

Job Name: _____

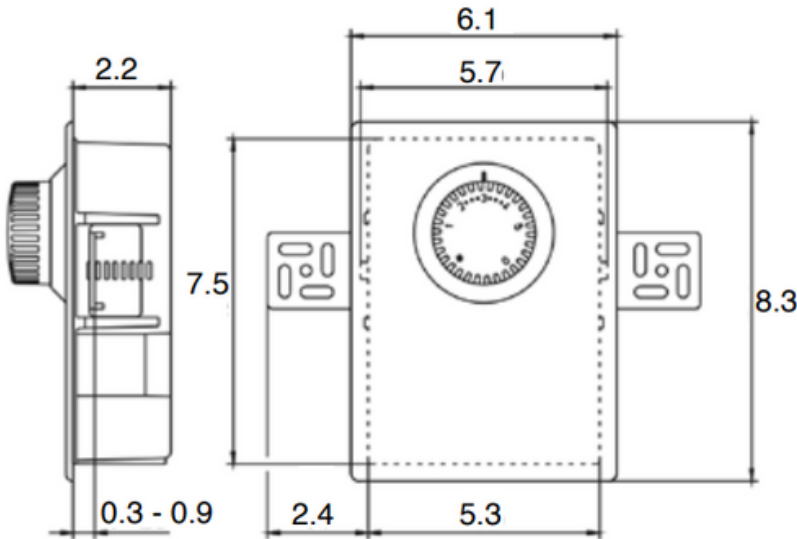
Submitted by: _____ Date: _____

Spec Section: _____

Job Location: _____

Engineer/Architect: _____

Approval: _____ Date: _____



Dimensions in inches



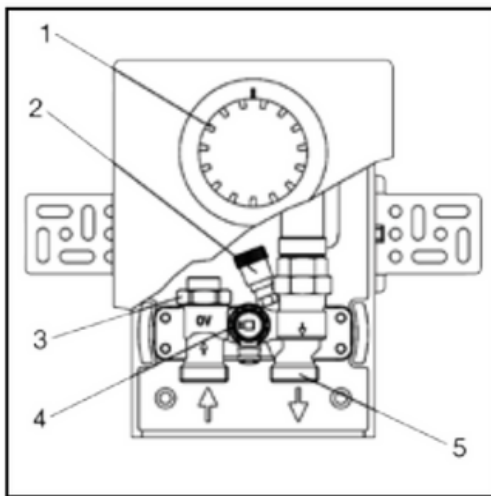
Product Description:

The "Unibox E BV" is a non-electric radiant floor zone controller for temperatures suitable with surface heating systems. A wall box unit with presettable thermostatic valve, venting and flushing valve, valve enclosure and cover plate; with thermostat with "0" setting, and with connection for Oventrop Euroconus compression fittings.

The "Unibox E BV" requires no auxiliary energy. The hot water flow is divided into a thermostatically controlled flow and a bypass flow. The heat load design flow is controlled by a non-electric thermostat, a calibrated bypass device controls the minimum flow and temperature of the surface. Complete cooling of the heating surface is avoided due to the influx of other heat sources, e.g. sunlight, woodburning or electrical appliances. Bypass minimises the inertia of surface heating at thermostat call of heat.

Specifications

Item no.:	102 26 62
Maximum working pressure:	150 psi.
Maximum differential pressure:	14.5 psi.
Maximum working temperature:	212 °F.
Room Temperature range:	44 - 82 °F



Construction and Function

- 1. Non-Electric Room thermostat
- 2. Bypass valve
- 3. Balancing / Isolation insert
- 4. Venting / Draining valve
- 5. Compression fitting 3/4" Euroconus

