



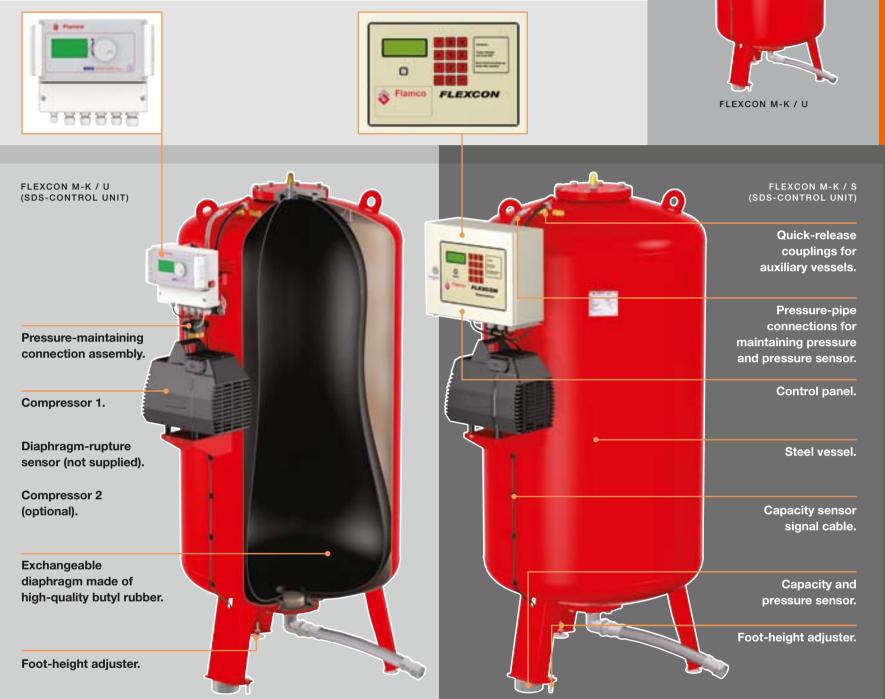
Flamco Flexcon® M-K, the powerful compressor expan

The complete microprocessor-controlled control unit of the Flexcon M-K expansion automat has a number of freely- programmable working variables. Typical of the Flexcon M-K are the reliability and sturdiness. Due the range of versions and optional extras, the automats have a use in countless different installations. The automats are fitted with low-noise, oil-free compressors which require no special maintenance.



sion automat

Flexcon M-K automats consist of a steel vessel with exchangeable diaphragm made of butyl rubber and a control unit with compressor. They are used for storing expansion volume in closed heating, cooling and air-conditioning installations. A Flexvent Super floatvent is optional.



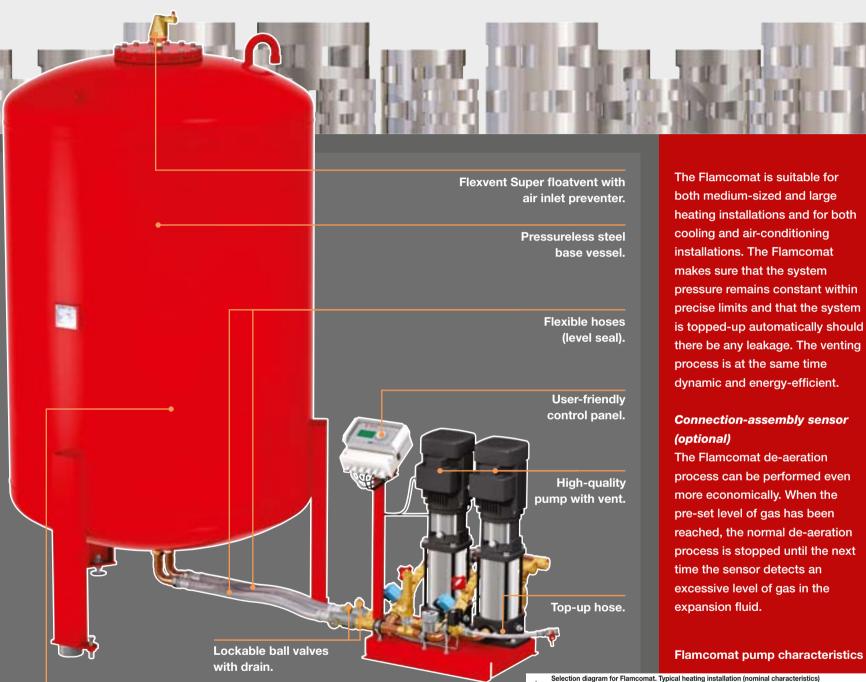
The graphic display on the SDS and SCU control units clearly shows the user what the set parameters are, what the appliance is doing and what the current vessel capacity and system pressure are.

The Flexcon M-K compressor expansion automats absorb the expansion water in the installation. They also keep the pre-set system pressure at a constant level within precise limits. Water and compressed air are separated from each other by an exchangeable diaphragm made of high-quality butyl rubber, which is known for its low gas permeability.



