



Range overview: Thermostatic heads Thermostatic valves

Fact N° 19

ENERGY
INSIGHTS

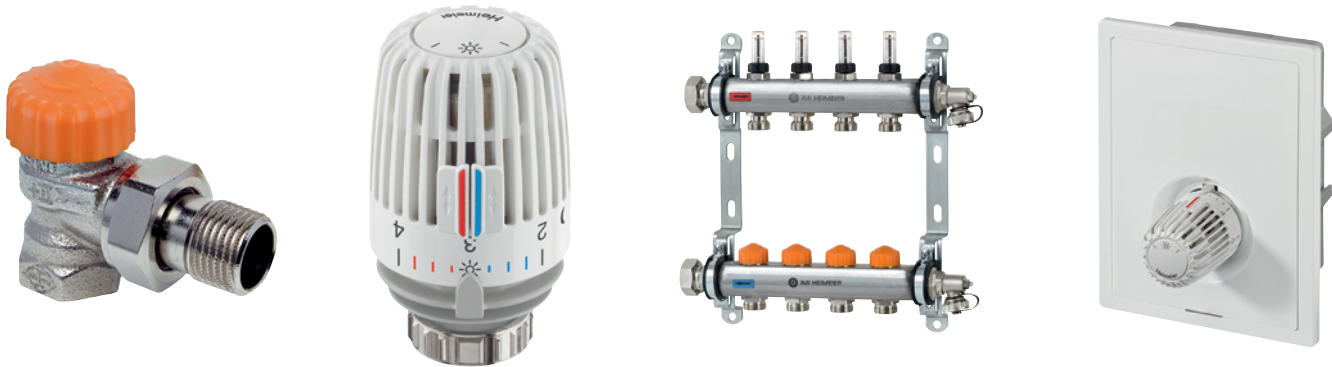
Replacing old thermostatic heads (more than 20 years old) with modern ones, can achieve energy savings of up to 7%.

IMI Heimeier

Founded in 1928 in Germany, IMI Heimeier offers a range of products that you can trust to achieve comfortable and energy efficient indoor climates. Precise temperature control devices as well as innovative radiator valves have made IMI Heimeier one of the most recognized innovators in the HVAC industry for over 90 years.

The IMI Heimeier range of thermostatic heads and thermostatic valves has been designed to meet the highest standards in the industry. Since the early days our products have been standing for:

- Energy efficient solutions
- Quality materials for long durability
- Reliable performance
- Easy fit and forget installation
- A broad range of products



What makes an IMI Heimeier thermostatic head so unique?

In order to guarantee accurate performance IMI Heimeier thermostatic heads are build with great care for quality and precision.



- 1 Liquid-filled thermostat allows for precision control and stable temperature regulation



- 2 Limiting or locking of a setting allows to set maximum and minimum temperatures and helps to reduce heating costs



- 3 Superior pressure power and a strong spring ensure the valve will not stick after non-use during the summer months



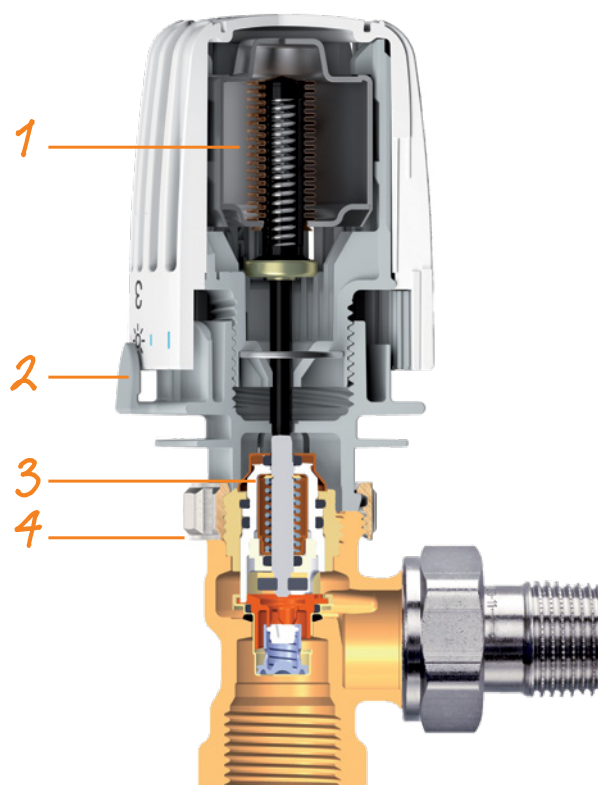
- 4 The never changed **M30x1.5** connection ensures that every IMI Heimeier sensors fits any valve we have ever produced



- 5 Designed and manufactured in Germany for highest quality standards. IMI Heimeier Thermostatic Head are built with highly resistant materials to guarantee constant quality and an extended life cycle of our products. 3rd party certifications and performance control guarantee an optimal user experience



- 6 Compatible with European Energy Performance of Buildings Directive (EPBD). Allows to achieve energy savings by optimizing and regulating system performance



Certified and tested by KEYMARK in accordance with DIN EN 215 (Series D and F)
KEYMARK symbol approval number 011-6T 0006

