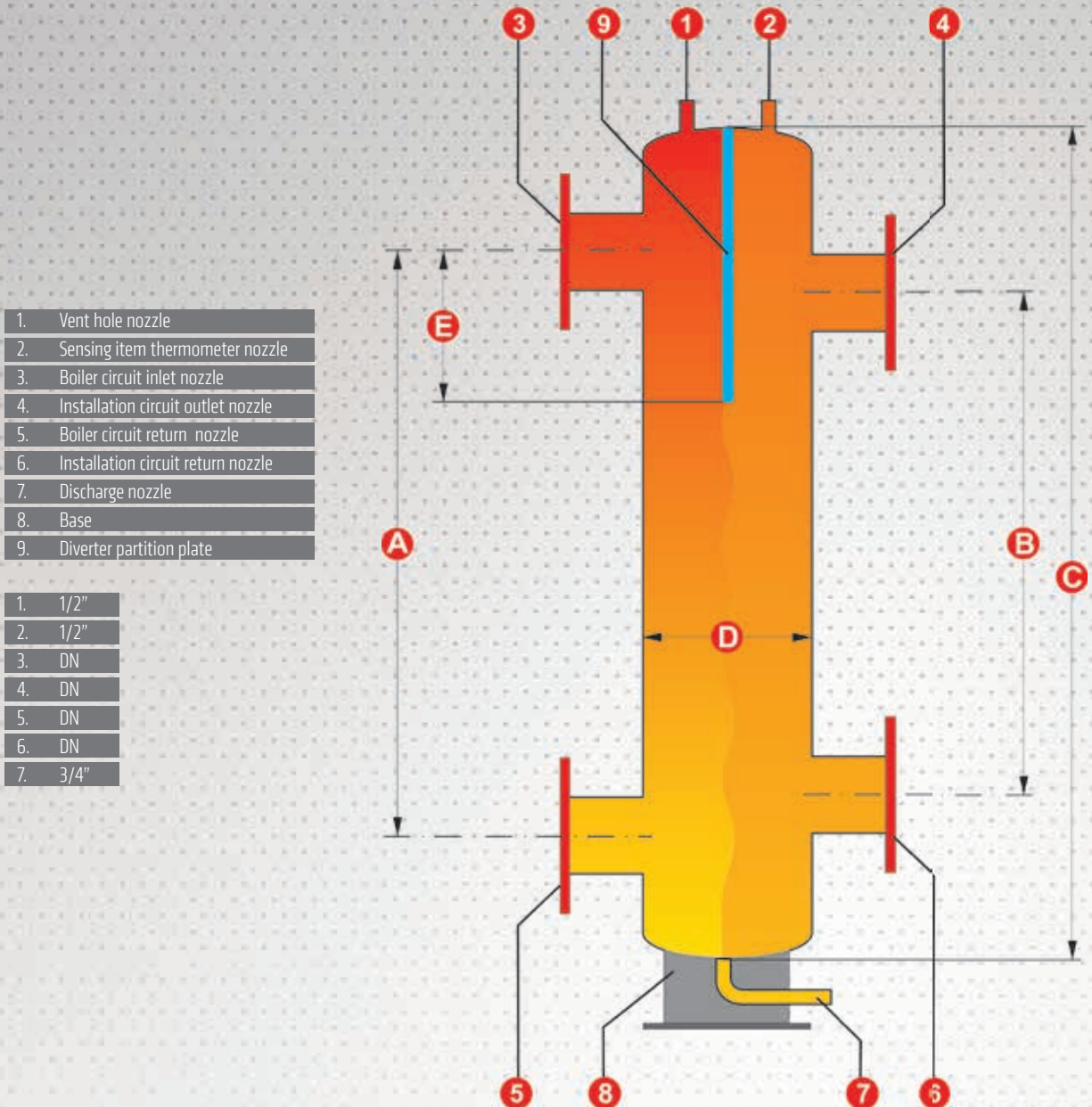




TSEK
ISO 9001-2008

PROPERTIES OF ADT BALANCE TANKS

- Fluid which is used installations losses heat when they return from installation to boiler, this case causes formation of temperature difference and formation of heat stress in boilers. It shortens service life time of boiler. Primary task of balancing tank is to maintain heat balance by maintaining the mixing of cold water coming from installation and hot water coming from boiler. So that temperature differences are minimized. Temperature and pressure control can be carried out by connecting sensors.
- It balances the hydraulic loads between boiler circuit and heating circuit
- It has high strength and it is light weight
- Casing has welded construction and manufactured from carbon steel
- Pressure strength and leakage test is applied in all pressures
- Balancing container manufacturing can be carried out in all desired dimensions by its superior manufacturing technology
- Balancing container should be mounted vertically
- Boilers and heating zones operate under proper water flow rates
- Heating circuit can be used in systems having single or multiple boilers independent from control systems.
- Adjustment items which are located at both side of balancing container operates optimally (three way valve etc)
- Isolation can be made in balancing container based upon request



- 1. Vent hole nozzle
- 2. Sensing item thermometer nozzle
- 3. Boiler circuit inlet nozzle
- 4. Installation circuit outlet nozzle
- 5. Boiler circuit return nozzle
- 6. Installation circuit return nozzle
- 7. Discharge nozzle
- 8. Base
- 9. Diverter partition plate

- 1. 1/2"
- 2. 1/2"
- 3. DN
- 4. DN
- 5. DN
- 6. DN
- 7. 3/4"

PN 6-10 TECHNICAL PROPERTIES OF ADT BALANCE TANKS

BALANCE TANK	UNIT	ADT 60	ADT 80	ADT 100	ADT 120	ADT 150	ADT 200	ADT 250	ADT 300	ADT 350	ADT 400	ADT 450	ADT 500	ADT 550
