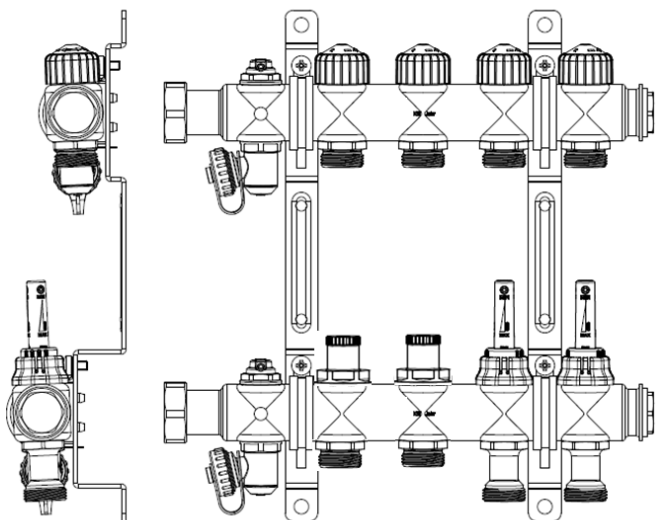


## Size and description of the stainless steel manifold with Dynacon Eclipse



| Size      | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Length mm | 192 | 242 | 292 | 342 | 392 | 442 | 492 | 542 | 592 | 642 | 692 |

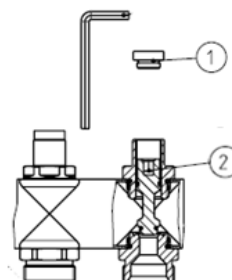
- Stainless steel manifold with flat-sealing connection, 1" union nut.
- Heating circuit connection G ¾ external thred with internal cone acc. DIN EN 16313, suitable for clamp fittings
- Regulating valves for shutting off the flow
- Thermostatic valve insert with flow regulator setting 30–300 l/h at  
max. differential pressure 60 kPa (< 30 dB(A))  
min. differential pressure 30-150 l/h = 17 kPa  
min. differential pressure 150-300 l/h = 25 kPa
- Heating circuit spacing 50 mm
- Filling and venting tap and manual vent valve G ½
- Wall bracket with sound insulation and screw pack
- The installation position can be selected at will.

## Operating instructions for control valve and flow indicator min. / max.

The flow indicator or control valve must be fully open during operation.

Control valve:

- (1) Sealing plug
- (2) Valve spindle



- Remove the sealing plug (1) using a 5 mm hex key.
- Turn the valve spindle (2) anticlockwise using a 5 mm hex key until it stops → OPEN
- Turn the valve spindle (2) clockwise with a 5 mm hex key until it stops → CLOSE
- Screw on the sealing plug (1) with a 5 mm hex key

### Flow indicator min./ max.



### Open flow indicator:

1. Pull the red cap upwards
2. Loosen the black adjusting nut (anti-clockwise)
3. Open the flow completely (anti-clockwise) using the red actuator on the sight glass.
4. Tighten the black adjusting nut by hand.
5. Replace the red cap



### Close flow indicator:

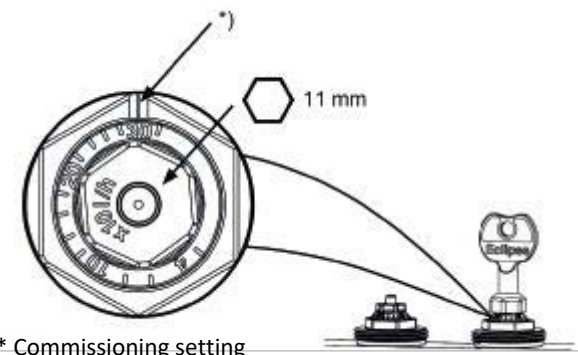
6. Turn with operating aid until it stops (clockwise).

## Setting the thermostatic valve insert with flow regulator

### Flow setting:

Stepless setting between 3 to 30 (30 to 300 l/h). The setting is changed using a special setting key or an 11 mm end wrench by a specialist.

- Place the setting key or the 11 mm end wrench on the valve insert.
- Turn the setting tool so that desired setting value is pointing at the index\* of the valve body.
- Remove the key or 11 mm end wrench.
- The setting value can be read on the valve head from the actuating direction (see fig.)



\* Commissioning setting

| Setting | l   | 4   | l   | l   | 10  | l   | l   | l   | l   | 20  |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| l/h     | 30  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 |
| Setting | l   | l   | l   | l   | 30  |     |     |     |     |     |
| l/h     | 220 | 240 | 260 | 280 | 300 |     |     |     |     |     |

### Hydraulic balancing:

Dynacon Eclipse adjusts the flow rate in the individual heating circuits directly in l/h. This means hydraulic balancing is achieved in one simple operation. The set flow rate is constantly adapted, i.e. if the rate becomes too high, e.g. due to closing adjacent circuits, Dynacon Eclipse controls the flow automatically to the set value.

### Technical data

max. operating temperature: 70 °C  
max. operating pressure: 4 bar

*The manifold must be operated with heating water in accordance with VDI 2035.*