Tomorrow's technology in the Flamcomat® of

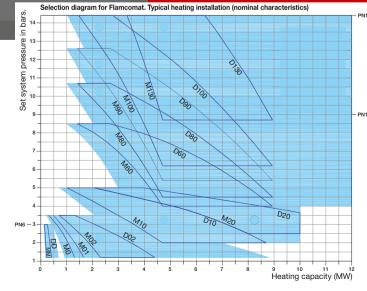
The Flamcomat is a modern, pump-driven pressure-expansion automat which you can easily install and operate yourself. Thanks to its sophisticated construction, we have made it possible to incorporate lots of important functions into one compact unit.



ADVANTAGES:

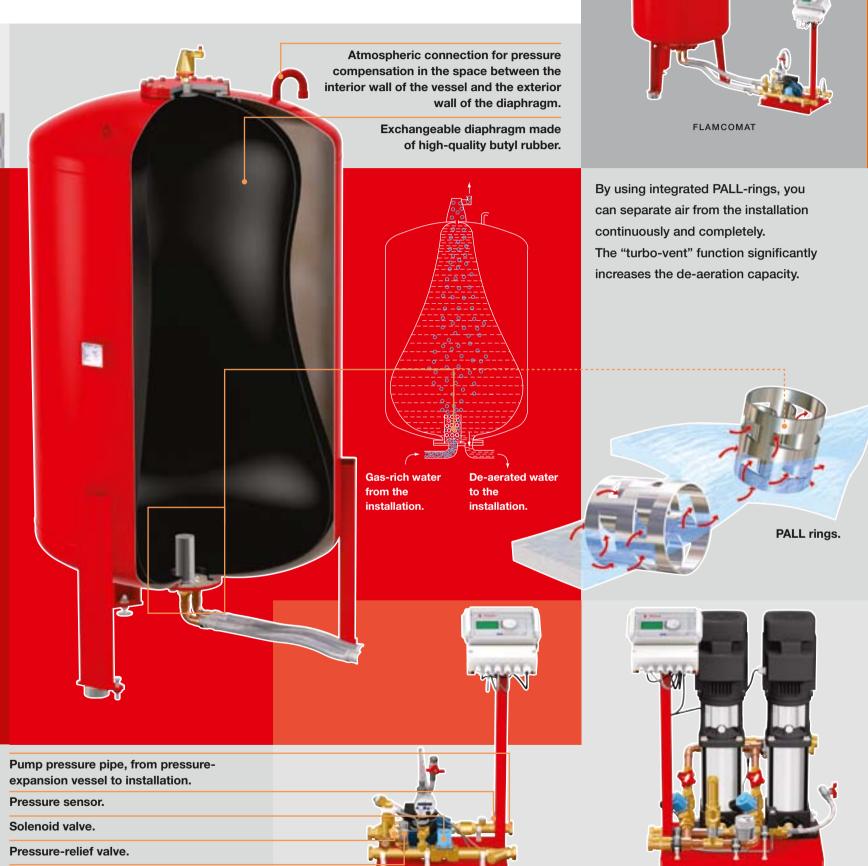
- The Flamcomat combines pressure-control, dynamic bleeding and topping-up in one.
- Choice of pump modules in both single and double versions.
- Excellent, proven de-aeration properties, see also PDF file on CD with the conclusions of tests carried out by the independent WL / Delft Hydraulics.
- Expansion fluid is stored in a vacuum in an interchangeable butyl-rubber 'bellows' type diaphragm.
- Use of patented PALL-rings to separate micro-airbubbles from the system.

Tables with types and technical information: page 2.14.



today

The Flamcomat consists of a ready-to-use pump unit and a pressureless base vessel. This pressure-expansion system can be developed with accessories from our extensive range. In this way, you can tailor your system precisely to the needs of your situation.



The Flamcomat is a multi-faceted expansion automat with excellent technical performance. The Flamcomat's de-aeration capacity does not depend on the circulation speed or pressure in the system. When fitting an installation with significant differences between summer and winter operation, we recommend use of a doublepump (load-dependent) Flamcomat pump automat. You will find the complete installation instruction on the CD.

Sealable filler/drain valve.



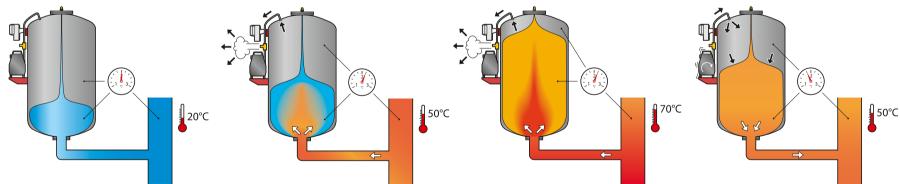
Position and operating principle of the Flamco

Just as for the standard diaphragm pressure expansion tank, it is important to choose the right place in the installation for an expansion vessel. The vessel should be connected to the installation somewhere where no pressure is exerted on it. This is normally before the circulation pump or next to the balance bottle, because the pressure here is least influenced by installation components.



