

VEA

Super-heated water expansion vessel



Design pressure 5 or 12 bar

The VEA expansion vessel has been designed to absorb the volumetric variations of the water in the system, due to the temperature increase.

The system is kept at a certain air/nitrogen pressure, according to the operating pressure of the hot water or super-heated water boiler.

It usually tops up the supply to super-heated water boilers.

The VEA expansion vessel complies with the PED Directive 2014/68/EU.

Provided with:

- steel sheet supporting legs
- hatch, connections and fittings
- external finish with paint

Standard equipment

Air or nitrogen supply including:

- 1 air/nitrogen intake solenoid valve
- 2 nitrogen release solenoid valves
- 1 non-return valve
- Pressure control instrumentation including:
 - 1 safety valve certified according to PED Directive 2014/68/EU
 - 1 pressure gauge with three-way test valve
 - 1 feed pressure switch
 - 1 vent pressure switch
 - 1 safety pressure switch with manual reset, approved according to PED Directive 2014/68/EU

Level control instrumentation including:

- 1 refilling pump start probe (pump not supplied)
- 1 refilling pump stop probe (pump not supplied)
- 1 low level alarm probe
- 1 high level alarm probe
- 1 level indicator

Boiler control panel, IP 55 400V/3 +N/ 50Hz

On specific request it is possible to add the kit **VEACERT01** which allows to obtain **assembly CE certification (module B+D)**

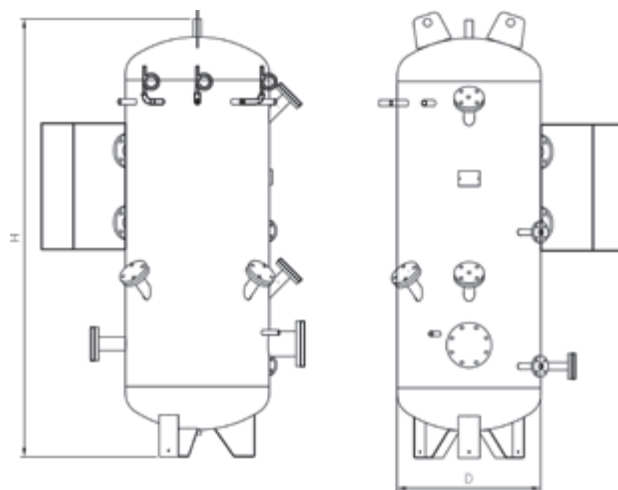
The kit consists of a series of accessories, which are assembled and electrically and hydraulically tested at our facility, and specifically:

- 1 minimum level probe **with self-diagnosis**
- 1 maximum safety pressure switch **PED certified**
- 1 nitrogen load pressure switch **PED certified**
- 1 nitrogen drain pressure switch **PED certified**
- 1 control panel **certified according to standards EN 764-7 and EN50156**

TECHNICAL DATA

Model	Capacity	design pressure	Max. design temperature
	lt	bar	°C
VEA 500/5	500	5	191,7
VEA 1000/5	1000	5	191,7
VEA 1500/5	1500	5	191,7
VEA 2000/5	2000	5	191,7
VEA 2500/5	2500	5	191,7
VEA 3000/5	3000	5	191,7
VEA 4000/5	4000	5	191,7
VEA 5000/5	5000	5	191,7
VEA 6000/5	6000	5	191,7
VEA 8000/5	8000	5	191,7
VEA 9000/5	9000	5	191,7
VEA 10000/5	10000	5	191,7

Model	Capacity	design pressure	Max. design temperature
	lt	bar	°C
VEA 500/12	500	12	191,7
VEA 1000/12	1000	12	191,7
VEA 1500/12	1500	12	191,7
VEA 2000/12	2000	12	191,7
VEA 2500/12	2500	12	191,7
VEA 3000/12	3000	12	191,7
VEA 4000/12	4000	12	191,7
VEA 5000/12	5000	12	191,7
VEA 6000/12	6000	12	191,7
VEA 8000/12	8000	12	191,7
VEA 9000/12	9000	12	191,7
VEA 10000/12	10000	12	191,7



DIMENSIONS

Model	D	H	Total weight
	mm	mm	kg
VEA 500/5	635	2016	256
VEA 1000/5	800	2461	350
VEA 1500/5	950	2560	485
VEA 2000/5	1100	2664	650
VEA 2500/5	1250	2600	765
VEA 3000/5	1250	2950	850
VEA 4000/5	1450	3155	1110
VEA 5000/5	1450	3685	1265
VEA 6000/5	1450	4185	1415
VEA 8000/5	1700	4270	1800
VEA 9000/5	1700	4720	1965
VEA 10000/5	1700	5200	2120

PRODUCT CODES

Model	Code
VEA 500/5	85510009
VEA 1000/5	85510021
VEA 1500/5	85510024
VEA 2000/5	85510027
VEA 2500/5	85510089
VEA 3000/5	85510023
VEA 4000/5	85510007
VEA 5000/5	85510053
VEA 6000/5	85510091
VEA 8000/5	85510093
VEA 9000/5	85510094
VEA 10000/5	85510095

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VEA 1500/12	950	2560	485
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VEA 3000/12	1250	2950	850
VEA 4000/12	1450	3155	1110
VEA 5000/12	1450	3685	1265
VEA 6000/12	1450	4185	1415
VEA 8000/12	1700	4270	1800
VEA 9000/12	1700	4720	1965
VEA 10000/12	1700	5200	2120

Model	Code
VEA 500/12	85510010
VEA 1000/12	85510013
VEA 1500/12	85510063
VEA 2000/12	85510034
VEA 2500/12	85510003
VEA 3000/12	85510011
VEA 4000/12	85510001
VEA 5000/12	85510108
VEA 6000/12	85510049
VEA 8000/12	85510110
VEA 9000/12	85510111
VEA 10000/12	85510112