QS

WATER HEATER FOR INDIRECT HEATING







Design

The QS water heater is a high-class product with superior performance. The heater features one purpose-built heating coil to provide an efficient heating of the industrial water in order to ensure sufficient amounts of hot water. The heater is equipped with a side flange for cleaning purposes. The QS range is completely insulated with CFC-free EPS cups. This minimises the heat loss and the running costs. Besides, the water heater is made from steel, enamelled, and equipped with an anode in order to prevent corrosion and ensure a long life cycle.

The inside of the QS is covered with a unique enamel which has been melted into a hard and impervious surface at temperatures of up to 800°C. This super-hard surface restrains lime, zoogloeal film, and other types of scaling – even after several years of operation. This improves the hygiene and leads to a long life cycle. Along with the anode, this protects the heater from corrosion.

The large enamelled steel coils consist of pipes designed to provide maximum cooling of the district or central heat water with a minimum pressure drop. This provides a sound running economy. The QS is easy to install and maintain. The heater comes in two sizes – 300 and 500 litres.

Application

QS may be used for district heating purposes and in connection with oil and gas boilers.

High efficiency

On QS water heaters, the heating water (district or central) is led directly into the upper part of the heater. Along with a turbulence-free cold water inlet, this ensures an efficient stratification and thereby a high useful output, altogether ensuring a fast heating of the water.

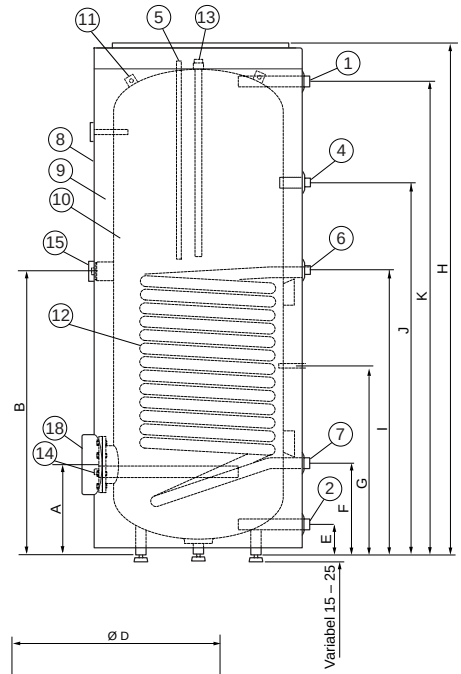
Water heaters for indirect heating with a enameld battery circuit

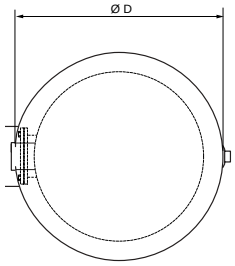
The advantages of QS

- **Efficient heating coil — always sufficient amounts of hot water.**
- **Inside enamelling to prevent corrosion.**
- **Long life cycle.**
- **High reliability.**
- **Total CFC-free insulation to prevent heat loss.**
- **5 year corrosion guarantee.**
- **Cost-effective acquisition.**



Dimensions & Key to Components



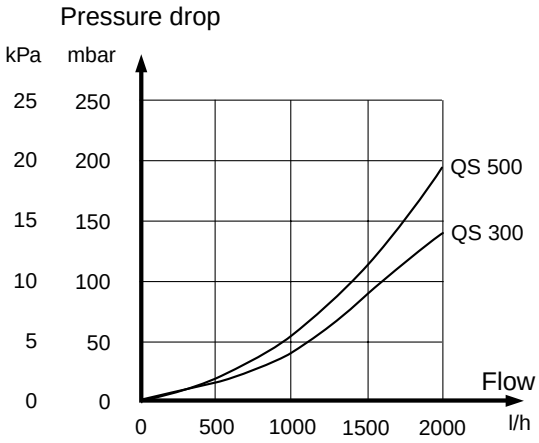


1	Hot water outlet	G1 external thread
2	Cold water inlet	G1 external thread
4	Circulation connection	G3/4 external thread
5	Thermostat connection	Ø 12.5 mm (internal)
6	Inlet battery circuit	G1 external thread
7	Outlet battery circuit	G1 external thread
8	Outer cladding	
9	Insulation	
10	Water tank	
11	Lifting eye	
12	Battery circuit	
13	Anode	
14	Anode	
15	Electric heater connection	11/2 internal thread
18	Inspection opening	

	QS 300	QS 500
A	283	315
B	883	1110
Ø D	650	750
E	91	112
F	283	280
G	533	736
H	1587	1762
I	787	1080
J	1083	1224
K	1472	1618

Pressure drop diagram

(Primary side)



Technical data

Type designation			QS 300	QS 500
Volume		l	295	495
Net weight		kg	145	205
Battery, calentamiento solar		m^2	1,55	2,1
Continuous tapping	80/10 – 45 °C	l/h	1000	1265
Output at primary flow 1,500 l/h	80/10 – 45 °C	kW	41	52
Output at primary flow 1,500 l/h	80/10 – 60 °C	kW	33	43
Heating time	to 60 °C	min	32	40
Hot/Cold water connection	flat sealing	external thread	G1	G1

We reserve the right to make changes in design and dimensions without prior notice.

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