* Local regulations may differ.





Cold

The compressor has a small amount of water in it.

Warming up

When heat is applied to the water, it expands; this has implications for the system pressure, which increases as well. The compressor responds to this by releasing air and, as a result, the expansion water flows into the vessel.

Operation at maximum capacity

By storing increasing amounts of water in the vessel the compressor can keep the system pressure more or less constant. When the system has warmed up completely, the vessel will be almost full to capacity.

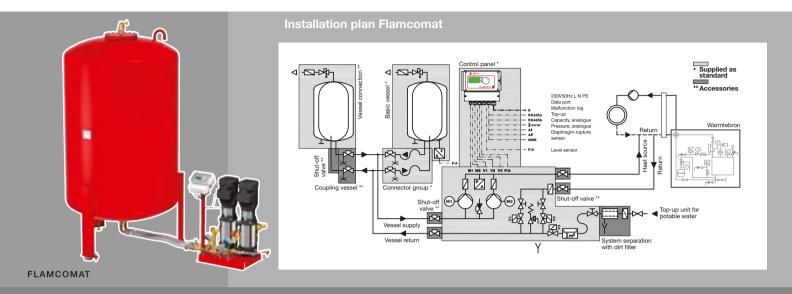
Cooling down

When the volume of water and thus the system pressure decreases, the compressor will respond by trying to displace the water in the system with air. This restores equilibrium in the system pressure.

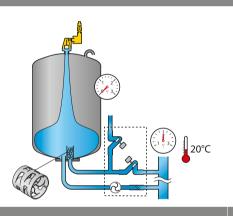
expansion vessel in the installation

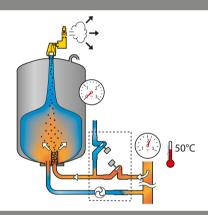
De-aeration, small repairs or losses caused by leakage make the automatic top-up of water absolutely essential. This feature is integrated in the Flamcomat, while Flamco offers a range of components for the Flexcon M-K system to regulate this safely.

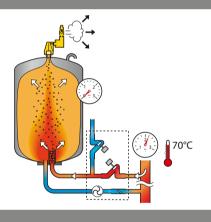
It's impossible to sum up 30 years of knowhow of expansion systems in just a few words...

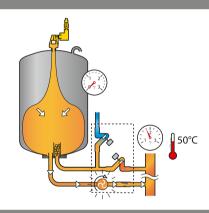


How the Flamcomat pump vessel works









Cold

The pump has a small amount of water in it. The pump is now at rest.

Warming up

The volume of water, and thus the system pressure, increases. The pump responds to this by opening the valve. Water flows into the vessel, which is not at pressure. The water in the vessel is de-aerated due to both the fall in pressure and the presence of the PALL rings at the bottom of the vessel.

Operation at maximum capacity

By storing increasing amounts of water in the vessel the pump can keep the system pressure more or less constant. When the system has warmed up completely, the vessel will be almost full to capacity.

Cooling down

The volume of water, and thus the system pressure, decreases. The pump pumps the de-aerated water from the pressureless vessel back into the system. This restores equilibrium in the system pressure.

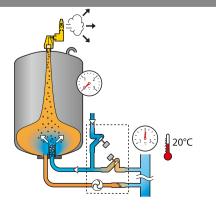
ON THE FLAMCO CD YOU WILL FIND:

- This brochure as PDF file.
- The Flexcon calculation programme.
- DWF files.
- CAD symbols.



Topping-up

When too much water is lost from the vessel, i.e. the water level becomes critical, the appropriate amount of water will be pumped back in. This water will be deaerated (by pressure loss and the PALL rings), before being pumped into the vessel.





Independently operating top-up devices, or top-up devices triggered by external signals

The Flamco-Fill and the Flexfiller top-up devices ensure minimum pressure in a sealed heating or cooling water system, and top the system up as necessary when the pressure falls below a certain level. The topping up takes place at regular, adjustable intervals, so that the system can never be over-filled. If the top-up device is combined with an expansion vessel, then the latter monitors the pressure, while the top-up device receives commands from the expansion vessel based on the water level in the appliance. The current generation of Flamco-Fill and Flexfiller top-up devices is suitable for both methods of operation.



Control unit.

Water meter.

Drain.

Header tank with float valve; equipped with overflow and dryrunning alarm. Pressure sensor (standard).

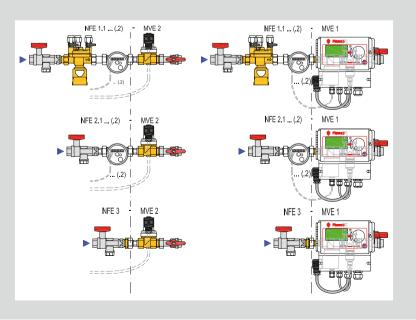
Safeguard to prevent dry-running.

