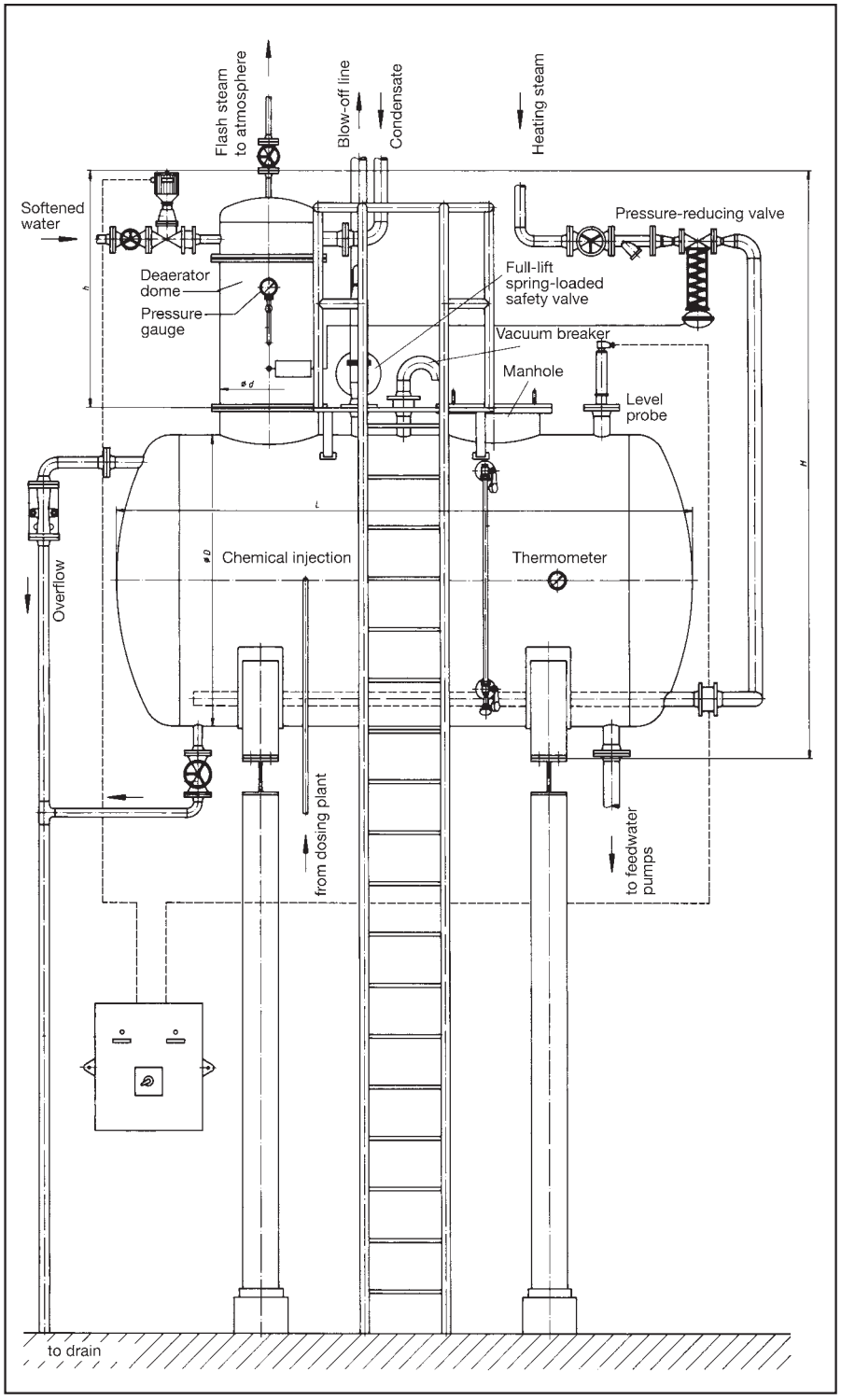

Application

To avoid corrosion damage to steam boiler plants, the content of aggressive gases, such as oxygen and carbon dioxide, in the feedwater must be as low as possible. The German Technical Supervisory Association (VdTÜV) has issued directives concerning boiler feedwater quality which are applied by German boiler manufacturers when giving a warranty on their boilers.
Thermal deaeration in addition to chemical deaeration is very important for maintaining the required feedwater quality.

Recommendation:
For quality of soft water:
Concentration of chloride approx. 50 mg/l
Conductivity approx. 250 µS/cm

Deaerating dome NDR

Type	Capacity m³/h	∅ mm	Height approx. mm
250	0.5 – 1.6	250	1050
350	1.7 – 3.0	350	1260
450	3.1 – 5.0	450	1280
550	5.1 – 8.0	555	1300
650	8.1 – 11.0	650	1820
800	11.1 – 15.0	800	1850
900	15.1 – 19.0	900	1870
1000	19.1 – 24.0	1000	1880
1200	24.1 – 33.0	1200	2323
1400	33.1 – 40.0	1400	2473

Feedwater tank SW

Size	∅ mm	Length approx. mm	Volume of tank l
I	800	2360	1000
II	1000	2940	2000
III	1200	3050	3000
IV	1200	3550	4000
V	1600	3680	6000
VI	1600	4680	8000
VII	1600	5680	10000
VIII	2000	5000	16000
IX	2000	7850	22000
X	2500	7050	30000
XI	2500	9100	40000

Technical Data (Standard)

Max. service pressure	Max. service temperature	Capacity range	Materials (DIN reference)	Residual oxygen
0.5 bar	111 °C	0.5 – 24 m³/h	S235JRG2 1.4571	< 0.02 mg/l

Higher capacities and pressures on request

The base support, access ladder and operating platform are not part of the GESTRA AG product range.