Capacity	kCal/h	60.000	80.000	100.000	120.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000
Capacity	kW	70	93	116	140	174	233	291	349	407	465	523	581	640
Flow rate Δ 150C	m ³ /h	4	5,3	6,7	8	10	13,3	16,7	20	23,3	26,7	30	33,3	36,7
Flange Dimension	DN	50	50	65	65	80	80	100	100	125	125	125	150	150
A dimension	mm	400	500	500	600	600	700	800	900	950	1.000	1.100	1.150	1.200
B dimension	mm	350	400	450	500	500	600	700	800	850	900	950	1.000	1.050
C dimension	mm	500	600	650	780	800	900	1000	1.100	1.200	1.300	1.400	1.450	1.500
D dimension	∅ mm	100	125	150	150	200	200	250	250	250	300	300	300	300
E Dimension	mm	50	62,5	75	75	100	100	100	125	125	125	150	150	150

BALANCE TANK	UNIT	ADT 600	ADT 650	ADT 700	ADT 750	ADT 800	ADT 900	ADT 1000	ADT 1250	ADT 1500	ADT 1750	ADT 2000	ADT 2500	ADT 3000
Capacity	kCal/h	600.000	650.000	700.000	750.000	800.000	900.000	1.000.000	1.250.000	1.500.000	1.750.000	2.000.000	2.500.000	3.000.000
Capacity	kW	698	756	814	872	930	1.047	1.163	1.453	1.744	2.035	2.326	2.907	3.488
Flow rate Δ 150C	m ³ /h	40	43,3	46,7	50	53,3	60	66,7	83,3	100	116,7	133,3	166,7	200
Flange Dimension	DN	150	150	150	200	200	200	200	200	250	250	300	300	350
A dimension	mm	1.250	1.300	1.350	1.400	1.450	1.550	1.650	1.800	2.000	2.150	2.300	2.600	2.800
B dimension	mm	1.100	1.150	1.200	1.250	1.300	1.350	1.450	1.600	1.750	1.900	2.000	2.250	2.450
C dimension	mm	1.600	1.650	1.700	1.750	1.850	1.950	2.000	2.300	2.500	2.700	2.900	3.200	3.500
D dimension	∅ mm	350	350	350	350	400	400	400	450	500	550	600	650	700
E Dimension	mm	175	175	175	175	200	200	200	225	250	275	300	325	350

- Thermometer and vent hole purger (or valve is optional for balancing tank
- Customized designs and manufacturing and different sizes can be manufactured based upon request
- Right for modifications about technical issues is reserved by our company