

Product Data Sheet (2019-06-27)

Flexcon M-K/U - internal coating

For sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

Ideal for larger systems and systems which cannot tolerate the rise in pressure associated with standard sealed system equipment. These units are distinguished by their wide range of applications. The Flexcon M-K/U is delivered completely pre-assembled and ready for operation. Installation is both simple and cost-effective due to the adjustable system connection. The unit is combined with the latest technology SPC control unit.



| Type | Capacity [l] | Max. working pressure (Compressor) [bar] | Design pressure [PN] | Dimensions | | | Compressor | Syst. conn. | Weight [kg] | ### | Order Code |
|---------------------------|--------------|--|----------------------|------------|--------|--------|------------|-------------|-------------|-----|------------|
| | | | | A [mm] | B [mm] | C [mm] | | | | | |
| Flexcon M-K/U 400 | 400 | 5.4 | 6.0 | 790 | 1437 | 610 | K-011 | G 1 1/4" M | 90 | 1 | 23450 |
| Flexcon M-K/U 400 | 400 | 8.0 | 10.0 | 790 | 1437 | 610 | K-011 | G 1 1/4" M | 117 | 1 | 23470 |
| Flexcon M-K/U 600 | 600 | 5.4 | 6.0 | 790 | 1737 | 610 | K-011 | G 1 1/4" M | 105 | 1 | 23451 |
| Flexcon M-K/U 600 | 600 | 8.0 | 10.0 | 790 | 1737 | 610 | K-011 | G 1 1/4" M | 140 | 1 | 23471 |
| Flexcon M-K/U 800 | 800 | 5.4 | 6.0 | 790 | 2144 | 610 | K-031 | G 1 1/4" M | 120 | 1 | 23452 |
| Flexcon M-K/U 800 | 800 | 8.0 | 10.0 | 790 | 2144 | 610 | K-031 | G 1 1/4" M | 165 | 1 | 23472 |
| Flexcon M-K/U 1000 | 1000 | 5.4 | 6.0 | 790 | 2493 | 610 | K-031 | G 1 1/4" M | 135 | 1 | 23453 |
| Flexcon M-K/U 1000 | 1000 | 8.0 | 10.0 | 790 | 2493 | 610 | K-031 | G 1 1/4" M | 190 | 1 | 23473 |
| Flexcon M-K/U 1200 | 1200 | 5.4 | 6.0 | 1000 | 2110 | 850 | K-031 | R 1 1/2" | 313 | 1 | 23554 |
| Flexcon M-K/U 1200 | 1200 | 8.0 | 10.0 | 1000 | 2110 | 850 | K-031 | R 1 1/2" | 418 | 1 | 23574 |
| Flexcon M-K/U 1600 | 1600 | 5.4 | 6.0 | 1000 | 2610 | 850 | K-031 | R 1 1/2" | 368 | 1 | 23555 |

| Type | Capacity [l] | Max. working pressure (Compressor) [bar] | Design pressure [PN] | Dimensions | | | Compressor | Syst. conn. | Weight [kg] | ### | Order Code |
|----------------------------|--------------|--|----------------------|------------|--------|--------|------------|-------------|-------------|-----|------------|
| | | | | A [mm] | B [mm] | C [mm] | | | | | |
| Flexcon M-K/U 1600 | 1600 | 8.0 | 10.0 | 1000 | 2610 | 850 | K-031 | R 1 1/2" | 508 | 1 | 23575 |
| Flexcon M-K/U 2000 | 2000 | 5.4 | 6.0 | 1200 | 2362 | 1050 | K-031 | R 2" | 453 | 1 | 23556 |
| Flexcon M-K/U 2000 | 2000 | 8.0 | 10.0 | 1200 | 2362 | 1050 | K-031 | R 2" | 618 | 1 | 23576 |
| Flexcon M-K/U 2800 | 2800 | 5.4 | 6.0 | 1200 | 2962 | 1050 | K-031 | R 2 1/2" | 538 | 1 | 23557 |
| Flexcon M-K/U 2800 | 2800 | 8.0 | 10.0 | 1200 | 2962 | 1050 | K-031 | R 2 1/2" | 785 | 1 | 23577 |
| Flexcon M-K/U 3500 | 3500 | 5.4 | 6.0 | 1200 | 3762 | 1050 | K-031 | R 2 1/2" | 648 | 1 | 23558 |
| Flexcon M-K/U 3500 | 3500 | 8.0 | 10.0 | 1200 | 3762 | 1050 | K-031 | R 2 1/2" | 938 | 1 | 23578 |
| Flexcon M-K/U 5000 | 5000 | 2.4 | 3.0 | 1500 | 3635 | 1520 | K-031 | Rp 1 1/2" | 976 | 1 | 23559 |
| Flexcon M-K/U 6500 | 6500 | 2.4 | 3.0 | 1800 | 3550 | 1820 | K-031 | Rp 1 1/2" | 1476 | 1 | 23560 |
| Flexcon M-K/U 8000 | 8000 | 2.4 | 3.0 | 1900 | 3650 | 1920 | K-031 | Rp 1 1/2" | 1581 | 1 | 23561 |
| Flexcon M-K/U 10000 | 10000 | 2.4 | 3.0 | 2000 | 4070 | 2020 | K-031 | Rp 1 1/2" | 1821 | 1 | 23562 |



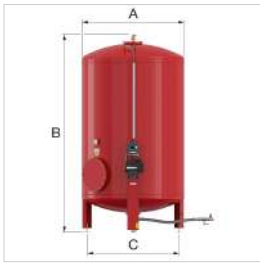
Advantages

- Stable system pressure and a large working vessel volume.
- Compact, space saving unit, which has a low noise, oil free compressor.
- Replaceable butyl bladder.
- With internal coating.
- Intuitive SPC controller. This is a 'plug and play' control system, with operating values, clear on-screen instructions, intuitive and easy to use and with economic energy-save mode.
- 20 languages to choose from.
- Easy to install and commission.
- For single or master/slave operation (failure changeover operation available on request).
- Connectivity for pressurisation unit and Building Management System or system monitoring device.

- Operation with one or two compressors possible.
- Delivered with oil free compressor, flexible connecting hose, weight-capacity sensor and height adjustable feet.
- As an option, the Flexcon M-K/U can be fitted with a Flexvent Super automatic air vent.
- With RS 485 interface.

Technical information

- Vessels 400 - 1,000 litres: in accordance with EN13831 / 1,200 - 10,000 litres: in accordance with AD2000.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature bladder: 70 °C.
- In accordance with European Pressure Equipment Directive 2014/68/EU and Machinery Directive 2006/42/EC.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Electricity supply: 230 v ~ 50 Hz.
- Maximum heating capacity: 12 MW.
- Maximum cooling capacity: 24 MW.
- Red (RAL 3002) epoxy powder coating.



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