K-Head

The choice for best performance available with a large choice of features

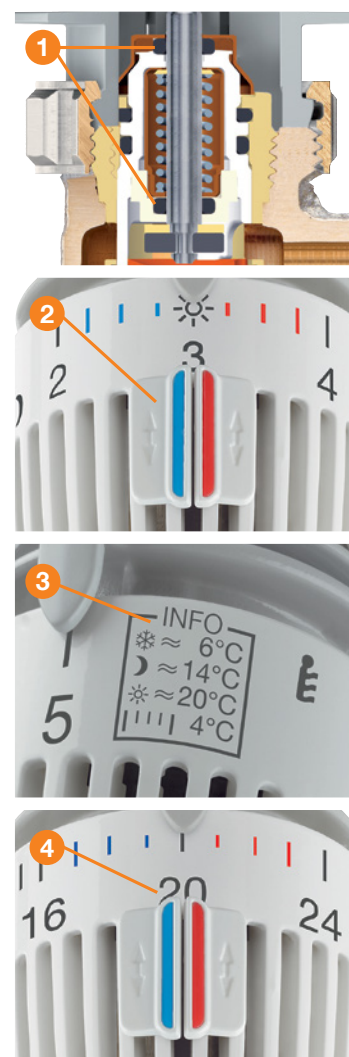
Performance	● ● ● ● ●
Design	● ● ● ● ○

In addition to the features common to all IMI Heimeier thermostatic heads the K Head features:

- 2 Energy saving clips to mark, limit or block temperature setting ②
- 2 additional internal clips for hidden limiting or blocking of temperature preventing external intervention of settings
- Symbols for easy basic setting and nighttime set back
- Data Field explaining most important settings ③
- Ease of use of head thanks to smooth rotation and comfortable haptics
- Rotation direction indicator through colour red and blue coding
- Markings designed for the visually impaired

Available options:

- With special markings for eco efficient temperature setting
- Choice of temperature or number setting printing ④
- Remote sensor
- Direct connection to thermostatic valve bodies from other manufacturers without adaptor (Danfoss, Vaillant)
- Theft protection
- Partner clip allows for customization and installer branding
- Variable base temperatures ranges



DX-Head

The perfect balance of design & technology

Performance	● ● ● ● ○
Design	● ● ● ● ○
Target market	Public & commercial buildings

In addition to the features common to all IMI Heimeier thermostatic heads the DX Head features:

- Reduced size in length and diameter allows for application in small spaces and is comfortable to use
- Closed design makes the head suitable for installation with high hygiene standards ①
- Limiting or locking of a setting with external clips

Available options:

- Direct connection to thermostatic valve bodies from other manufacturers without adaptor (Herz, TA-Valves, Danfoss)
- Available in jet black and white



Halo-Head

The high design head

In addition to the features common to all IMI Heimeier thermostatic heads the Halo Head features:

- Slim, cylindrical design for appealing looks ①
- Locking of temperature setting by locking slider ②
- Totally closed and smooth surfaces make Halo particularly suitable for hygienically demanding areas ③

Available options:

- Available in white and chrome
- Multilux-4-set available with DX and Halo Head ④

Performance	● ● ● ● ○
Design	● ● ● ● ●
Target market	Decorative radiators



Halo-B-Head

The heavy duty design head

Safety and security characterize the Halo-B-head:

- Theft protection thanks to hidden access
- Flexural strength of the thermostatic head up to 1000 N
- Temperature locking function for constant temperature setting
- Setting are made with a special key. they can be achieved without removing the protection cap
- Protection cap can be turned endlessly
- Liquid-filled thermostat with high pressure power and precision control
- Combining the minimalistic design with extra robustness even in the toughest environments ①

Performance	● ● ● ● ○
Design	● ● ● ● ●
Target market	Public & commercial buildings

NEW DESIGN



F-Head

The solution for remote control

- Applicable when a direct connection to the radiator does not allow accurate measurement of temperature i.e. when radiators are covered or hidden
- May be installed at an outlet box
- Liquid-filled thermostat with high pressure power and precision control
- Symbols for basic setting and nighttime set back
- Brief data including the most important settings
- Rotation direction indicator
- Partner clip allows for customization and installer branding
- Temperature range can be blocked using covered stop clips

Performance	● ● ● ● ●
Design	● ● ● ● ●
Target market	Applications where emitter is covered



D-Head

The compact quality

- Reduced size in length and diameter allows for application in small spaces and is comfortable to use
- Liquid-filled thermostat with high pressure power and precision control
- Limiting or locking of a setting
- Product for project business
- Open design for optimal temperature control precision

Performance	● ● ● ● ○
Design	● ● ● ○ ○



D-U Head

Reliable quality

- Liquid-filled thermostat with high pressure power and precision control
- External clips allow for temperature setting
- Reduced size in length and diameter allows for application in small spaces and is comfortable to use
- Product for project business
- Closed cap makes the product suitable for demanding environments for hygiene
- Rotation direction indicator

Performance	● ● ● ● ○
Design	● ● ● ○ ○



S-Head

The budget quality solution

- Reduced size in length and diameter
- Liquid-filled thermostat with high pressure power and precision control
- Limiting or locking of a setting
- Product for project business
- Open design for optimal temperature control precision

Performance	● ● ● ● ○
Design	● ● ● ○ ○



WK-Head

Designed for radiators with integrated valves

- Flexible mounting:
 - For mounting on the left or right of the radiator
 - Flexible adjustment to allow that the head is in ideal position
 - Front facing head for ease of use
 - Ideal for renovations when flexibility is required
- With 2 clips for marking, limiting or blocking
- Open design for optimal temperature control precision

Technology	● ● ● ● ●
Design	● ● ● ● ○



RTL

The return temperature limiter

- The solution for radiators or combined radiator and under floor heating for small surfaces
- Models available with presetting or automatic flow limitation (AFC)
- Body made of corrosion-resistant gunmetal
- Stainless spindle with double O-ring seal
- Outer O-ring can be replaced whilst system is under pressure
- Concealed limiting or blocking using stop clips
- Partner clip allows for customization and installer branding

Technology	● ● ● ● ●
Design	● ● ● ● ○
Target market	Radiant individual zone control



