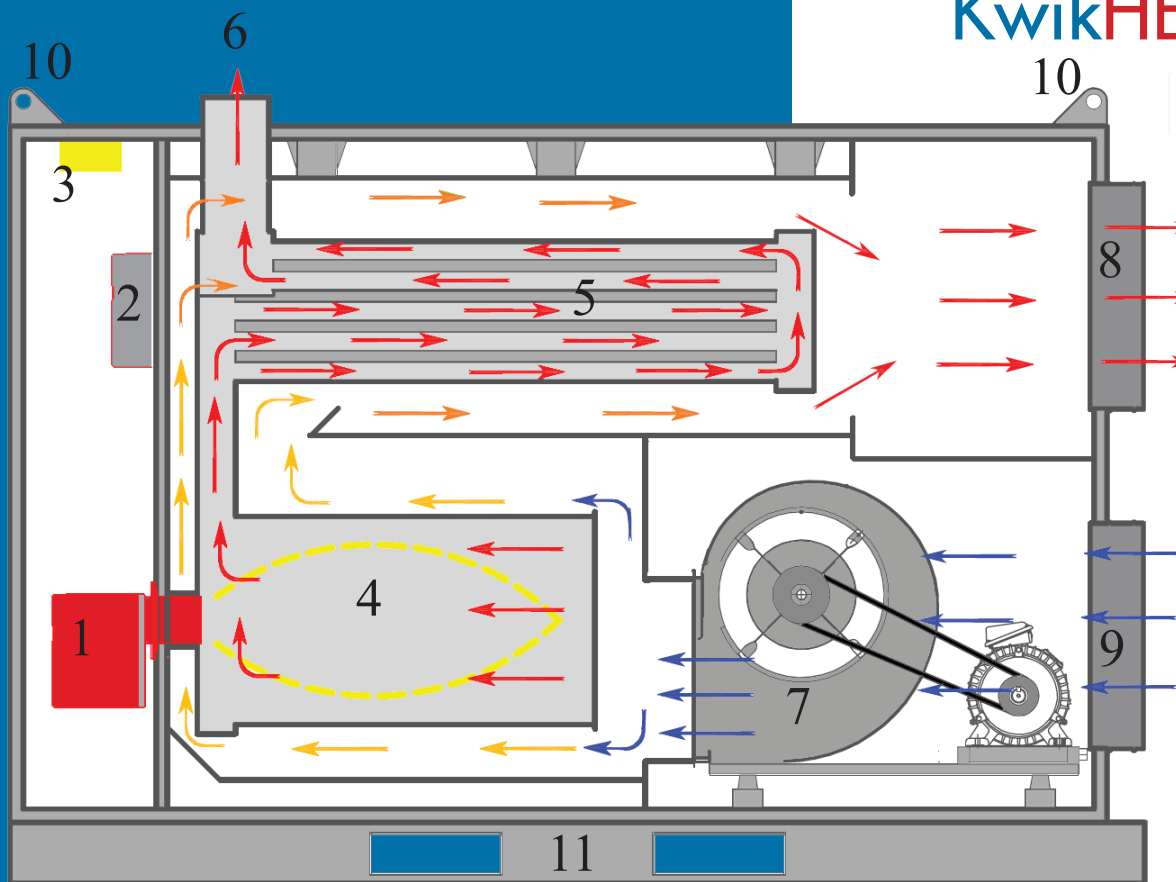


HOW IT WORKS

KwikHEAT 300kw series 2
100% fume free indirect fired warm air heater



KwikHEAT™



1. Burner
2. Control panel
3. Internal light
4. Combustion chamber
5. Heat exchanger
6. Flue
7. Centrifugal fan
8. Air discharge spigot
9. Air inlet spigot
10. Lifting lugs
11. Fork lift pockets



The flame from the burner is fired into the combustion chamber, where the hot combustion gases from the flame are reversed to flow back in the opposite direction within the combustion chamber. The hot gases are collected in the heat exchanger lower header box above the burner, and then flow along the lower tubes within the heat exchanger to the transfer box at the opposite end of the heat exchanger. The fourth pass is where the hot gases flow from the transfer box through the upper tubes within the heat exchanger to the upper header box, and from there into the flue.

Cool air is drawn in through the inlet spigot into the centrifugal fan, this air is pressurised and forced through a transfer plenum around the combustion chamber and heat exchanger. The cool air initially flows over the hot surface of the combustion chamber and gains temperature before being channelled over the heat exchanger tubes, gaining further heat along the way, before exiting into the discharge box and then into the duct via the discharge spigot.

The MH300-series 2 provides clean 100% fume free dry fresh air. Due to the force of the centrifugal fan warm air can be ducted a maximum distance of 180 meters.



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