



## ENG Installation and operating instruction

### 1. General

This manual is for Flexcon, Flexcon Top, Flexcon M, Flexcon P expansion vessels.

**DAN Monterings- og driftsvejledning**  
**SWE Instruktioner för installation och drift**  
**NOR Installasjons- og bruksanvisning**  
**FIN Asennus- ja käyttöohjeet**  
**POL Instrukcja montażu i obsługi**  
**HUN Telepítési és üzemeltetési útmutató**  
**CES Návod k instalaci a obsluze**  
**SLK Návod na montáž a obsluhu**  
**PYC Инструкции по установке и эксплуатации**  
**TUR Montaj ve kullanma kılavuzu**

The package includes an expansion vessel (A) with label (B), a manual (C) and an installation kit (Flexcon (Top) 35 to 300 l) (D) (fig. 1).

See the label for the maximum permissible system pressure and the pre-charge.

#### Application

Flexcon expansion vessels are solely intended for use in closed central heating and cooling systems (with additives based on glycol up to 50%, other additives are your own responsibility). For the connection between the expansion vessel and the heating appliance must always be open.

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#### Notes

For the correct filling pressure, see the calculation program at [www.flamcogroup.com/vesselsizing](http://www.flamcogroup.com/vesselsizing).

#### Safety

The expansion vessel is delivered with pre-charge: damage can cause serious injury.  
The bracket must be able to carry the weight of a full expansion vessel.  
Prevent overpressure in the installation. Install a safety valve (for example Prescor).  
Set the opening pressure to a value equal to or lower than the maximum working pressure shown on the vessel label.  
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#### Commissioning

If the factory-set pre-charge does not match the calculated pre-charge for the installation, the pre-charge must be adjusted. The water side of the vessel should be empty.

Remove the valve cap (F) and adjust the pre-charge. Then replace the valve cap (F).

In the commissioning sequence:

1. Open the bleed points. (fig. 6, fig. 7)  
2. Fill the installation until the fill pressure in the expansion vessel is 0.2 bar higher than the pre-charge. Bleed the system during filling. (fig. 8)

3. Bleed the pipe to the expansion vessel. (fig. 9)  
4. Close the bleed points. (fig. 9)

5. Heat the system as high as possible for half a day and bleed regularly.

6. When the water temperature has fallen to approx. 50 °C, top up the installation to 0.3 bar above the pre-charge of the expansion vessel. Ensure that the filling hose is bled.

Install the vessel in the return line, as close as possible to the boiler, on the intake side of the pump. Install the vessel so that the water it contains cannot circulate.  
1. Apply PTFE tape (G) (do not use hemp!) to the connection of the expansion vessel. (fig. 5)

2. Connect the expansion vessel to the installation (Flexconsole, T-piece or expansion pipe).  
3. If possible, it is advisable to place the optional connection group in the expansion line for easy maintenance.

Mount the pressure gauge on the Flexcon M (see fig. 14 (M)).

4. Set the opening pressure to a value equal to or lower than the maximum working pressure shown on the vessel label.

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