Thermostatic heads

range overview

	Thermostatic Head						
	K	Halo	DX	D	D-U	Halo-B	F
Temperature range [°C]	6-28 0-28 15-35 6-xx *	6-28 0-28	6-28	6-28	6-28 16-28	8-26	0-27
Frost protection	✓	✓	✓	✓	✓	✓	✓
Connection	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5
Clamp connection (DF connection)	✓		✓				
Color clips / Partner clips possibility	✓						✓
Partner clips	✓						✓
Limiting of a temperature	With economy clips or covered stop clips		With stop pin	With stop pin	With stop pin		With covered stop clips
Locking of a temperature	With economy clips or covered stop clips	With locking slider	With stop pin	With stop pin	With stop pin	With setting key	With covered stop clips
Theft protection	With security ring or 2 screws					With 2 screws	
External sensor	✓						✓
Special features	Low water temperature influence and hysteresis. Brief data including the most important settings. Markings for the visually impaired.	Slim, cylindrical design.	Particularly suitable for hygienically demanding areas. Reduced size in lenght and diameter.	Reduced size in lenght and diameter.	Reduced size in lenght and diameter.	Flexural strength of the thermostatic head up to 1000 N. Infinitely variable temperature setting using a special key without removing the protection cap.	Brief data including the most important settings.

*) Models with staggered/limited setting range.

EMO-T

High performance thermoelectric actuator

- High pushing force and long stroke for reliable and versatile operations
- High enclosure class IP54 (NEMA 3 equivalent) for secure operations at any installation positions
- Position indicator visible from all sides for straightforward maintenance
- M30x1.5 connection: Compatible with TA or HEIMEIER valves and floor heating manifolds with a M30x1.5 connection to the actuator

Technology	● ● ● ● ○
Design	● ● ● ● ○
Target market	Residential



EMO-TM

The modulating control solution for commercial zones

- Automatic adaptation to actual valve stroke for optimum control characteristics.
- Adaptation to control voltage according to wiring only one model for all common control voltages.
- High pushing force and long stroke for reliable and versatile operations.
- Position indicator visible from all sides for straightforward maintenance

Technology	● ● ● ● ○
Design	● ● ● ● ○
Target market	Residential



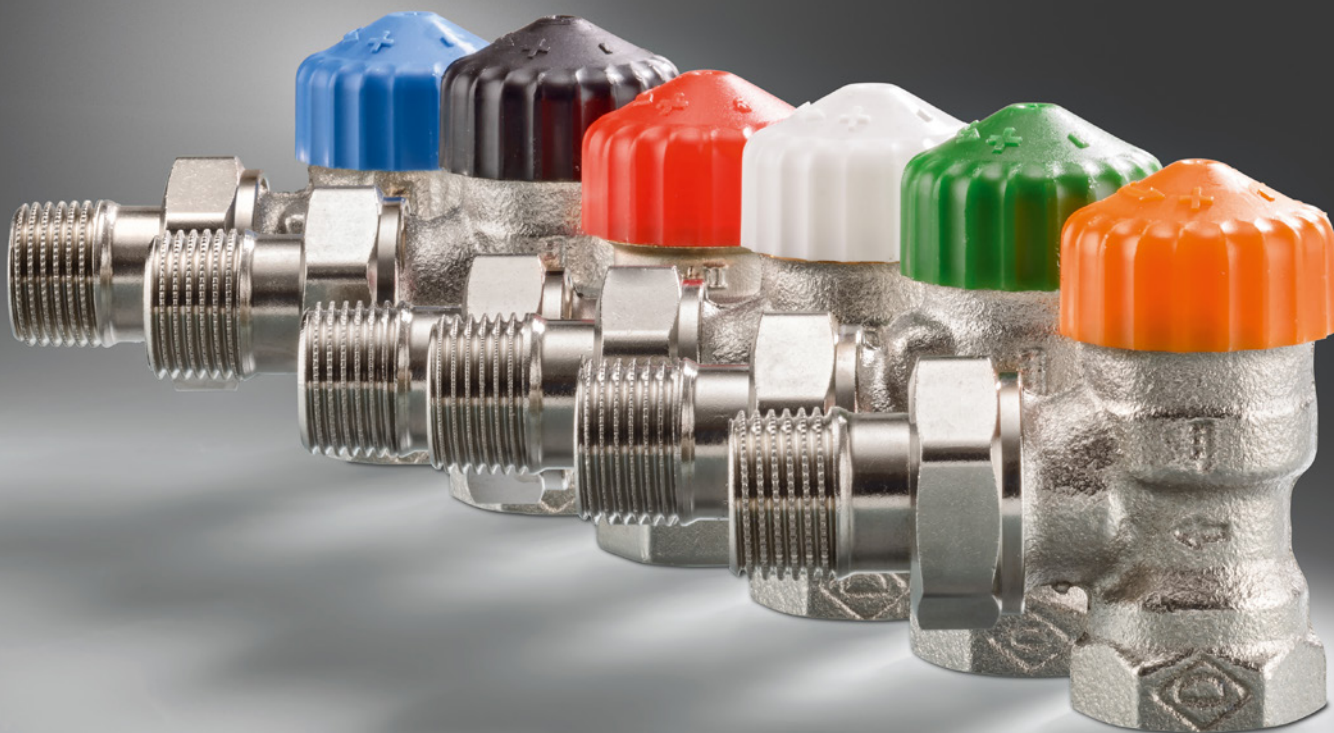
EMOtec

Thermal actuator

- Compact sizes especially suited to manifold cabinets
- Simple functional testing by means of position indicator (for NC model)
- Safe because of overvoltage protection (for 230 V model)
- Trouble-free because it is silent and needs no maintenance

Technology	● ● ● ● ○
Design	● ● ● ○ ○
Target market	Commercial





What makes an IMI Heimeier thermostatic valve so unique?