> Constant-output bumb.

The Flamco-Fill prevents admission of air and thus stops installation malfunctions and corrosion. The control unit is built in to an IP 44 synthetic housing. The Flamco-Fill is mounted to the wall. The connection to the expansion automat is as detailed in the installation instructions.

- The Flamco-Fill meets all requirements for potable water supply.
- All models have a water meter for monitoring the amount of water topped up.
- Any malfunctions will result in a visible alarm and may be made visible automatically in the malfunction log, even via remote control (potential-free socket).

Possible combinations Flamco-Fill



Installation plan Flamco-Fill PE - Flexcon M



The ENA vacuum de-aeration and top-up devices are now included in the ventilation section, because their primary function is to remove gas from the system.

Tables with types and technical information: page 2.13.





Flamco has given the top-up devices range a modular structure due to the range of requirements and preferences found across Europe. The benefit to you is that you do not have to install more than is necessary for your installation to work properly. The top-up systems with the MVE 1 control unit work independently. They control the minimum system pressure and add more water in a controlled way as required. All other combinations require an external top-up command unit (230V- 1ph) to control them.

ADVANTAGES:

- The modular setup means you only install what is needed and required.
- Simple assembly, can be installed in the water pipe.
- Components approved for most European countries.
- MVE1 controller has a graphic display on which all functions can be read, programmed and controlled.
- Optional standard water meter (version x.1) or with pulsed output (version x.2).







All top-up systems with a water meter can be fitted with an impulse water meter, so that the top-up quantity can be read out via the control unit (MVE1) or remotely





Flexcon M-K / U compressor expansion automats

- The Flexcon M-K version with SDS control unit is called Flexcon M-K/U.
- All Flexcon M-K automats consist of a steel base vessel, an exchangeable diaphragm made of butyl rubber, a control unit with control panel, height-adjustable feet and an oil-free compressor.
- 🔷 All Flexcon M-K expansion automats are supplied complete and ready for connection.
- The Flexcon M-K auxiliary vessel does not have a control unit or compressor.
- If an auxiliary vessel is to be connected, it must be equivalent to the base vessel.
- Air-side connections between the base vessel and the auxiliary vessel must be made with a high-pressure hose. Quick-release couplings are in evidence. Water-side connections must be made in situ.

Versions and dimensions Flexcon M-K / U 6 and 10 bar

Туре	Capacity in	Di	Dimensions in mm			Com- pressor	System conn. (int.)	Weight in kg		Code number	
	litres	ØD	H	C	Ød		ISO 228-1	6 bar	10 bar	6 bar	10 bar
Flexcon M-K / U 400	400	750	1385	185	620	K-011	11/4"	165	210	23824	23864
Flexcon M-K / U 600	600	750	1805	185	620	K-011	11/4"	195	250	23826	23866
Flexcon M-K / U 800	800	750	2205	185	620	K-031	11/4"	230	300	23828	23868
Flexcon M-K / U 1000	1000	750	2760	185	620	K-031	11/2"	265	340	23830	23870
Flexcon M-K / U 1200	1200	1000	1990	175	850	K-031	11/2"	325	450	23832	23872
Flexcon M-K / U 1600	1600	1000	2490	175	850	K-031	11/2"	380	525	23836	23876
Flexcon M-K / U 2000	2000	1200	2230	175	1050	K-031	2"	465	640	23840	23880
Flexcon M-K / U 2800	2800	1200	2830	175	1050	K-031	21/2"	550	765	23848	23888
Flexcon M-K / U 3500	3500	1200	3630	175	1050	K-031	21/2"	660	940	23855	23895

Versions and dimensions Flexcon M-K auxiliary vessels 6 and 10 bar

Туре	Capacity in			System conn. (int.)	Weight in kg		Code number			
	litres	ØD	Н	C	Ød	ISO 228-1	6 bar	10 bar	6 bar	10 bar
Flexcon M-K 400	400	750	1385	185	620	11/4"	130	175	22040	22070
Flexcon M-K 600	600	750	1805	185	620	11/4"	160	215	22041	22071
Flexcon M-K 800	800	750	2205	185	620	11/4"	195	265	22042	22072
Flexcon M-K 1000	1000	750	2760	185	620	11/2"	230	305	22043	22073
Flexcon M-K 1200	1200	1000	1990	175	850	11/2"	290	415	22044	22074
Flexcon M-K 1600	1600	1000	2490	175	850	11/2"	345	490	22045	22075
Flexcon M-K 2000	2000	1200	2230	175	1050	2"	430	605	22046	22076
Flexcon M-K 2800	2800	1200	2830	175	1050	21/2"	515	730	22048	22078
Flexcon M-K 3500	3500	1200	3630	175	1050	21/2"	625	905	22047	22077

Second compressor unit

Туре	Suitable for	Code number
Compressor K 011	Flexcon M-K / S and Flexcon M-K / U	23618
Compressor K 031	Flexcon M-K / S and Flexcon M-K / U	23620
Compressor K 04	Flexcon M-K / S and Flexcon M-K / U	23621

The second compressor unit is fitted on a second support bracket on the expansion automat. The compressors have to be of the same type. Complete delivery and ready for connection.