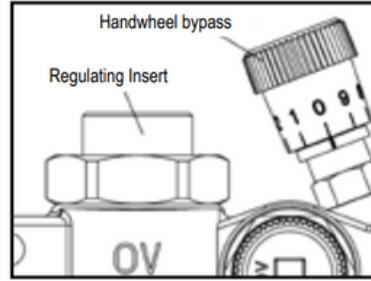
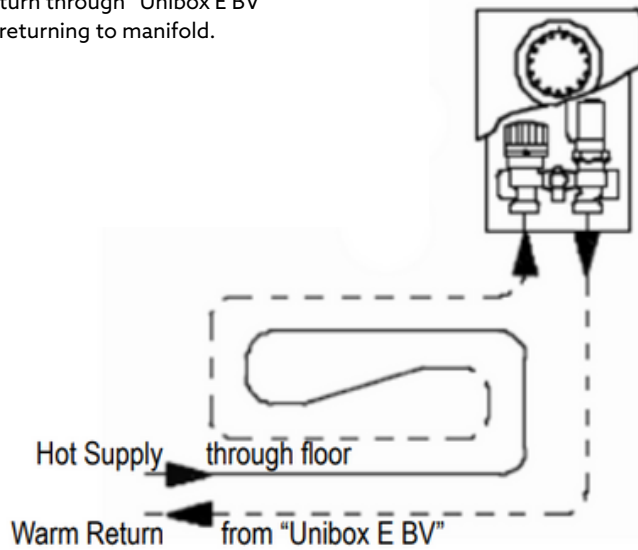
Recommended application

Rooms and heating surfaces up to 250 ft²
Loop circuit with a pipe length up to 300 ft. (Pipe size 1/2”)

Correct Installation

“Unibox E BV” has a thermostatic control only. They are only designed for temperatures which are suitable for surface heating systems. They do not have temperature limiters. For this reason they can be used at the beginning or the end of the heating loop. Flow direction must be as marked on the body.

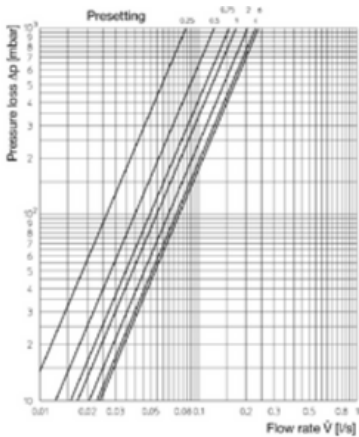
Flow from supply manifold through floor heating tubing first, then return through “Unibox E BV” before returning to manifold.



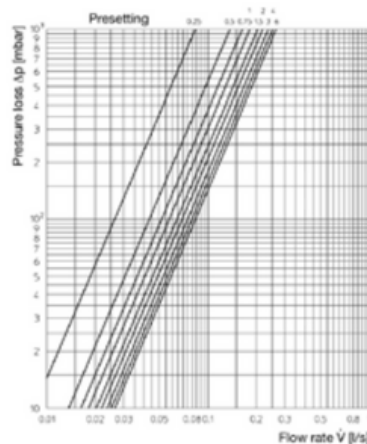
The flow rate is set by the regulating insert. Set the regulating disc with an Allen key by first closing, then opening counter clockwise. Setting of the bypass is carried out with the help of the handwheel with settings between 0 and 3 turns.

Thermostat temperature dial

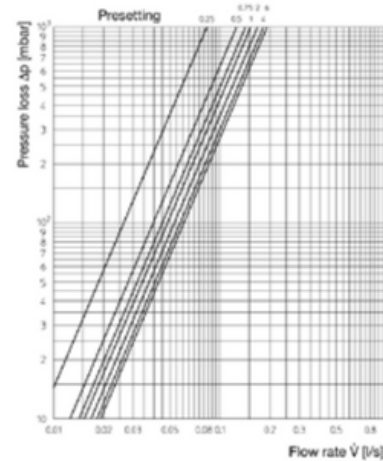
- 0 = Complete isolation
- e = About 44°C frost protection
- 1 = About 53°F
- 2 = About 60°F
- 3 = About 68°C
- 4 = About 76°C
- 5 = About 82°C



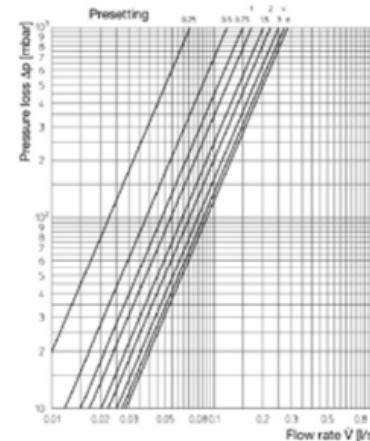
Regulating insert, bypass presetting 1.9 (50%)



Regulating insert, bypass presetting 2.3 (75%)



Regulating insert, bypass presetting 1.4 (25%)



Regulating insert, bypass closed