Customer information

CE marking and the EU Pressure Equipment Directive

FERCHER heat exchangers for water and water-glycol do not carry a CE mark under EU Pressure Equipment Directive 2014/68/EU. This is required by law: pressure and volume are below the limits of the Directive. Such equipment counts as low-risk pressure equipment. For it, the Directive requires manufacture in accordance with sound engineering practice and instructions for use; the CE mark is prohibited.

Classification

Criterion	Limit in the Directive	FERCHER heat exchangers
Fluid on the service water side the circuit that takes up the heat	Group 2 liquid, i.e. not classified as dangerous	**water or water-glycol**
Vapour pressure of this fluid at the maximum allowable temperature whether it counts as a liquid	at most 0.5 bar above atmospheric pressure	**water at 110 °C: around 0.4 bar, water-glycol less** property of the fluid, not the operating pressure
Maximum allowable pressure of the service water side	Category I only above 10 bar	**at most 10 bar (PN10)**
Pressure × volume of the service water side	Category I only above 10,000 bar·L	**at most 2,540 bar·L** largest type FW-1000-X4
Pressure on the exhaust gas or wastewater side	Directive applies only above 0.5 bar	**exhaust gas at most 0.03 bar** **wastewater flows unpressurised**

A category, and with it the CE marking, would only apply if pressure and pressure × volume were both above the limit. With FERCHER both are below.

Result: FW exhaust gas heat exchangers and FB and AWT wastewater heat exchangers are low-risk pressure equipment under Article 4(3) of the Directive and § 7 of the Austrian Duale Druckgeräteverordnung (DDGV).

What this means for you

- ✓ **Nothing is missing.** Delivery without a CE mark and without an EU declaration of conformity under the Pressure Equipment Directive is correct. No certification is required. Pumps and controls carry their own CE mark where required.
- ✓ **Use throughout the EU.** No Member State may prohibit or impede this equipment on grounds of pressure risks.
- ✓ **Made in Austria.** FERCHER designs the equipment; it is manufactured by partner plants in Austria.
- ✓ **Your part.** The classification applies to operation within the limits on the type plate and data sheet. For exhaust gas heat exchangers this includes safety valves and automatic bypassing or shut-off of the exhaust gas in the event of a fault, see the operating instructions. Operator duties follow the rules at the place of installation.

Legal basis: Directive 2014/68/EU, Art. 1(1), Art. 4(1)(a)(ii) and 4(3), Art. 5(1), Art. 13, Annex II Table 4. Austrian Duale Druckgeräteverordnung, BGBl. II Nr. 59/2016, §§ 1, 5(1)(b), 7 and 16.