Air-side connection between base vessel and auxiliary vessel

Туре	Suitable for	Code number
High-pressure connection hose		00000
for 2 vessels, max. length 3 m High-pressure connection hose	Flexcon M-K / S and Flexcon M-K / U	22380
for several vessels	Flexcon M-K / S and Flexcon M-K / U	22381

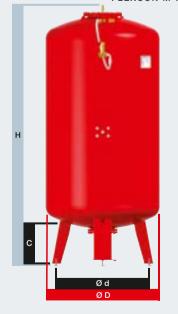
Adapter with flange connection PN 16

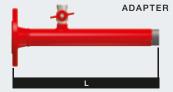
For vessel capacity (litres)	Connection int. PN16		L mm	Suitable for	Code number
400 - 800	11/4"	DN 32	350	Flexcon M-K / S and Flexcon M-K / U	23795
1000 - 1600	11/2"	DN 40	470	Flexcon M-K / S and Flexcon M-K / U	23796
2000 - 2000	2"	DN 50	560	Flexcon M-K / S and Flexcon M-K / U	23797
2800 - 3500	21/2"	DN 65	560	Flexcon M-K / S and Flexcon M-K / U	23798



FLEXCON M-K / U

FLEXCON M-K







Flexcon M-K / S compressor expansion automats

- The Flexcon M-K/S has a freely-programmable control unit for single and multiple use as well as master slave operation.
- 🔷 All Flexcon M-K expansion automats have a connection for a Flamco-Fill top-up automat and remote fault alarm.
- ♦ The maximum diaphragm temperature for all Flexcon M-K automats is 70 °C (343 K) during continuous operation.
- ♦ With the Easycontact (for Flexcon M-K / U and Flexcon M-K / S), six potential-free outlets are available for: pressure too high or too low, capacity too high or low, motor overheated and diaphragm rupture (if installed).

Versions and dimensions Flexcon M-K / S 3 bar

Туре	Capacity in	Dimensions in mm			Compressor	System conn. (int.)	Weight in kg	Code number	
	litres	ØD	H	C	Ød		ISO 228-1	3 bar	3 bar
Flexcon M-K / S 5000	5000	1500	3550	175	1520	K 03	11/2"	980	23559
Flexcon M-K / S 6500	6500	1800	3465	175	1820	K 03	11/2"	1480	23560
Flexcon M-K / S 8000	8000	1900	3565	175	1920	K 03	1 ¹ / ₂ "	1585	23561
Flexcon M-K / S 10000	10000	2000	3985	175	2020	K 03	11/2"	1825	23562

Versions and dimensions Flexcon M-K/S 6 and 10 bar

versions and uninensions riexcon wi-k/3 o and to bar											
Туре	Capacity in	Di	mensio	ns in n	nm	Com- pressor	System conn. (int.)	Wei in	ight ka	Code n	umber
	litres	ØD	H	C	Ød		ISO 228-1	6 bar	10 bar	6 bar	10 bar
Flexcon M-K / S 400	400	750	1385	185	620	K-011	11/4"	156	201	22901	22950
Flexcon M-K / S 400	400	750	1385	185	620	K-031	11/4"	165	210	22903	22952
Flexcon M-K / S 400	400	750	1385	185	620	K-04	11/4"	170	215	22906	22954
Flexcon M-K / S 600	600	750	1805	185	620	K-011	11/4"	186	241	22907	22955
Flexcon M-K / S 600	600	750	1805	185	620	K-031	11/4"	195	250	22909	22957
Flexcon M-K / S 600	600	750	1805	185	620	K-04	11/4"	200	255	22911	22959
Flexcon M-K / S 800	800	750	2205	185	620	K-011	11/4"	221	291	22912	22960
Flexcon M-K / S 800	800	750	2205	185	620	K-031	11/4"	230	300	22914	22962
Flexcon M-K / S 800	800	750	2205	185	620	K-04	11/4"	235	305	22916	22964
Flexcon M-K / S 1000	1000	750	2760	185	620	K-011	11/2"	256	331	22917	22965
Flexcon M-K / S 1000	1000	750	2760	185	620	K-031	11/2"	265	340	22919	22967
Flexcon M-K / S 1000	1000	750	2760	185	620	K-04	11/2"	270	345	22921	22969
Flexcon M-K / S 1200	1200	1000	1990	175	850	K-011	11/2"	316	441	22922	22970
Flexcon M-K / S 1200	1200	1000	1990	175	850	K-031	11/2"	325	450	22924	22972
Flexcon M-K / S 1200	1200	1000	1990	175	850	K-04	11/2"	330	455	22926	22974
Flexcon M-K / S 1600	1600	1000	2490	175	850	K-031	11/2"	380	525	22929	22977
Flexcon M-K / S 1600	1600	1000	2490	175	850	K-04	11/2"	385	530	22931	22979
Flexcon M-K / S 2000	2000	1200	2230	175	1050	K-031	2"	465	640	22934	22982
Flexcon M-K / S 2000	2000	1200	2230	175	1050	K-04	2"	470	645	22936	22984
Flexcon M-K / S 2800	2800	1200	2830	175	1050	K-031	21/2"	550	765	22939	22987
Flexcon M-K / S 2800	2800	1200	2830	175	1050	K-04	21/2"	555	770	22941	22989
Flexcon M-K / S 3500	3500	1200	3630	175	1050	K-031	21/2"	660	940	22944	22992
Flexcon M-K / S 3500	3500	1200	3630	175	1050	K-04	21/2"	665	945	22946	22994