1 The never changed **M30x1.5** connection ensures that every IMI Heimeier sensors fits any valve we have ever produced



2 We develop our products in the main standard sizes: **DIN, NF, SIS & bsi**



3 Product available in **Gunmetal, CR Brass** and **lead free brass**



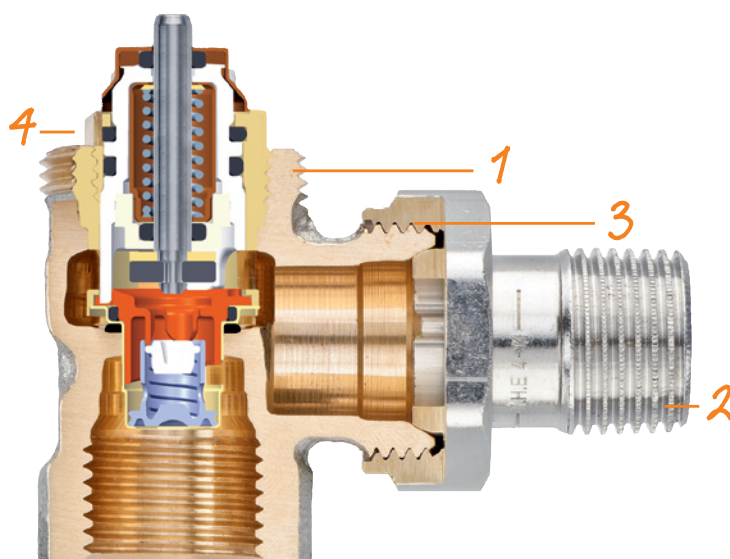
4 Easy interchangeability of valve insert in all II+ marked bodies allowing to adapt systems to the required flow as required



5 Certified and reliable long-lasting quality for a **long system life-cycle** and **maintenance free** operation



6 Compatible with European Energy Performance of Buildings Directive (EPBD). Allows to achieve energy savings by optimizing and regulating system performance



KEYMARK certified and tested according to EN 215, series S. Connection to thermostatic head: M30x1.5 011

AFC Technology overview

The IMI Heimeier range of Eclipse products with AFC technology have been designed to achieve reliable hydronic balancing without any hassle. AFC technology allows to easily achieve hydronic balancing. By setting the required flow for the individual radiators directly on the Eclipse valve, the system is reliably balanced.



Solutions with AFC technology have been designed so that once the valve has been set to the correct value, the desired flow rate will not be exceeded regardless of the differential pressure. Even in case of oversupply, e.g. due to the closing of neighbouring valves or during the morning warm-up phase, Eclipse automatically regulates the flow to the set value. Complex calculations to determine the setting values are not necessary.

Hydronic balancing can be made as easy as setting your Eclipse valve:

- The control gate that manages the flow is set to the calculated flow value by turning the setting to the desired value with the adjusting key or open-end wrench.
- If the flow at the valve increases, the sleeve inside the control gate is moved by the increasing pressure, thereby continuously limiting the flow to the set value. This mechanism ensures that the set flow is never exceeded.
- If the flow rate drops below the set flow rate value, a spring pushes the sleeve back into its starting position.

Advantages for installers:

Easy to install and commission:

- Install, set, and forget
- No need for complex calculations
- Radiators/sections can be commissioned independently possible in sections
- Replacement or testing of inserts is possible with systems still under pressure
- Ideal for renovations

Reliable:

- The set flow will never be exceeded
- No hydraulic interference when opening or closing other valves/system sections
- The Eclipse insert controls the max. flow independently of the differential pressure

Wide range of applications:

- Two pipe systems
- Can be used for differential pressures up to 60 kPa
- Complete AFC product range for all types of radiators & underfloor heating
- Compatible with latest EPBD regulations

Advantages for residents / end users:

Comfort:

- Optimal temperature control: Deliver the correct heating performance at the right time

Cost-efficient and energy-friendly:

- Improved calorific value for lower energy consumption
- Low investment for high energy and cost savings
- Short amortization times

Easy solution for renovations:

- Takes the headache out of renovations when the system is not fully known
- Reduces time spent on renovations
- Clean renovation work on site
- Available for all types of radiators and underfloor heating systems

Eclipse

Thermostatic Radiator Valve
with automatic flow limitation



Application	Heating & Cooling
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

- **Integrated flow limiter:** Eliminates overflows
- **Easy adjustment:** Only requires a twist to reach design flow
- **Perfect for renovation:** Standard dimensions and easy flow sizing
- **Available in a large choice valve bodies**
- **All flow bodies with II+ marking can be retrofitted as Eclipse**



Eclipse

For reversed flow direction



Application	Heating & Cooling
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

- **Installation** with interchanged supply and return pipe
- **Integrated flow limiter:** Eliminates overflows
- **Easy adjustment:** Only requires a twist to reach design flow
- **Perfect for renovation:** Standard dimensions and easy flow sizing
- **All flow bodies with II+ marking can be retrofitted as Eclipse**
- Can be mounted into the return flow connection of radiators in a raised position or tall radiators - This allows easy access to thermostatic heads



Eclipse 300

Thermostatic Radiator Valves with
automatic flow limitation for large
radiators and low temperature differences



Application	Heating & Cooling
Flow rate	30 - 300 l/h
Solution	Automatic dynamic valve with stepless setting

