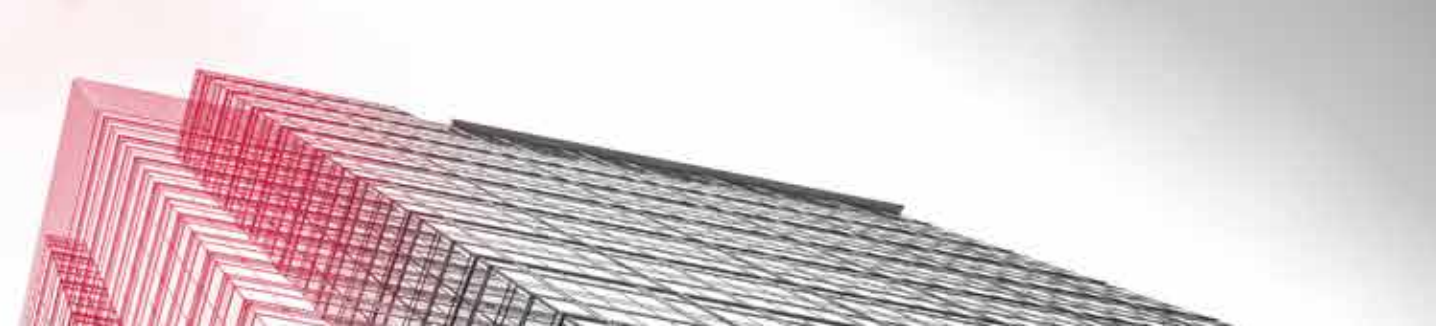# Flamcomat MP G4
Remote

pump-controlled expansion automat, including Flamconnect Remote

incl.
3
years
Flamconnect
Remote
for free

that's excellence.

Flamcomat
G4 Remote

hydronic flow
control
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Flamcomat MP G4 Remote:
the smartest expansion automat

Flamcomat MP G4 Expansion automats are high-quality pump-controlled, low-maintenance devices for efficiently absorbing pressure differences in heating and cooling installations. The Flamcomat MP G4 Remote is factory-fitted with a pre-assembled gateway and comes with 3 years of free Flamconnect Remote. The functioning of the machine can be viewed in real time 24/7 via the well-arranged Flamconnect Portal. Numerous parameters can be read in the portal, such as system pressure and temperature, vessel volume and energy consumption. Warnings and error messages are also displayed. With Flamconnect Remote you can remotely view and optimize system settings, perform maintenance, remedy faults and reduce service costs.

The 5 most important advantages at a glance

1. **Connectivity:** the Flamcomat MP G4 Remote has a pre-assembled gateway that allows you to use the many advantages of Flamconnect Remote. With this service you can remotely monitor system performance, adjust system settings and resolve malfunctions. Thanks to the Flextronic Controller, you can easily connect the Flamcomat expansion automat to the most common building management systems.

2. **Smart Co-Operation mode:** the Flamcomat MP G4 Remote can be used in a Co-Operation configuration of 2 - 10 devices that operate on a load-dependent basis. For example, if you want to increase (scale up) the capacity of the installation or if you want to make a system redundant. Combinations of all types and models of the Flamcomat MP G4 are possible.

3. **Floating master:** the unique feature of the Flamcomat MP G4 Remote is that every machine in the network can take over the function of the virtual master without interrupting the pressure maintenance of the system.

4. **Automatic temperature protection:** when the system temperature exceeds 110 °C, there is a danger of overheating. The Flamcomat MP G4 Remote automatically switches off at that temperature limit and gives a potential free signal to interrupt the central heating installation. To use the Flamcomat in systems > 110°C, a temperature limiter and a minimum pressure limiter are required. These are available as a set (Part. No. 17504).

5. **Dynamic control (balancing):** if you have a machine with double pumps and valves (Flamcomat MP G4 D), you can use balancing. This function ensures that the running time of the components is automatically distributed evenly. By loading them optimally, you prevent them from jamming or deteriorating due to inactivity. Double pump versions are mainly used when extra capacity or backup is required.

