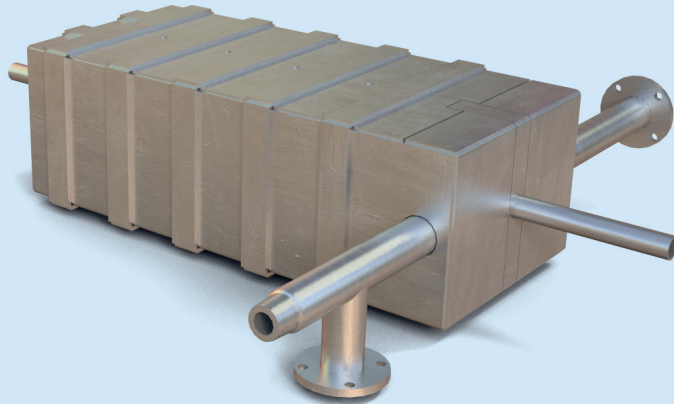


# Economiser (Gas Cooler)



**EBZ-GC-650-2**



**EBZ-GCX-1200-7** cooling of exhaust gas above its dew point



**EBZ-GC-1000-40** cooling of exhaust gas below its dew point and separation of condensate

## APPLICATION

- cooling of exhaust gases with water or air
- waste heat recovery / water heating
- drying of hot gases / separation of condensate
- gas temperature control

## KEY FEATURES

- compact and flexible design
- operation: cross-counter flow or cross-co flow
- maximum temperatures:
  - up to 650 °C: one-stage economiser
  - up to 1000 °C: two-stage economiser
  - up to 1200 °C: economiser in tube bundle design
- heat transfer capacity up to 40 kW
- standard products for different heat capacities
- pipe connections according to customer demand

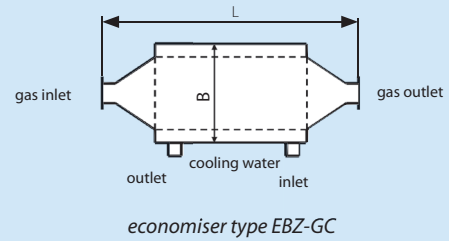
## OPTIONAL

- materials for corrosive fluids
- geometry adjustment on customer demand
- other sizes on request

	GC - 650	GC - 1000	G CX - 1200
<b>maximum temperatures</b>			
650 °C	●	●	●
1000 °C		●	●
1200 °C			●
<b>design</b>			
one-stage economiser	●		
two-stage economiser		●	
tube bundle design			●
<b>standard products</b>			
1 kW / 2 kW / 5 kW	●	●	
3 kW / 7 kW			●
<b>principle of flow direction</b>			
cross-counter flow	●	●	
cross-co flow	●	●	
counter flow			●

**SPECIFICATION OF STANDARD ECONOMISERS**

type (examples)	T <sub>max</sub> (°C)	heat transfer capacity (kW)	L / B / Height (mm)
EBZ-GC-650-1	650	1.0	210 / 150 / 70
EBZ-GC-650-2	650	2.0	240 / 180 / 70
EBZ-GC-650-5	650	5.0	270 / 210 / 100
EBZ-GC-1000-1	1000	1.0	240 / 130 / 70
EBZ-GC-1000-5	1000	5.0	320 / 200 / 100
EBZ-GCX-1200-3	1200	3.0	265 / 130 / 75
EBZ-GCX-1200-7	1200	7.0	290 / 160 / 110



**CUSTOM PARAMETER**

**FLUIDIC DATA (GAS)**

gas composition [Vol.-%]:

temperature [°C]:	inlet	outlet	maximal pressure loss [mbar]:
inlet pressure [bar(g)]:	max. / min. flow rates [l <sub>N,STP</sub> /min]:		

**FLUIDIC DATA (COOLING WATER)**

temperature [°C]:	inlet	outlet	maximal pressure loss [mbar]:
inlet pressure [bar(g)]:	max. / min. flow rates [l/min]:		

**POSITION OF INLET AND OUTLET OF COOLING WATER:**

inlet and outlet at the same side:	necessary	possible
inlet and outlet at different sides:	necessary	possible

**ADDITIONAL INFORMATION (maximum available space, additional operating points, ...)**