- **High flexibility of use** thanks to range flow from 30 to 300 l/hour
- **Ideal for use** with large radiators and low temperature spreads
- **Integrated flow limiter:** Eliminates overflows
- **Easy adjustment:** Only requires a twist to reach design flow
- **Perfect for renovation:** no complex calculations required
- **Available in a large variety of body forms**



Multilux 4-Eclipse-Set with Halo



Application	Heating
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

Design edition

- Ideal in 2-pipe or 1-pipe systems to radiators with a lower 2-point connection such as bathroom radiators, or universal radiators etc.
- 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
- **Eliminates the risk of overflow** thanks to integrated flow limiter



Multilux V Eclipse



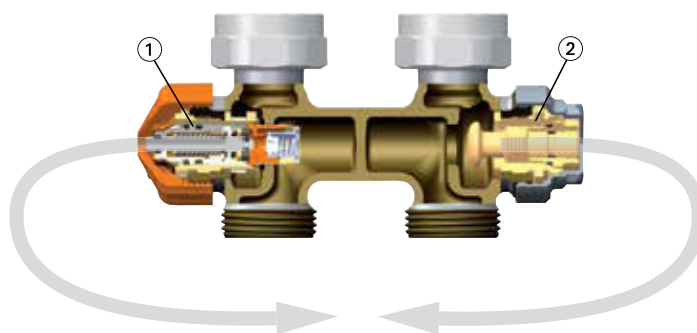
Application	Heating
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

- With two-point connection for radiators with integrated valves and bathroom radiators, with automatic flow control
- Can be used as thermostatic valve or connection fitting for radiators with integrated valves
- Integrated flow limiter eliminates over flows
- Cover for angle and straight forms, white or chrome
- Thermostatic insert and shut-off insert are interchangeable the valve is suitable for installation both left and right side of the radiator
- Easy draining off and filling
- All versions suitable for R1/2 and G3/4 connection



Construction*

1. Thermostatic insert with automatic flow limiter
2. Shut-off cone and drain off



*Applies to both Multilux-4-Eclipse-Set and Multilux V Eclipse

Tworett Eclipse

Manifolds assemblies for two pipe systems



Application	Heating
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

- Valve insert replaceable using the fitting tool without draining the system
- **Integrated flow limiter:** Eliminates over flows
- **Easy adjustment:** Just a twist to reach design flow
- **Wide flow range:** For high flexibility
- The Eclipse thermostatic inserts are suitable for all IMI Heimeier thermostatic heads and actuators



Eclipse insert

Thermostatic inserts with automatic flow limitation for radiators with integrated valves



Application	Heating
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

- **Integrated flow limiter:** Eliminates over flows
- **Easy adjustment:** Just a twist to reach design flow
- **Wide flow range:** For high flexibility
- The Eclipse thermostatic inserts are suitable for all IMI Heimeier thermostatic heads and actuators
- Available for various radiator supplier please check data check data sheet for details



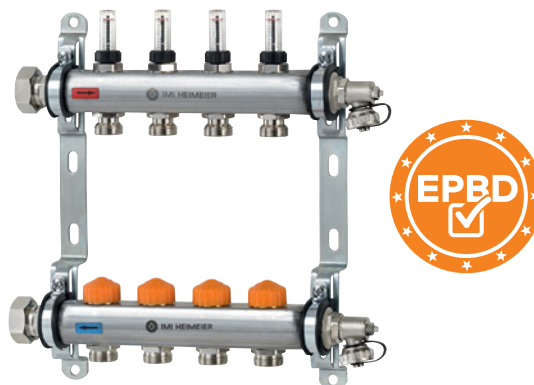
Dynacon Eclipse

Radiant Heating Manifolds with automatic flow control



- Automatic hydraulic balancing due to integrated flow controller inside each thermostatic insert
- Flow indicator for each heating circuit for functional check
- Manifold made of stainless steel corrosion-resistant, durable and safe
- Time and cost-saving commissioning solution
- Available from 2 to 12 heating circuits
- Strong return spring prevents blocking of valve during summer and prevents slacking over time

Application	Radiant heating & cooling
Flow rate	30 - 300 l/h
Solution	Automatic dynamic valve with stepless setting



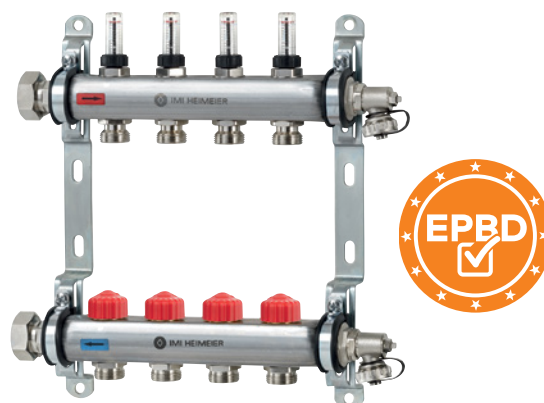
Dynacon 150

Radiant Heating Manifolds with automatic flow control



- Ideal for low flow applications
- Automatic hydraulic balancing due to integrated flow controller inside each thermostatic insert
- Flow indicator for each heating circuit for functional check
- Manifold made of stainless steel corrosion-resistant, durable and safe
- Time and cost-saving commissioning solution

Application	Radiant heating & cooling
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting

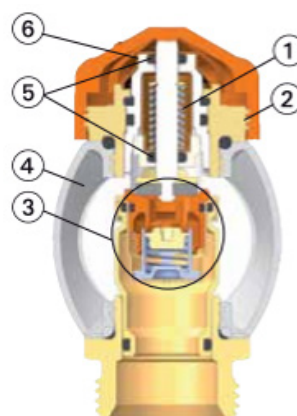


Eclipse insert

Thermostatic insert with automatic flow control for radiant heating manifolds

- Strong return spring in combination with high locating force ensures that the valve does not slacken off over time
- IMI Heimeier M30x1.5 connection for thermostatic heads and actuators
- Automatic flow limiter
- Manifold
- Long-life double O-ring sealing
- Flow setting