Additional options Flexcon control unit

Туре	Code number
Easycontact	23649
Diaphragm rupture sensor	22386
SDS modules	see page 2.14





Flexcon M-K / C compressor-driven expansion vessels



- Compressor –driven expansion vessels with fixed diaphragm for medium-sized sealed heating and cooling systems.
- HSS steel with the perfect protection and finish in carmine red gloss (RAL 3002) epoxy powder coating.
- Suitable for glycol-based anti-freeze supplements (up to 50%). Details available on request.
- Max. operating pressure: 6.0 bar.
- Max. temperature (vessel): 120 °C (393 K). Max. operating temperature (diaphragm): 70 °C (343 K) (DIN 4807/3). Max. supply temperature (boiler): 90 °C (363 K).
- Compliant with the Pressure Equipment Directive (97/23/EC).

Versions and dimensions Flexcon M-K / C

Туре	Capacity litres	Max. permissible operating pressure: bar	Max. permissible operating temperature: °C	Max. permissible temperature in continuous operation °C
Flexcon M-K / C 110	110	6	120	70
Flexcon M-K / C 200	200	6	120	70
Flexcon M-K / C 350	350	6	120	70
Flexcon M-K / C 425	425	6	120	70

Versions and dimensions Flexcon M-K / C

Туре	Dimensions in mm						Threaded connection: DIN ISO 228-1	Weight	Code number
	Ø D	Ød	H1	H 2	H 3	В	(internal thread)	in kg	
Flexcon M-K / C 110	484	360	1160	1235	925	518	G 1" DN 25	39	23225
Flexcon M-K / C 200	600	450	1335	1410	1100	-	G 1" DN 25	73	23226
Flexcon M-K / C 350	790	610	1400	1475	1170	-	G 1" DN 25	83	23227
Flexcon M-K / C 425	790	610	1555	1630	1320	-	G 1" DN 25	93	23228









Top-up devices

- ♦ NFE 1.1. and 1.2 top-up units comprise a vacuum break type BA, water meter (1.1) / impulse water meter (1.2), dirt trap, ball valve and non-return valve.
- NFE 2.1 and 2.2 top-up unit with water meter, dirt trap, ball valve and non-return valve.
- MVE 1 comprises a digital control unit, solenoid valve, pressure sensor and ball valve. MVE 2 comprises a ball valve and a solenoid valve.
- Flamco-Fill PE comprises a digital control unit with an atmospheric reserve tank integrated in a box (protection type AB), a pressure sensor and a pump in order for the top-up water to pressurise the system.
- Flexfiller glycol top-up unit with two tanks (one for water and one for glycol) and two pumps with a maximum operating pressure of 2.5 bars.

Versions and dimensions NFE

Туре	Dimensions L	Connec	tion to	Weight	Code number
	(mm)	Water supply	System	in kg	
NFE 1.1	355	Rp 1/2"	G ³ / ₄ "	3	23780
NFE 1.2	355	Rp 1/2"	G 3/4"	3	23781
NFE 2.1	200	Rp ¹ / ₂ "	G ³ / ₄ "	2	23782
NFE 2.2	200	Rp 1/2"	G 3/4"	2	23783
NFE 3	130	Rp 1/2"	G ³ / ₄ "	0.5	23784

Versions and dimensions MVE

Туре	Dimensions L	Conne	ction to	Weight	Code number						
	(mm)	Water supply	System	in kg							
MVE 1	300	G 3/4"	Rp 1/2"	9	23785						
MVE 2	175	G 3/4"	Rp 1/2"	2	23786						

Versions and dimensions Flamco-Fill

Туре	Dimensions			Connec	ction to	Weight	Code
	L (mm)	D (mm)	H (mm)	Water supply	System	in kg	number
Flamco-Fill PE	400	320	495	1/2"	1/2"	25	23757
Flamco-Fill STU	550	150	100	Rp 1/2"	Rp 1/2"	9	23751

