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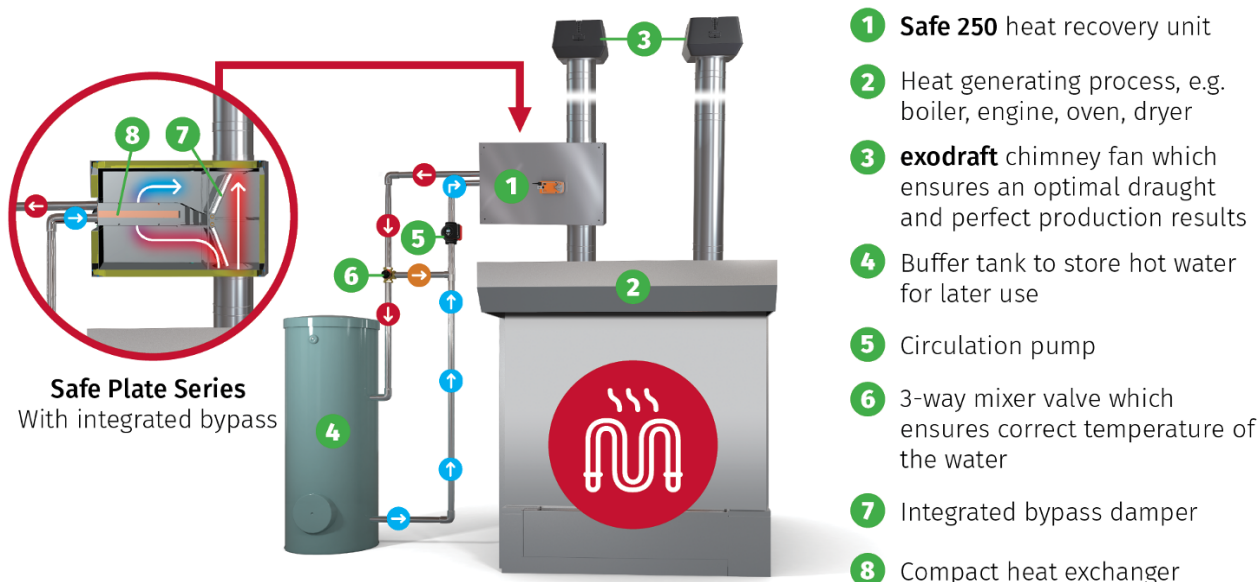
exodraft

Turnbull & Scott™  
Trusted.

## PRODUCT DESCRIPTION

By installing an exodraft heat recovery system, excess heat from flue gasses, steam or process air can be converted into hot water to be used for a variety of useful purposes as opposed to simply going to waste.

By enabling the conversion of flue gasses, steam or hot process air from your production processes into hot water, the basis is created for capitalising on substantial amounts of waste heat, in turn saving you money, reducing CO2 emissions and helping the environment. What is more, a heat recovery system from exodraft can be installed without affecting the uptime of your production.

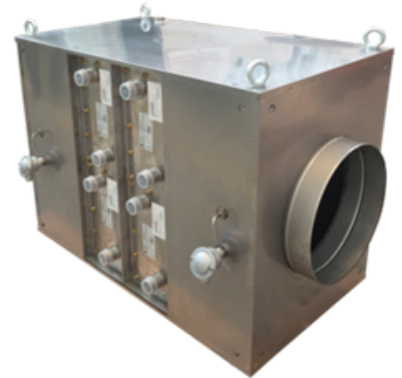


# exodraft

## OUR HEAT RECOVERY UNITS

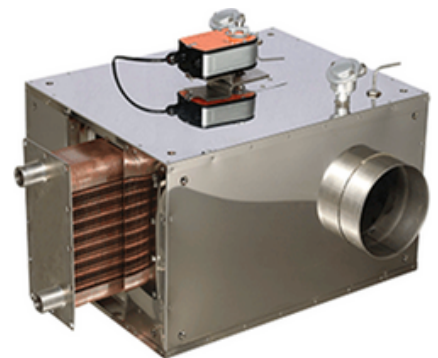
### BASIC PLATE (BP) 250-2000

- Maximum flue gas temperature of 600°C on air side
- Can be combined with other Basic Plate units in a modular fashion for higher flue gas volumes
- All parts in connection with flue gas made of stainless steel 316 (EN 1.4404)
- All external parts made of stainless steel 304 (EN 1.4301)
- 40 mm insulation
- Designed for indoor use, but can be used outdoors if the product is covered/encapsulated



