in a single zone tube furnace
- Accepts work tubes with outer diameters up to 60mm
- Wire elements in high quality vacuum formed insulation ensure fast heat up, excellent temperature uniformity and short cool down times
- Models EHC, EZS: Horizontal configuration
- Models EVC, EVZ: Vertical configuration (can also be used horizontally)
- Models EVC, EVZ: Control module with 2 metre conduit to furnace
- Carbolite 301 digital PID controller with single ramp to setpoint, digital display and process timer
- Outer mesh guard ensures operator safety

明頂科技有限公司 <https://www.mding.com.tw>

TEL.07-552-6160 FAX.07586-6000