Application	Radiant heating & cooling
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting



RTL Eclipse

Return temperature limiter for radiant heating

- Body made of corrosion-resistant gunmetal
- Stainless spindle with double O-ring seal
- Outer O-ring can be replaced while under pressure
- Concealed limiting or blocking using stop clips
- Ideal for surfaces up to 15 m²

Application	Combined floor and radiator
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting



Multibox Eclipse

Flush-mounted individual room control with automatic flow limitation for floor heating systems

- Integrated flow limiter Eliminates overflows
- Simple adjustment of the flow to various heating loads
- For out-of-true installation offsetting up to 6° on each side
- Adjustable fitting for all wall structures 30 mm depth compensation
- Maximal permitted supply temperature is 55 °C

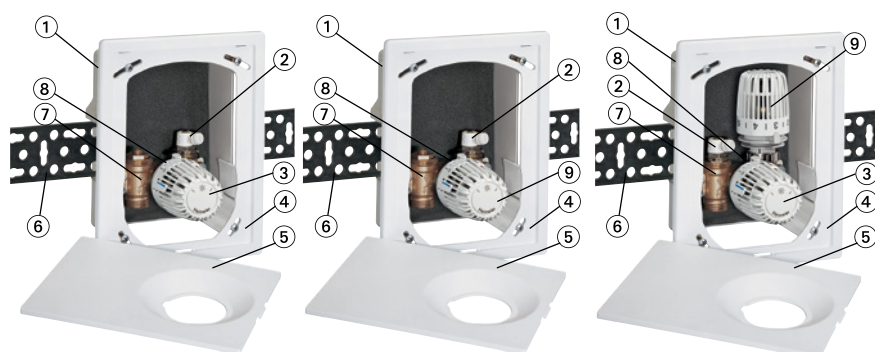
Application	Floor heating systems, wall heating systems, combined floor/radiator heating systems
Flow rate	10 - 150 l/h
Solution	Automatic dynamic valve with stepless setting



Multibox Eclipse K

Multibox Eclipse RTL

Multibox Eclipse K-RTL



1. Flush box
2. Venting valve
3. Thermostatic head K
4. Frame
5. Cover plate
6. Fixing bar
7. Valve chamber of corrosion resistant gunmetal
8. Thermostatic insert with flow limiter
9. Return temperature limiter (RTL)
- 10.

V-Exact II and Calypso-exact: Overview

V-exact II or Calypso-exact valves are the valves with stepless precision presetting allowing for precise hydronic balancing.

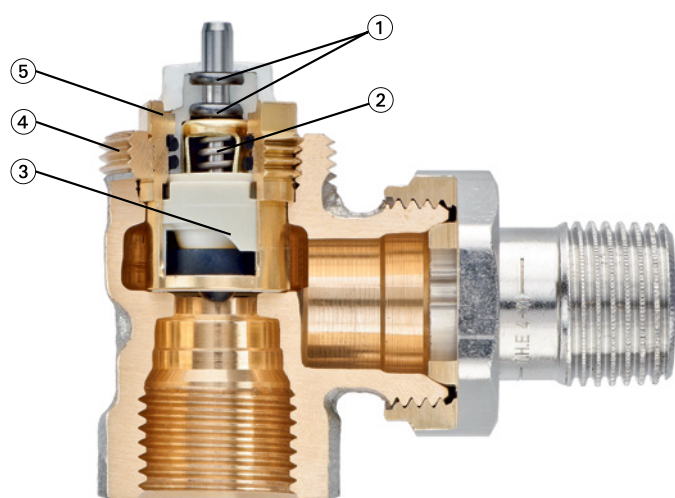
The valves allow for:

- Large flow rates
- Very low flow tolerances
- Optimized noise performance

V-exact II valves are made out of gunmetal.

Calypso-exact valves are made out of brass and both valves are available in a large selection of body forms.

Construction



1. Long-life double O-ring sealing.
2. Strong return spring in combination with high locating force ensures that the valve does not slacken off over time or gets stuck after summer.
3. Precise regulating part for accurate stepless presetting.
4. M30x1.5 connection technology for IMI Hydronic Engineering thermostatic heads and actuators.
5. Valve insert replaceable using the fitting tool without draining the system.

V-exact II / Calypso-exact

Application	Two-pipe pumped hot-water heating system with normal to high temperature spread, as well as in cooling systems
Kv value	0,025 - 0,67
Solution	Stepless precision presetting

- Strong return spring in combination with high locating force ensures that the valve does not slacken off over time
- Precise regulating part for accurate stepless presetting
- Optimised noise behaviour through specially designed setting
- High flow range for various applications
- Double O-ring seal for durable and maintenance free operation
- V-exact II made of gunmetal, Calypso-exact made of brass: corrosion-resistant and safe



Calypso F-exact

- Very low flow range for various applications
- Stepless precision presetting
- Optimised noise behavior through specially designed setting
- Double O-ring seal for durable and maintenance free operation
- Valve body also in corrosion-resistant and lead free brass
- Strong return spring in combination with high locating force ensures that the valve does not slacken off over time

Application	Heating & Cooling
Kv value	0,010 - 0,52
Solution	valve with stepless setting



Calypso TRV-3

(for the Nordic countries) Thermostatic radiator valves with presetting

- Stepless presetting: Ensures accurate balancing
- Hidden presetting: Eliminates the possibility of unauthorized manipulation
- Low flow characteristics: Flow range from a very low flow up to standard level
- Low noise level: Can handle high differential pressure which gives lower risk of noise
- Strong return spring: High locating force ensures that the valve does not slacken off over time
- Double O-rings: Trouble free operation
- Available in Swedish standard only