### SAFE PLATE (SP) 80-500

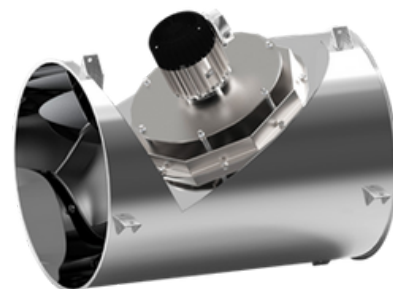
- Maximum flue gas temperature of 400°C on air side
- Integrated bypass protects the system from overheating
- All parts in connection with flue gas made of stainless steel 316 (EN 1.4404)
- All external parts made of stainless steel 304 (EN 1.4301)
- 40 mm insulation
- Maximum pressure water side of heat exchangers is 12 bar
- Designed for indoor use, but can be used outdoors if the product is covered/encapsulated



## OUR FANS

### CFIR 300/400/500 INLINE FAN

- Max. flue gas temperature 600 °C
- Compact, cylindrical design
- High-efficiency aluminium centrifugal impeller with variable speed
- Can be installed both horizontally and vertically in your duct system
- Stable construction designed to handle pulsating boilers
- Stainless steel construction in accordance with EN1.4404(316L) for indoor and outdoor installation
- Designed to meet EN16475 demands for gas seal



### RSV 009-450

- The exodraft chimney fan RSV is an exhaust fan with a vertical discharge
- The fan is placed on top of the chimney, creating a vacuum in the chimney flue
- RSV is suitable for all kinds of solid fuel but is especially ideal for wood-fired fireplaces, boilers, and stoves
- The chimney fan is part of an exodraft system and must be combined with an exodraft control



### RSHT 009-016

- The RSHT chimney fan is designed to operate under extreme conditions with very high flue gas temperatures
- The patented cooling wheel allows continuous operation of the chimney fan at temperatures up to 500°C.
- Peak load (up to three minutes) with temperatures up to 700°C are possible with the RSHT
- The chimney fan is part of an exodraft system and must be combined with an exodraft control



## OUR CONTROLS

### EHC20 CONTROL

- The EHC20 control monitors the heat exchanger, the mixing valve, the circulation pump and the buffer tank, including the flue gas sensor, contact sensor and the two storage sensors
- For standalone systems controlled only on site
- SD card slot with 2GB SD
- Start-up assistant for easy step- by-step setup
- Alarm output relay



### EAHC21 (PLC) CONTROL

- Input and output for 2 heat recovery units and 2 buffer tanks
- Remote access via web server
- Easy installation
- Expandable I/O capacity
- Multiple bus compatible (BACnet, MODBUS/IP, KNX, PROFIBUS)
- 24-230 V AC/DC startup signal
- Integrated touch display with user-friendly interface
- 3 standard motor configuration options



## OUR DAMPERS

### DAMPER MOTOR (DM) 350-500

- Used for the protection or control of hot flue gas flow to BP units
- Max. flue gas temperature 600 °C
- Parts in contact with flue gas are stainless steel EN 1.4404
- All exterior parts are made from stainless steel EN 1.4301
- Only for indoor installation (installation outside requires extra shielding)
- An integrated electric motor opens and closes the flue. Two types: on/off or modulating motor



### BYPASS DAMPER (BD) 250-500

- Used to control flue gas / process heat flow to BP units
- Max flue gas temperature 600 °C
- An integrated electric motor opens and closes the damper
- Parts in contact with flue gas are stainless steel EN 1.4404
- All exterior parts are made from stainless steel EN 1.4301
- Only for indoor installation (installation outside requires extra shielding)
- Bypass damper has a safety spring return, causing it to close automatically in case of a power failure





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