

Product Data Sheet

Single Pump Control

For pressurisation, deaeration and topping up in sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

Flamcomats with pump units are used for storage of expansion water, deaeration and topping up your installation automatically as an integrated controlled unit carried out with state of the art micro-electronics. The Flamcomat balanced pressure expansion equipment is sized according to the total system volume and the boiler or chiller load. The Flamcomat vessel is 80% efficient irrespective of the static height of the system. It is the ideal solution for large installations or high installations where standard diaphragm expansion equipment is limited.



Type*	Design pressure [PN]	Pump orientation	For boiler output [kW]	Working pressure [bar]	Dimensions L. x W. x H. [mm]	Connection to			###	Order Code
						Vessel	System conn.	Water supply		
MM / G3	PN 6	hor.	100 - 200	1.2 - 3.0	506 x 227 x 922	G 1" M	G 1 1/4" F	Rp 1/2"	1	17940
M02 / G3	PN 10	hor.	500 - 2300	1.2 - 3.5	540 x 227 x 922	G 1" M	G 1 1/4" F	Rp 1/2"	1	17943
M10 / G3	PN 10	hor.	900 - 4700	2.0 - 5.0	513 x 227 x 922	G 1" M	G 1 1/4" F	Rp 1/2"	1	17944
M20 / G3	PN 10	hor.	1600 - 8400	2.0 - 5.0	553 x 227 x 922	G 1" M	G 1 1/4" F	Rp 1/2"	1	17945
M60 / G3	PN 10	vert.	1400 - 4700	3.5 - 8.5	561 x 227 x 922	G 1" M	G 1 1/4" F	Rp 1/2"	1	17946
M80 / G3	PN 16	vert.	1400 - 4900	4.7 - 10.0	593 x 299 x 937	G 1" M	G 1 1/4" F	Rp 1/2"	1	17947
M100	PN 16	vert.	1300 - 5200	5.9 - 14.1	540 x 605 x 1030	G 1 1/2" F	G 1 1/2" F	Rp 1/2"	1	17884
M130	PN 16	vert.	3300 - 5300	8.0 - 14.4	540 x 605 x 1190	G 1 1/2" F	G 1 1/2" F	Rp 1/2"	1	17886

* For larger, more powerful systems please contact Flamco.

Advantages

- Automatically performs volumetric control and automatic topping-up during the heating or cooling cycles.
- Integrated turbo degassing allows for very rapid degassing.
- The degassing function allows for continuous degassing if desired.
- The user-friendly control unit displays all operating and error conditions in a comprehensible and convenient way.
- Advanced technology ensures low power consumption, long service life and easy maintenance.
- Operating modes: single (mono), automatic change-over or load dependent (duo) and combined operation.
- Microprocessor control, self-learning, with graphical display and RS 485 interface.

- 20 languages can be selected in the menu of the SPC controller (eg: D, GB, NL and F).
Due to the hydraulic design of the Flamcomat G3 and the connection sets the vessel can be positioned anywhere around the Flamcomat.
- Beams are fitted to the Flamcomat G3 for protection of components and easy transport into hard to reach places.
- The position of the second pump on a double pump Flamcomat G3 can be positioned on either side of the Flamcomat.
- The Flamcomat G3 pump units require approximately 50% less surface area compared to the previous model.
- Deaeration modes: fast, normal or off.

Technical information

- Maximum system pressure: 6, 10 and 16 bar.
- Working temperature: 3 °C / 70 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Machinery Directive 2006/42/EC.

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