

DEG

Atmospheric deaerator



The DEG deaerators are devices at atmospheric pressure designed for the thermophysical degassing of the steam boiler feed water. The degassing process is performed by means of a controlled steam injection inside the storage tank in order to increase the internal water temperature.

This appliance is part of the condition provided by the Art. 3 Par. 3 of the PED Directive 2014/68 / EU.

Provided with:

- steam diffuser pipe inside the tank
- sheet steel support saddles able to ensure unit support
- insulating coating with high density mineral wool and aluminium sheet finish

The deaerator is available in the S235JR steel or AISI 304 stainless steel versions.

Data concerning the **feed water** in the deaerator:

- Inlet water pressure: 1 + 3 bar
- Temperatura dell'acqua in ingresso: 10 + 35 °C

Standard equipment

Thermoregulating unit for temperature maintenance (90°C) in the storage tank including:

- automatic or pneumatic modulating two-way valve
- temperature sensor
- steam filter
- 2 shut-off globe valves
- bypass globe valve

Blowdown unit including:

- bypass globe valve

Make-up feed water unit including:

- water solenoid valve
- water filter
- 2 shut-off ball valves
- bypass ball valve

Automatic conductivity probe level regulator including:

- solenoid valve opening and closing probes
- probe for alarm and low level signalling

Boiler control panel IP55 1/N ~ 230V 50 Hz

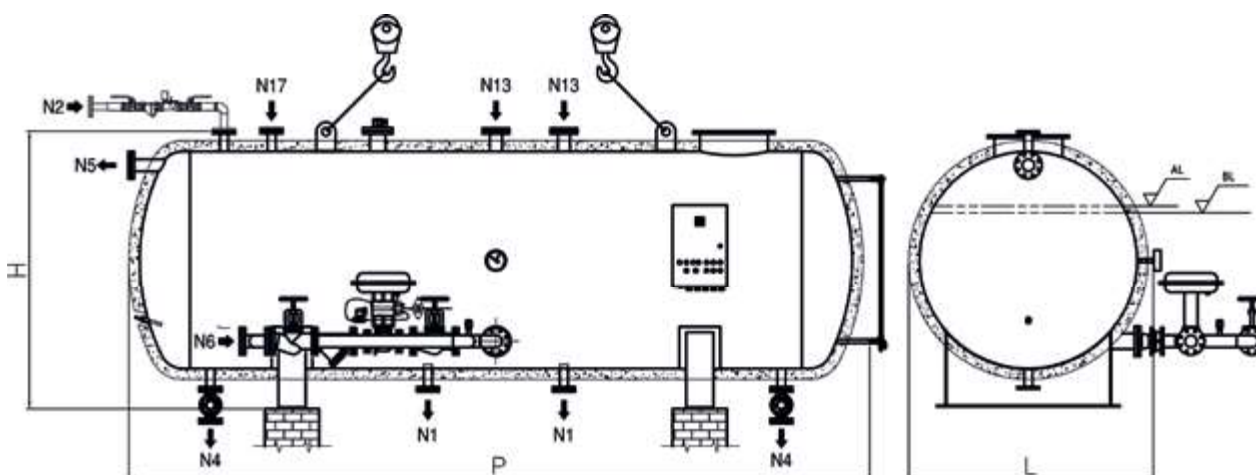
CODES AND MATCHING BOILERS

Model	SIXEN	TReVAPOR	TReVAPOR P	GX
DEG 500	500	-	-	-
DEG 1000	650 - 800 - 1000	800	-	-
DEG 1500	1350 - 1700	1200 - 1500	1200 - 1500	-
DEG 2000	2000	2000	2000	1200
DEG 2500	2500	2500	2500	1500
DEG 3000	3000	3000	3000	1750 - 2000
DEG 4000	3500 - 4000	3500 - 4000	3500 - 4000	2500
DEG 5000	5000	5000	5000	3000
DEG 8000	-	6000	6000 - 6500	3500 - 4000 - 5000
DEG 10000	-	-	-	6000
DEG 12000	-	-	-	7000
DEG 15000	-	-	-	8000 - 9000
DEG 20000	-	-	-	10000 - 12000
DEG 25000	-	-	-	13000 - 15000

TECHNICAL DATA

Model	Total volume H2O	Deaeration capacity	Steam consumption	Empty weight	H	L	P
	lt	l/h	kg/h	kg	mm	mm	mm
DEG 500	500	500	65	280	1100	830	1800
DEG 1000	1000	1000	130	440	1250	1030	2140
DEG 1500	1500	1500	195	500	1250	1030	3040
DEG 2000	2000	2000	260	640	1550	1300	2380
DEG 2500	2500	2500	325	750	1550	1300	2980
DEG 3000	3000	3000	390	850	1800	1480	3060
DEG 4000	4000	4000	520	1050	1950	1630	2940
DEG 5000	5000	5000	650	1100	2150	1830	2880
DEG 8000	8000	8000	1040	1600	2150	1830	4230
DEG 10000	10000	10000	1300	2400	2150	1830	5450
DEG 12000	12000	12000	1560	2600	2377	2130	5028
DEG 15000	15000	15000	1950	3000	2473	2230	5528
DEG 20000	20000	20000	2600	3800	2650	2200	6810
DEG 25000	25000	25000	3250	4200	2550	2100	9050

The values indicated in the table are referred to both DEG and DEG STAINLESS STEEL types



PRODUCT CODES

Model	Code
DEG 500	85500015
DEG 1000	85500012
DEG 1500	85500026
DEG 2000	85500028
DEG 2500	85500025
DEG 3000	85500005
DEG 4000	85500014
DEG 5000	85500016
DEG 8000	85500018
DEG 10000	85500022
DEG 12000	85500031
DEG 15000	85500037
DEG 20000	85500043
DEG 25000	85500021

Model	Code
DEG 500 INOX	85500300
DEG 1000 INOX	85500044
DEG 1500 INOX	85500046
DEG 2000 INOX	85500035
DEG 2500 INOX	85500302
DEG 3000 INOX	85500304
DEG 4000 INOX	85500306
DEG 5000 INOX	85500032
DEG 8000 INOX	85500310
DEG 10000 INOX	85500312
DEG 12000 INOX	85500036
DEG 15000 INOX	85500314
DEG 20000 INOX	85500315
DEG 25000 INOX	85500316