

### Design data

Boiler model - TT200		
Boiler type - STEAM / WET BACK		
Design EN 12953		
Description	Unit	Value
Steam capacity (nominal load):	tn / h	1,0
Steam outlet temperature	°C	+175
Feed water temperature	°C	+104
Design pressure	bar	8,3
Max. working pressure	bar	8,0
Hydro test pressure	bar	12,8
Trip pressure safety valve	bar	8,0
Boiler weight	kg	5190
Volume of water	m <sup>3</sup>	3,7

### Connection table

Designation	Application	Amount	Diameter (DN), mm	Pressure (PN), bar	Flanges
a	Flue gas exhaust	1	300	0,1	ISO 7005-1:2011
b	Feed water inlet	1	40	16	ISO 7005-1:2011
c	Steam outlet	1	65	16	ISO 7005-1:2011
d	Safety valve	2	32	16	ISO 7005-1:2011
e	Desalting control valve	1	20	16	ISO 7005-1:2011
f	Water drain	1	40	16	ISO 7005-1:2011
g	Sight hole	1	335x435	-	-
h	Sight hole	1	230x330	-	-
i	Gas analyzer	1	G1/2-B	-	-
k	Condensate drain	1	G1-B	-	-
o	Water level indicator	4	20	16	ISO 7005-1:2011
l	Level limiter min	2	G3/4-B	-	-
w	Level limiter max	1	G3/4-B	-	-
p	Level transducer	1	G3/4-B	-	-
m	Conductivity transducer	1	G1-B	-	-
q	Flue gas temperature sensor	1	G1/2-B	-	-
r	Pressure gauge	1	G1/2-B	-	-
s	Pressure limiter	1	G1/2-B	-	-
z	Pressure transducer	1	G1/2-B	-	-
t	Quick shut-off blow down valve	1	40	16	ISO 7005-1:2011
v	Drain air valve	1	25	16	ISO 7005-1:2011

### NOTES:

All dimensions are in mm.  
 The design of the boiler complies with the General safety requirements PED 2014/68/EU Annex I and the standards of the series EN 12953.