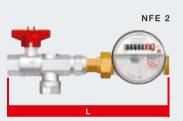
Versions and dimensions Flexfiller

Туре	Pump set	Dimensions L B H		Connection BSP	Weight	Code number	
		(mm)	(mm)	(mm)	(ext.)	in kg	
Flexfiller 125 D	125 D	470	320	780	1/2"	28	17395
Flexfiller 150 D	150 D	470	320	780	1/2"	28	17396
Flexfiller 225 D	225 D	470	320	780	1/2"	30	17397
Flexfiller 250 D	250 D	470	320	780	1/2"	30	17398
Flexfiller 280 D	280 D	680	730	1590	1/2"	170	17399
Flexfiller Mini 130 D	130 D	245	155	485	1/4"	6	17455
Flexfiller Mini 230 D	230 D	245	155	485	1/4"	6.2	17456
Flexfiller Glycol 225DG		680	680	1200	1/2"	80	17390



NFE 1

NFE 3





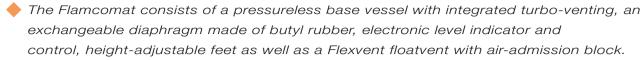








Flamcomat pump expansion automats and pump units



- The Flamcomat combines three important functions: pressure control, dynamic venting and topping-up.
- 🔷 Max. installation pressure: 10 bar; max. system working pressure 8.5 bar.
- Max. diaphragm temperature: 70 °C (343 K) at continuous operation.
- Pump units completely assembled and ready for operation.
- Freely-programmable control unit, made up of a power section and a control section.

Versions and dimensions Flamcomat GB (base vessels) and BB (auxiliary) vessels

Туре	Capacity in litres	Dimensio ØD	ons in mm H	Conn. (ext.)	Weight in kg	Code n GB	umber BB
Flamcomat 150	150	550	1350	G 1 ¹ / ₂ "	55	17710	17760
Flamcomat 200	200	550	1530	G 1 ¹ / ₂ "	70	17711	17761
Flamcomat 300	300	550	2030	G 1 ¹ / ₂ "	90	17712	17762
Flamcomat 400	400	750	1535	G 1 ¹ / ₂ "	130	17713	17763
Flamcomat 600	600	750	1955	G 1 ¹ / ₂ "	160	17714	17764
Flamcomat 800	800	750	2355	G 1 ¹ / ₂ "	195	17715	17765
Flamcomat 1000	1000	750	2855	G 1 ¹ / ₂ "	226	17716	17766
Flamcomat 1000	1000	1000	1915	G 11/2"	261	17726	17776
Flamcomat 1200	1200	1000	2210	G 1 ¹ / ₂ "	290	17717	17767
Flamcomat 1600	1600	1000	2710	G 11/2"	345	17718	17768
Flamcomat 2000	2000	1200	2440	G 1 ¹ / ₂ "	430	17719	17769
Flamcomat 2800	2800	1200	3040	G 11/2"	515	17720	17770
Flamcomat 3500	3500	1200	3840	G 1 ¹ / ₂ "	625	17721	17771
Flamcomat 5000	5000	1500	3570	G 1 ¹ / ₂ "	1240	17722	17772
Flamcomat 6500	6500	1800	3500	G 11/2"	1710	17723	17773
Flamcomat 8000	8000	1900	3650	G 1 ¹ / ₂ "	1830	17724	17774
Flamcomat 10000	10000	2000	4050	G 1 ¹ / ₂ "	2025	17725	17775

Versions and dimensions pump units

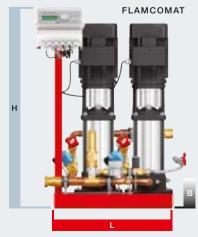
Туре	Max. work.	For max. heating capacity	Dime	nsions i	n mm		Connection internal thread		Weight	Code number
	bar	kW	L	В	Н			To water supply	in kg	Hambor
ММ	3	134 - 215	420	330	660	1″	3/4"	1/2"	12	17880
M 0	3.5	300 - 1300	440	330	890	11/4"	1″	11/2"	15	17786
M 02	3.5	700 - 2300	440	330	890	11/4"	1"	1/2"	17	17789
M 10	5	1000 - 4700	460	380	890	11/4"	1″	1/2"	20	17780
M 20	5	2100 - 8000	460	380	890	11/4"	1″	1/2"	23	17781
M 60	8.5	1400 - 4700	410	410	915	11/2"	11/4"	1/2"	40	17784
M 80	10.7	1400 - 4700	570	490	950	11/2"	11/4"	1/2"	50	17882
M 100	14.4	1400 - 4700	570	490	1000	11/2"	11/4"	1/2"	54	17884
M 130	14.4	3300 - 4700	570	490	1200	11/2"	11/4"	1/2"	62	17886
DM	3	134 - 409	380	340	660	1"	3/4"	1/2"	14	17881
D 02	3.5	700 - 4400	590	500	890	11/2"	11/4"	1/2"	32	17788
D 10	5	1000 - 8700	590	500	890	11/2"	11/4"	1/2"	34	17782
D 20	5	2100 - 10000	590	500	890	11/2"	11/4"	1/2"	40	17783
D 60	8.5	1400 - 9000	560	410	915	11/2"	11/4"	1/2"	75	17785
D 80	10.7	1400 - 9000	660	490	950	11/2"	11/4"	1/2"	90	17883
D 100	14.4	1400 - 9000	660	490	1000	11/2"	11/4"	1/2"	95	17885
D 130	14.4	3300 - 9000	660	490	1200	11/2"	11/4"	1/2"	115	17887

