Flamco

Product Data Sheet (2021-04-07)

LogoMatic G2 complete stations

The LogoMatic G2 range is a new generation of highly efficient, compact, plug-and-play, decentralised and wall-mounted thermal interface stations which offer electronically controlled hot water preparation, in line with the latest standards of hygiene, and space heating. Courtesy of its adjustable primary volume flow rate and the associated primary energy capability, the LogoMatic G2 uses the minimum amount of energy required in hot water preparation; depending on the primary network conditions, it can further reduce the return line temperatures, thereby improving the network efficiency of the system as a whole. Also built into the system is adaptive hot water priority, automatic switching to increase customer comfort.




Type	Version		Type of heating	DHW-C	Type of heat exchanger	Type of mounting			DHW performance [l/min. / kW]			###	Order Code
	Line	CS				F	S	SI	2.1	2.2	2.3		
LogoMatic G2	M-Line	✓	UC		CU			✓	16/39	17/42	17/47	1	M11114.1HKAP
LogoMatic G2	M-Line	✓	UC		CU	✓			16/39	17/42	17/47	1	M11114.1HKUP
LogoMatic G2	M-Line	✓	6MC		CU			✓	16/39	17/42	17/47	1	M11114.61MKAP
LogoMatic G2	M-Line	✓	6MC		CU	✓			16/39	17/42	17/47	1	M11114.61MKUP
LogoMatic G2	M-Line	✓	8MC-UC		CU			✓	16/39	17/42	17/47	1	M11114.81MKAP
LogoMatic G2	M-Line	✓	8MC-UC		CU	✓			16/39	17/42	17/47	1	M11114.81MKUP
LogoMatic G2	M-Line	✓	UC		SX			✓	16/39	17/42	17/47	1	M11114.1HKAPSX
LogoMatic G2	M-Line	✓	UC		SX	✓			16/39	17/42	17/47	1	M11114.1HKUPSX
LogoMatic G2	M-Line	✓	6MC		SX			✓	16/39	17/42	17/47	1	M11114.61MKAPSX
LogoMatic G2	M-Line	✓	6MC		SX	✓			16/39	17/42	17/47	1	M11114.61MKUPSX
LogoMatic G2	M-Line	✓	8MC-UC		SX			✓	16/39	17/42	17/47	1	M11114.81MKAPSX
LogoMatic G2	M-Line	✓	8MC-UC		SX	✓			16/39	17/42	17/47	1	M11114.81MKUPSX

CS = complete stations, UC = unmixed heating circuit, MC = mixed heating circuit, F = flush mounting version, S = surface mounting version, SI = surface mounting version for a insulated case / cover, DHWC = domenstic hot water circulation, CU = cooper soldered plate heat exchanger, SX = sealed cooper soldered plate heat exchanger

2.1 Defined at a prim. flow temp. of 55°C and a DHW temperature increase of 35 K.

2.2 Defined at a prim. flow temp. of 65°C and a DHW temperature increase of 40 K.

2.3 Defined at a prim. flow temp. of 65°C and a DHW temperature increase of 35 K.
Note: all illustrations are similar to real design. It is possible that the equipment and scope of delivery may vary. The scope of delivery are defined in the product description.

Advantages

The LogoMatic Comfort series offers 3 different output classes:
- The S-Line.
- The M-Line.
- The L-Line.

Each output class is offered as follows:
- As a ready-to-use thermal interface station with a wide choice of complementary products.
- With the supply of an unmixed heating circuit (UC) for radiator heating systems, a mixed circuit (MC) for underfloor heating systems or combined for both types of heating system (MC-UC).
- With or without domestic hot water circulation (DHW-C).
- With a simple copper-brazed (CU) or sealed (SX) plate heat exchanger.
- As a possible station for flush-mounted installation (F) by means of a coated steel housing or for surface use (SI) by means of a fully insulated housing including white designer front panel.

Additional features:
- The LogoMatic G2 M-Line is also available as a complete thermal interface station including various complementary products such as a ball valve connection set, a surface- or flush-mounted installation housing and, depending on the type, a suitable flush-mounted manifold!
- Available as a surface-mounted or “invisible”, space-saving flush-mounted version (from a depth of 110 mm, meaning that integration into lightweight walls is also possible).
- State of the art thanks to electronic control (APP control* possible).
- Highly efficient by virtue of its construction, type of control system and full EPP insulation.
- For indirect hot water preparation & direct heat supply.
- A high level of comfort thanks to the station’s adjustable primary heat retention function (not via the heat exchanger and measurement circuit of the hot water meter).
- Optional wireless consumption monitoring using an insulation housing with wireless transmission (available to order).
- No sensitive moving parts in the domestic water supply for optimised operation with a long service life.
- Optional thermal separation of the cold water connections to reduce the influence of heat on the cold water (in the case of the use of insulation housings).
- Differential-pressure-controlled primary circuit for secondary heating.

Control function:
- Automatic receipt of a commissioning log with setting values displayed as a CSV file.
- Domestic water circulation with various setting and duration options.
- Hot water circuit can be switched into disinfection mode (only when domestic hot water circulation is in use).
- Adjustable hot water temperatures (30-60°C).
- Frost protection function.
- Profile function (floor screed heating function).
- Heat demand via reference room control (ON/OFF via a potential-free contact).
- Heat demand via weather-dependent heating circulation control.
- Heating control via fixed value control.
- Alarm and fault output.
- Data communication by Mod-Bus (in planning).
- Domestic water circulation with various setting and duration options.
- Control by APP* and connection via Bluetooth for ease of commissioning using commissioning assistant, for firmware updates, etc.

Can be combined with:
- Various underfloor manifolds from 3 to 12 mixing circuits.
- When using mixed circuits, it can be combined with another unmixed heating circuit for the supply of e.g. a towel radiator with a higher primary temperature.

- Various painted steel housings as surface-mounted and flush-mounted versions as well as fully insulated surface-mounted housing with white design front panel.
- Mounting rails to support during the installation phase and final assembly.
- Simple ball valve connection sets.
- Various consumption records for cold water and thermal energy (heat meter).
- Pre-wiring concepts for the pre-wiring of underfloor manifolds, terminal strips, etc.

*For control by APP and generation of the interface between the terminal device and the LogoMatic G2, the terminal device must satisfy the following requirements
- iOS firmware version 12 or higher
- Android firmware version 6 or higher
- Possibility of access by the APP to the camera
- Bluetooth 4.0 or Bluetooth LE

All DHW performance data based on various primary flow temperatures and the resulting return temperatures can be found in the attached document 'Performance tables and -diagrams'.

Find more information online:

CAD drawings
Extra documentation

Flamco Limited
Washway Lane
WA10 6PB, St Helens, Merseyside - gb
T +44 17 447 447 44
E info@flamco.co.uk
I flamcogroup.com/uk-en