

### Applications

- » Medium to high levels of smoke and dust
- » Workshops where local exhaust ventilation is not possible
- » To complement local exhaust ventilation systems
- » Environments with changing sources of smoke and dust
- » For large work pieces or where work positions are well separated

### Mode of operation

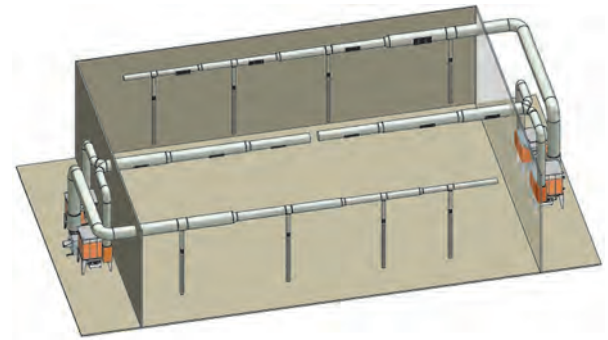
- » Outlet pipes are installed close to the floor, inlet pipes at a height of 4-6 m and connected to a central extraction and filter system
- » Contaminated, warm air rises, is collected through the inlet pipes and cleaned in the filter unit
- » The purified, clean air exits from the outlet pipes at low velocity near the floor
- » The warm, fresh air displaces the welding fumes towards the inlet pipes and at the workplaces a constant, circulating air stream is created

### Benefits

- » Optimised, low velocity air flow by using thermal air currents
- » Uninterrupted continuous operation due to automatic differential pressure-controlled filter cleaning
- » Can be adapted to specific work areas due to a flexible number of outlet pipes
- » Little noise emission due to a particularly low noise level
- » Heating costs minimized by air recirculation
- » Convenient operation due to intelligent control via touch screen with diagnostic system
- » Contamination free dust collection due to compressed air lift for duct collection container

## Displacement Ventilation

- » Capturing and outlet separate
- » Low impulse routing of air flow



### Properties

- » Automatic filter cleaning, pressure-controlled
- » Control via touch screen
- » KemTex® ePTFE filter cartridges
- » Dust collection container with pneumatic lifting device
- » Can be connected to various extraction systems
- » Can be combined with other intake systems to one extraction system
- » Adaptable in line with contamination level (outlets)
- » Low velocity air flow
- » Economical
- » Low noise level

### Accessories

- » Automatic dust disposal - DustEvac
- » External On/Off



Inlet duct



Displacement outlet