SDS modules

Туре	Description	Suita	able for	Code number
		Flexcon M-K / U	Flamcomat	
SDS module 31	Remote reading		•	17793
SDS module 32	Clock with weekly cycle	•	•	17790
SDS module 33	Analogue signalling for			
	capacity and pressure	•	•	17792
SDS module 34	Diaphragm rupture sensor intern	•	•	17791
SDS module 34	Diaphragm rupture senso extern			22386
SDS module 40	RS485 – LONWORKS			
	interface converter	•	•	17795
SDS module 42	Remote reading	•	•	17797
SDS module 43	Analoge / GSM coupler	•	•	17798
SDS module 45	PE contact, for connecting			
	a Flamco-Fill top-up automat			
	or ENA vacuum de-aeration			
	and top-up automat	•		17794
Easycontact		•	•	23649







Flamcomat accessories

- ◆ A Flamcomat unit consists of a base vessel and eventually an auxiliary vessel, plus a SDS module, pump unit, rotating vessel connection and eventual other accessories.
- Switch module and connectors with rotatable connection, sealed. Non-return valve incl. dirt trap and seal.

Vessel connections, sealed

Type -	Connec	ction to	Weight	Code number
	vessel (int.)	control unit (ext.)	in kg	
Vessel connection type 5	11/2"	11/4"	0.5	17730
Vessel connection type 6	11/2"	11/2"	0.5	17731

Ball cock with blow-off valve

Туре	Connection	For pump unit	Weight in kg	Code number
Ball cock with blow-off valve DN 20	3/4"	D 02, D 10, D 20, M 60, D 60	0.5	17734
Ball cock with blow-off valve DN 25	1" ext.	MM, DM	0.5	17737
Ball cock with blow-off valve DN 30	11/4" ext.	M 0, M 01, M 10, M 20	0.5	17738

System divider

Туре	Connection	Weight in kg	Code number
System divider type BA	1/2" int 1/2" ext.	0.6	17736

Switch modules

Туре	Capacity litres	Dimensio Ø D	ns in mm H	Connection	Weight in kg	Code number
Switch module M	18	286	600	11/2"	8.5	17732
Switch module D	18	286	600	11/4"	10	17733

Water meter with pulse port

mator motor with	paroo port
	Code number
Water meter with pulse port	17739

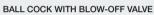
Flexible connections

Туре		cation			Weight	Code number
	Control	Capacity	Vessel	Control	in kg	
Flexible connection 1	MM, DM	150 - 1600	G 1 ¹ / ₂ "	G 1"	2.5	17841
Flexible connection 2	MM, DM	2000 - 10000	G 1 ¹ / ₂ "	G 1"	3.0	17842
Flexible connection 3	M 0, M 20	150 - 1600	G 11/2"	G 11/4"	3.5	17741
Flexible connection 4	M 0, M 20	2000 - 10000	G 11/2"	G 11/4"	4.0	17742
Flexible connection 5	M 60, D 02-60	150 - 1600	G 11/2"	G 1 ¹ / ₂ "	5.0	17755
Flexible connection 6	M 60, D 02-60	2000 - 5000	G 11/2"	G 1 ¹ / ₂ "	5.5	17756
Flexible connection 7	M 60, D 02-60	6500 - 10000	G 1 ¹ / ₂ "	G 1 ¹ / ₂ "	6.5	17757

Connection-assembly sensors

Туре	Appli	cation	Conn	Connection		Code number
	Control	Vessel capacity	Vessel	Control	in kg	
Connection-assembly sensor 1	MM, DM	150 - 1600	11/2"	1"	2.5	17810
Connection-assembly sensor 2	MM, DM	2000 - 10000	11/2"	1"	3.0	17811
Connection-assembly sensor 3	M 0, M 20	150 - 1600	11/2"	11/4"	3.5	17812
Connection-assembly sensor 4	M 0, M 20	2000 - 10000	11/2"	11/4"	4.0	17813
Connection-assembly sensor 5	M 60, D 02-60	150 - 1600	11/2"	11/2"	5.0	17814
Connection-assembly sensor 6	M 60, D 02-60	2000 - 5000	11/2"	11/2"	5.5	17815
Connection-assembly sensor 7	M 60, D 02-60	6500 - 10000	11/2"	11/2"	6.5	17816









WATER METER WITH PULSE PORT





FLEXCON M-K / C



FLEXCON M-K / U



FLAMCOMAT



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EXPANSION AUTOMATS

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On the Flamco CD you will find all available information of all Flamco products.

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