

Product Data Sheet

FlexBalance Plus F

For balancing hydraulic pressure in heating installations consisting of multiple circuits and pumps. FlexBalance Plus hydraulic balancers are supplied with an automatic air vent, a dirt chamber and a connection for a temperature sensor. The sensor can be connected using an immersion pipe (G 1/2"). The use of our patented PALL-ring technique enables a better response, returns higher efficiency, decreases total built-in height and shares its deaeration and dirt separation benefits.

- With flanged connections.



Type	Capacity [l]	Connection		Capacity [kW] *	Flow in the system [m³/h]	K _v ** [m³/h] (ΔP = 1 bar)	Weight [kg]	###	Order Code
		DN	D [mm]						
FlexBalance Plus F 50	17.5	50	60.3	100 - 200	5 - 15	81	28	1	28480
FlexBalance Plus F 65	17.5	65	76.1	180 - 330	10 - 17	131	30	1	28481
FlexBalance Plus F 65 ***	17.5	65	76.1	180 - 330	10 - 17	131	30	1	28479
FlexBalance Plus F 80	56.0	80	88.9	300 - 450	15 - 30	189	50	1	28482
FlexBalance Plus F 100	56.0	100	114.3	400 - 770	25 - 55	317	55	1	28483
FlexBalance Plus F 125	146.0	125	139.7	700 - 1150	35 - 80	460	109	1	28484
FlexBalance Plus F 150	272.0	150	168.3	1000 - 1750	55 - 120	679	197	1	28485
FlexBalance Plus F 200	671.0	200	219.1	1500 - 2800	90 - 200	1135	342	1	28486
FlexBalance Plus F 250	1547.0	250	273.0	2500 - 4500	110 - 350	1870	657	1	28487
FlexBalance Plus F 300	1547.0	300	323.9	4200 - 6400	150 - 500	2620	752	1	28488

* Depending on flow velocity.

** $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]

Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.

*** 4 hole flanged version. Not according to EN 1092-1 PN16.

Type	Dimensions					
	A [mm]	B [mm]	C [mm]	E [mm]	H [mm]	I [mm]
FlexBalance Plus F 50	400	350	950	88	154	
FlexBalance Plus F 65	400	350	950	88	154	
FlexBalance Plus F 80	625	470	1265	135	188	
FlexBalance Plus F 100	625	470	1265	135	188	
FlexBalance Plus F 125	830	635	1767	180	213	
FlexBalance Plus F 150	1040	774	2175	225	237	645
FlexBalance Plus F 200	1400	1000	2895	300	277	825
FlexBalance Plus F 250	1850	1220	3646	400	325	977
FlexBalance Plus F 300	1850	1220	3646	400	369	977

Advantages

- Intergration of air and dirt separation.
- No more overloaded pumps.
- Improved accurate regulation of the system.
- Considerably improved heat transfer.
- Higher output by the system.
- Excellent hydraulic control in combination with a large air and dirt separation capacity.
- Smaller construction height than standard hydraulic separators.

Technical information

- Minimum/Maximum working pressure: 0.2 - 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Suitable for glycol solutions up to 50%.
- Maximum flow rate:
Primary circuit: 2 m/s
Secondary circuit: 1.2 m/s.
- With welding connections.
- FlexBalance DN150 and larger: Standard equipped with legs.

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