Application	Heating & Cooling
Kv value	0,010 - 0,52
Solution	valve with stepless setting



Multilux 4 – Set with Halo

With two-point connection, angle and straight type, for R 1/2 and G 3/4 radiator connection in 2-pipe or 1-pipe systems

- Changeable model for 2-pipe and 1-pipe systems. Only one model for different requirements
- Suitable for installation as angle or straight form for pipe connection to the wall or vertical to the floor
- The thermostatic head can be mounted on the left or right Thermostatic insert and shut-off insert are interchangeable
- Supply and return connections can be arranged in any way This makes it possible to avoid intersecting connection lines
- Sets with white or chrome cover easy to install

Multilux

- With two point connection for single and two-pipe systems
- Cover for angle and straight forms, white or chrome
- Supply and return are reversible
- Two-pipe design with V-exact II presetting
- Easy draining off and filling
- All versions suitable for R1/2 and G3/4 connection

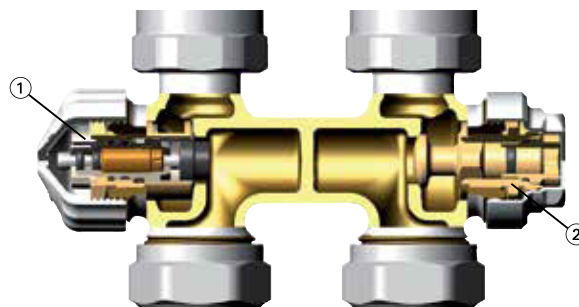
Construction

1. Thermostatic insert with V-exact II presetting
2. Shut-off cone and drain off

Application	Heating
Kv value	0,025 - 0,60
Solution	valve with stepless setting



Application	Heating
Kv value	2-pipe: 0,025 - 0,60 1-pipe: 1,50
Solution	valve with stepless setting



Tworett / Flowrett TA-Uni

Manifold assemblies for one-pipe and two-pipe systems

- RVT valve (FLOWRETT)
Ensures trouble-free operation and reduced maintenance costs.
- Calypso TRV-3 valve (TWORETT)
For accurate balancing, trouble-free operation and better comfort.
- Low flow characteristics (TWORETT)
Flow range from a very low flow up to standard level.
- Diverter TA-UNI
Convertible for one or two-pipe application
Bottom or side connection
Ensures smoother installation
- The thermostatic valve bodies can be used with all IMI Heimeier thermostatic heads and IMI Heimeier or IMI TA thermal actuators or motorized

Application	Heating
Kv value	Please refer to data sheet
Solution	valve with stepless setting



V-exact II insert low flow

Thermostatic inserts for radiators with integrated valves

- Easy stepless presetting of the valve
- Presetting value is easy to validate
- Low flow tolerances setting key protects from misuse

Application	Heating
Kv value	Please refer to data sheet
Solution	valve with stepless setting



RTL

Return temperature limiter for radiant heating

- Body made of corrosion-resistant gunmetal
- Stainless spindle with double O-ring seal
- Outer O-ring can be replaced while under pressure
- Concealed limiting or blocking using stop clips
- Ideal for surfaces up to 15 m²
- Available with and without presetting

Application	Combined floor and radiator
Kv value	V-exact II: 0,86 Standard: 2,00
Solution	valve with stepless setting



Multibox

Flush-mounted individual room control for floor heating systems

- For out-of-true installation offsetting up to 6° on each side
- Cover with concealed screw connection
- Models in white or chrome
- Adjustable fitting for all wall structures, 30 mm depth compensation
- Available in various models:
 - Multibox F: No change in appearance irrespective of installation depth
 - Multibox C/E and MultiBoc C/Ctrl with closed cover plate
 - Multibox Mini: In a reduced size

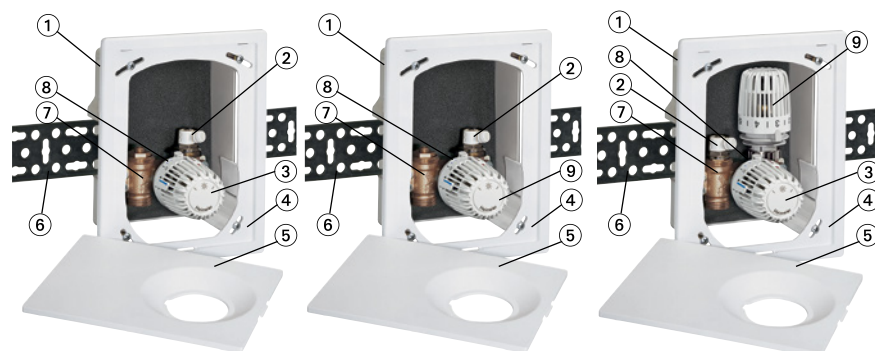
Application	Multibox K, RTL and K-RTL is used for decentralized control of floor or radiant heating systems or combined floor/radiator heating systems
Kv value	Please refer to data sheet
Solution	valve with stepless setting



Multibox K

Multibox RTL

Multibox K-RTL



1. Flush box
2. Venting valve
3. Thermostatic head K
4. Frame
5. Cover plate
6. Fixing bar
7. Valve chamber of corrosion resistant gunmetal
8. Thermostatic insert with flow limiter
9. Return temperature limiter (RTL)

