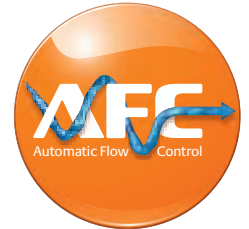


# Multilux 4-Eclipse-Set



## Design-Edition

with two-point connection, angle and straight type, for R 1/2 and G 3/4 connection, with automatic flow limitation

*Engineering  
GREAT Solutions*

# Multilux 4-Eclipse-Set

The Multilux 4-Eclipse-Set is connected in 2-pipe systems to radiators with a lower 2-point connection such as bathroom radiators, design radiators, universal radiators or radiators with integrated valves. The valve has a unique integrated flow limiter that eliminates over flows. The required flow rate can be adjusted with one twist directly at the valve. The adjusted flow will not be exceeded even if there are load changes in the system, due to other valves closing or during morning start up. The valve controls the flow rate independently from differential pressure. Therefore, complicated calculations to determine settings are not necessary. Centre-to-centre distance of connections 50 mm. The Multilux 4-Eclipse-Set is suitable for installation as angle or straight form. Thermostatic insert and shut-off insert are interchangeable. Therefore the valve is suitable for installation both left and right side of the radiator.



## Key features

- > **Integrated flow limiter**  
eliminates over flows
- > **Suitable for installation as angle or straight form**  
for pipe connection to the wall or vertical to the floor
- > **Thermostatic insert and shut-off insert are interchangeable**  
the valve is suitable for installation both left and right side of the radiator
- > **Sets with white or chrome cover**  
easy to install

## Technical description

### Applications area:

2-pipe heating systems

### Function:

Control  
Flow limitation  
Shut-off

### Dimensions:

DN 15

### Pressure class:

PN 10

### Temperature:

Max. working temperature: 120 °C, with cover 90 °C.  
Min. working temperature: -10 °C

### Flow range:

The flow can be stepless pre-set within the range:  
10-150 l/h.  
Delivery setting 150 l/h.

### Differential pressure ( $\Delta pV$ ):

Max. differential pressure:  
60 kPa  
Min. differential pressure:  
10 – 100 l/h = 10 kPa  
100 – 150 l/h = 15 kPa

### Materials:

Valve body: Corrosion resistant Gunmetal.  
O-rings: EPDM rubber  
Valve disc: EPDM rubber  
Return spring: Stainless steel  
Valve insert: Brass, PPS (polyphenylsulphide)  
Spindle: Niro-steel spindle with double O-ring sealing.  
Cover: ABS

### Surface treatment:

Valve body gunmetal, fittings are nickel-plated.

### Marking:

THE and II+ Designation.  
Protection cap orange.

### Radiator connection:

Adapters for R1/2 and G3/4, for radiator connections. Tolerance compensation  $\pm 1,0$  mm with special union nuts and flexible flat seal system for installation free of tension.

### Pipe connection:

G3/4 male thread for compression fittings for plastic, copper, precision steel or multi-layer pipe.

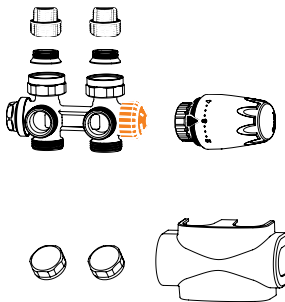
### Connection to thermostatic head and actuator:

IMI Heimeier M30x1.5

### Thermostatic head DX:

Thermostatic head DX with closed graduation cap and liquidfilled thermostat. High actuating force, minimum hysteresis, optimum closing time. Stable control response even with minor calculated p-band variations (<1 K). Conforming to German EnEV and/or DIN V 4701-10. Setting numbers 1-5. Frost protection. Temperature range 6 °C to 28 °C. See technical leaflet "Thermostatic heads".

## Articles



### Multilux 4-Eclipse-Set

Multilux 4-Eclipse-Set consists of:

- Multilux 4 Eclipse thermostatic valve body
- R 1/2 radiator connections
- G 3/4 radiator connections
- End caps for G 3/4 pipe connection
- Cover
- Thermostatic head DX

	Article No
<b>White RAL 9016</b>	9690-58.000
<b>Chrome-plated</b>	9690-59.000

## Accessories

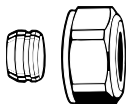


### Setting key

for Eclipse. Color orange.

**Article No**

3930-02.142



### Compression fitting

for copper or precision steel pipe.

Connection male thread G3/4.

Metal-to-metal joint.

Nickel plated brass.

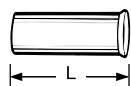
For pipe wall thickness of 0,8 – 1 mm supporting sleeves must be used.

Pay attention to pipe manufacturer's details.

**Ø Pipe**

**Article No**

12	3831-12.351
15	3831-15.351
16	3831-16.351
18	3831-18.351



### Supporting sleeves

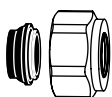
for copper or precision steel pipe with a wall thickness of 1 mm.

**Ø Pipe**

**L**

**Article No**

12	25,0	1300-12.170
15	26,0	1300-15.170
16	26,3	1300-16.170
18	26,8	1300-18.170



### Compression fitting

for copper or precision steel pipe.

Connection male thread G 3/4.

Nickel plated brass.

Soft sealed.

**Ø Pipe**

**Article No**

15	1313-15.351
18	1313-18.351



**Compression fitting**

for multi-layer pipes.  
Connection male thread G3/4.  
Nickel-plated brass.

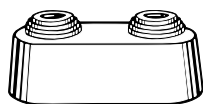
Ø Pipe	Article No
16x2	1331-16.351



**Compression fitting**

for plastic pipes.  
Connection male thread G 3/4.  
Nickel-plated brass.

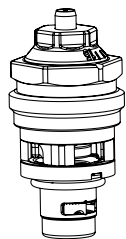
Ø Pipe	Article No
14x2	1311-14.351
16x2	1311-16.351
17x2	1311-17.351
18x2	1311-18.351
20x2	1311-20.351



**Double rosette**

Dividable in the middle, made of plastic,  
white, for various pipe diameters.  
Centre distance 50 mm.  
Overall height max. 31 mm.

Article No
0520-00.093



**Replacement thermostatic insert**

with automatic flow limiter for Eclipse.

Article No
3930-02.300