



BALANCE CONTAINER

GENERAL FEATURES

The fluid used in the installations is subject to heat loss when returning to the boiler. The of this temperature difference causes thermal stresses in the boiler and reduces the life of the boiler. The main task of the balance container is to ensure the thermal stability of the cooled liquid from the installation by mixing with the hot water from the boiler. Thus, the thermal equilibrium is reduced to a minimum.

Selection of Balance Container;

- When dimensioning, the max. heating water flow should be based.
- The water flow in the hydraulic balance tank is max. sizing should be done to 0.2 m / s.
- The pump on the primary side must be selected to overcome the resistance of the boiler and the primary side installation. The pump on the secondary side must be selected to overcome the resistances of the secondary side installation. All heating circuits on the secondary side must have separate pumps. The resistance of the balance container is negligible.
- The flow temperature is measured by a sensor, which is welded to the secondary side, through the hydraulic equilibrium vessel.

Not: Drain valve should be used in order for the system to work properly and efficiently.

Body
St 37.2 Carbon Steel

Max. Working Temperature
100°C

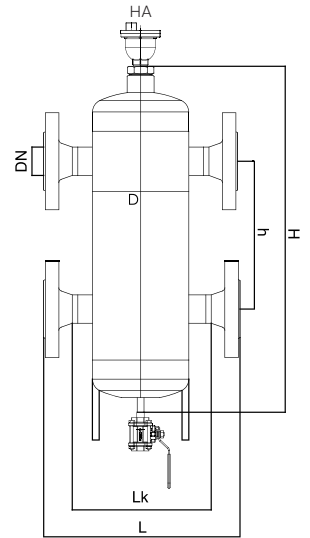
Max. Working Pressure
10 bar

Connection
Flanged / Welded End

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TECHNICAL SPECIFICATION

Tank Capacity		DN	D	Flow m ³ /h	L	LK	H	h
kcal/h	KW							
25.000	29	25/32	65	1,7	-	140	460	250
37.000	43	40	80	2,5	-	150	510	250
52.000	60	50	100	4	300	230	630	350
74.000	86							
86.000	100							
104.000	120	65	125	8	330	280	720	400
120.000	140		150	400	330	810	450	
180.000	210	80	200	12	500	420	1050	660
300.000	350	100	200	20	500	420	1100	660
340.000	395	100	250	23	550	470	1400	900
473.000	550	125	250	32	550	520	1400	900
774.000	900	150	300	52	600	580	1640	1100
1.118.000	1300	150	350	74	670	610	1800	1200
1.505.000	1750	200	400	100	770	720	1800	1200
2.150.000	2500	200	450	145	870	780	2200	1350
2.580.000	3000	250	450	172	890	780	2200	1350
3.010.000	3500	250	500	201	950	830	2300	1500
3.440.000	4000	250	600	230	1050	930	2600	1800
3.870.000	4500	250	650	260	1150	980	2750	1950
4.300.000	5000	300	700	290	1400	1140	3000	2100
4.730.000	5500	300	750	315	1400	1190	3200	2250



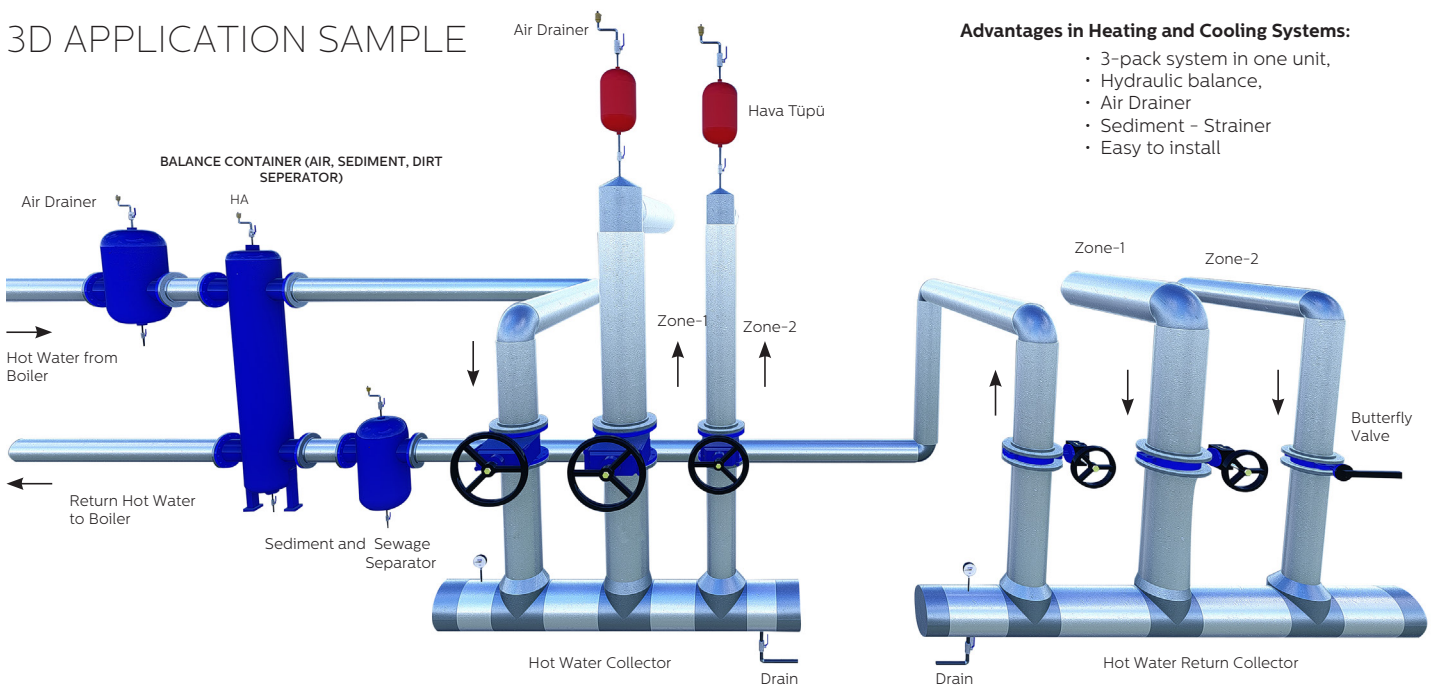
Air Drainer			
d	1/2"	3/4"	1"
HA	112 mm	116 mm	190 mm

Ball Sewage Valve Drain			
d	1/2"	3/4"	1"
KV	60 mm	70 mm	75 mm

- The dimensions are approximation and may change.
- Production is done according to Project and Application dimensions.

Note: Air separator and drain valve should be used for efficient and proper operation of the balance tank system.

3D APPLICATION SAMPLE



Advantages in Heating and Cooling Systems:

- 3-pack system in one unit,
- Hydraulic balance,
- Air Drainer
- Sediment - Strainer
- Easy to install

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