Other benefits

- Both the initial filling of the vessel and the system are automatic. When commissioning, the vessel automatically fills with the minimum amount of water required to prevent the pump from running dry. This new function provides you with extra ease of installation and operational reliability.
- Thanks to the hydraulic design and connections, the vessel can be placed anywhere near the Flamcomat MP G4 Remote.
- Freely programmable control.
- The Flamcomat MP G4 Remote is equipped with supports to protect parts and to easily transport the machine to hard-to-reach places.
- The second pump of a double pump version can be placed on either side of the Flamcomat MP G4.
- The Flamcomat MP G4 Remote requires approximately 50% less floor space.
- Including clock timer.

Flamconnect Remote

Fault reports, diagnose and adjust remotely

The Flamcomat MP G4 Remote comes with a free 3-year Flamconnect Remote. This allows you to remotely adjust and adjust machine settings via the Flamconnect Portal, for example. As a result, service visits can sometimes be resolved completely digitally and remotely.

Flamconnect Remote	
Warning notifications	notifications via e-mail, telephone, or via the Flamconnect Portal
Continuous monitoring	✓
Diagnostic information	✓
Adjust settings remotely	✓
Check (historical) telemetry	✓
Predictive alert notifications	✓
Advice: replace parts	✓
Possibility of system optimization	✓
Data frequency	Real time

Single pump versions

Flamcomat MP G4 M02

Flamcomat MP G4 M60

Double pump versions

Flamcomat MP G4 D10

Flamcomat MP G4 D60

Versions

- Available in a heat output class between 100 and 10,000 kW and therefore suitable for use in medium-sized and large closed central heating, cooling and air-conditioning installations in accordance with EN 12828 in, for example, hospitals, schools, apartment and office buildings.
- In mono version type MM to M130, or as a double pump installation DM to D130.
- Flamcomat = pump control + vessel(s) + backflow protection.

| Type | Performance | For heat power [kW] | Workload [bar] | Dimensions L x W x H [mm] | Connections | | | Art. No. |
					to barrel	to system	water pipe	
MM/G4	Single pump	100 - 200	1,2 - 3,0	530 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17940
M02/G4	Single pump	500 - 2.300	1,2 - 3,5	530 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17943
M10/G4	Single pump	900 - 4.700	2,0 - 5,0	530 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17944
M20/G4	Single pump	1.600 - 8.400	2,0 - 5,0	570 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17945
M60/G4	Single pump	1.400 - 4.700	3,5 - 8,5	550 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17946
M80/G4	Single pump	1.400 - 4.900	4,7 - 10,2	550 x 230 x 930	G 1" M	G 1 1.4" F	Rp ½"	17947
M100/G4	Single pump	1.300 - 5.200	5,9 - 14,1	550 x 230 x 1000	G 1" M	G 1 1.4" F	Rp ½"	17884
M130/G4	Single pump	3.300 - 5.300	8,0 - 14,4	610 x 230 x 1190	G 1" M	G 1 1.4" F	Rp ½"	17886
DM/G4	Double pump	100 - 400	1,2 - 3,0	530 x 230 x 970	G 1" M	G 1 1.4" F	Rp ½"	17948
D02 / G4	Double pump	500 - 4.400	1,2 - 3,5	600 x 480 x 970	G 1" M	G 1 1.4" F	Rp ½"	17949
D10/G4	Double pump	900 - 9.200	2,0 - 5,0	600 x 480 x 970	G 1" M	G 1 1.4" F	Rp ½"	17950
D20/G4	Double pump	1.600 - 10.000	2,0 - 5,0	600 x 480 x 970	G 1" M	G 1 1.4" F	Rp ½"	17951
D60/G4	Double pump	1.400 - 9.400	3,5 - 8,5	600 x 480 x 970	G 1" M	G 1 1.4" F	Rp ½"	17952
D80/G4	Double pump	1.400 - 9.400	4,7 - 10,2	600 x 480 x 980	G 1" M	G 1 1.4" F	Rp ½"	17953
D100/G4	Double pump	1.300 - 10.000	5,9 - 14,1	600 x 480 x 1000	G 1" M	G 1 1.4" F	Rp ½"	17885
D130/G4	Double pump	3.300 - 10.000	8,0 - 14,4	600 x 480 x 1190	G 1" M	G 1 1.4" F	Rp ½"	17887

Aalberts hydronic flow control

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