PLR - Particular Low Resistance

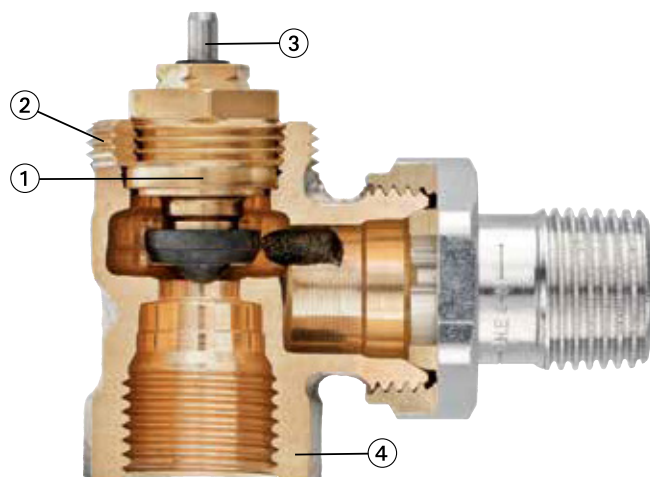
Application	Heating and cooling systems
Kv value	Please refer to data sheet
Solution	Without presetting

Thermostatic valve body without presetting

- Double O-ring seal for durable and maintenance free operation
- Valve body in gunmetal Corrosion-resistant and safe
- Thermostatic insert replaceable under pressure with DN 10 to DN 32
- The thermostatic valve bodies can be used with all IMI Heimeier thermostatic heads and IMI Heimeier or IMI TA thermal or motorized actuators



Construction



1. The insert can be replaced without draining off the system with the IMI Heimeier fitting tool
2. IMI Heimeier M30x1.5 connection technology
3. Niro-steel spindle with long-life double O-ring sealing
4. Body made of corrosion-resistant gunmetal

Flowrett

Application	Heating
Solution	without setting

Assemblies for manifold with RVT valve body

- Valve insert replaceable using the fitting tool without draining the system
- Integrated flow limiter Eliminates over flows
- Easy adjustment Just a twist to reach design flow
- Wide flow range For high flexibility
- The Eclipse thermostatic inserts are suitable for all IMI Heimeier thermostatic heads and actuators



Multilux

with two-point connection for valve radiators and bathroom radiators

- Can be used as thermostatic valve or connection fitting for radiators with integrated valves
- Integrated flow limiter eliminates over flows
- Cover for angle and straight forms, white or chrome
- Thermostatic insert and shut-off insert are interchangeable the valve is suitable for installation both left and right side of the radiator
- Easy draining off and filling
- All versions suitable for R1/2 and G3/4 connection

Application	Heating
Kv value	Please refer to data sheet
Solution	valve with stepless setting

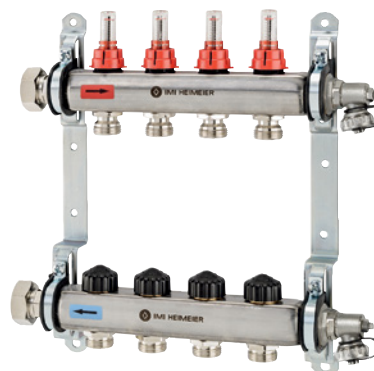


Dynalux

Radiant Heating Manifolds

- Automatic hydraulic balancing due to integrated flow controller inside each thermostatic insert
- Flow meter for each heating circuit for functional check
- Manifold made of stainless steel corrosion-resistant, durable and safe
- Time and cost-saving commissioning solution
- Hydronic balancing by direct setting of the flow rate
- Strong return spring in combination with high locating force ensures that the valve does not slacken off over time

Application	Radiant heating & cooling
Kv value	Please refer to data sheet
Solution	stepless presetting



Thermostatic valves range overview

	Automatic Flow Control	Valves with pressting	Valves without presetting
Flow Ranges	10-150l/h 30-300l/h	Kv values according to data sheet	Kv values according to data sheet
Thermostatic valves with radiator connection systems with two-point connection for radiators with integrated valves and bathroom radiators	IMI Heimeier M30 X 1,5	IMI Heimeier M30 X 1,5	IMI Heimeier M30 X 1,5
Body	Gunmetal, Brass	V exact II: Gunmetal Calypso: Brass	Gunmetal, Brass
Valve Body available in II+ Design for flexible valve replacement	✓	✓	✓
Reversed flow direction	✓		
Thermostatic valves with radiator connection systems with two-point connection for radiators with integrated valves and bathroom radiators	✓ Multilux 4 with Eclipse with Halo head	✓ Multilux 4 with Halo head	
Thermostatic valves with radiator connection systems with two-point connection for radiators with integrated valves and bathroom radiators	✓ Multilux V with Eclipse	✓ Multilux	
Manifolds	Dynacon Eclipse : 30-300l/h Dynacon 150 : 10-170l/h available for 2-12 circuits		✓
Return temperature limiter	✓	✓	✓
Multibox	Multibox Eclipse K Multibox Eclipse RTL Multibox Eclipse K-RTL	✓	
Inserts	✓	✓	

IMI Heimeier benefits to customers

IMI Heimeier meet the expectations of all our customers:

Installers:

- Easy to install with a fit and forget approach
- Compatibility of solutions in never changed M30x1.5 connection
- Satisfied customers and no emergency interventions
- The broad range offer a solution for many applications

Consultants:

- A comprehensive range of solution to meet any building design need
- High product reliability for optimal system performance

End users and building owners:

- Precise room temperature control for ideal indoor comfort
- Optimized energy consumption
- A wide choice of solutions

Facility managers:

- High quality materials grant product longevity
- Available with temperature locking, theft proof option as well as high resistance products
- Continuity in product range and product connections with all products allow for easy long-term maintenance



For more information
please visit our website:
www.imi-hydronic.com