

Climate Control

IMI Heimeier

Dynacon Eclipse





Floor Heating Manifolds

Floor heating manifold with automatic flow control



Dynacon Eclipse

Dynacon Eclipse adjusts the flow rate in the individual heating circuits directly in I/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. The control cartridge always ensures a constant flow. This makes Dynacon Eclipse heating circuit manifolds a time and cost-saving solution especially for system commissioning.

Material:

Manifold:

Brass

Stainless steel 1.4301

Thermostatic insert:

O-rings: EPDM

O-ring seal.

Flow meter:

EPDM seals.

IMI Heimeier

are available:

Orange protection cap.

Connection kits:

Marking:

Valve disc: EPDM

Spring: stainless steel

Thermostatic insert: Brass, PPS

Spindle: Niro-steel spindle with double

Heat-resistant plastic and stainless

Filling, draining, flushing and venting

device: Nickel-plated brass and plastic.

The following manifold connection kits

- Connection kit 1 with Globo ball valves.

- Connection kit 2 with STAD balancing

valve and Globo ball valve.

(polyphenylsulphide) and SPS

(syndiotactic polystyrene)

steel. Brass. EPDM seals.

Key features

Automatic hydraulic balancing Due to integrated flow controller inside each thermostatic insert

Flow indicator for each heating circuit For functional check

Technical description

Application:

Floor heating systems

Function:

Individual room temperature control with actuator or thermostatic head Flow limitation Shut-off Filling Draining Flushing Venting

Pressure class: PN 6

Flow range:

The flow can be stepless pre-set within the range: 30-300 l/h. Delivery setting: Commissioning setting. Max. 2,5 m³/h per heating circuit manifold.

Differential pressure (ΔpV):

Max. differential pressure: 60 kPa (<30 dB(A)) Min. differential pressure: 30 – 150 l/h = 17 kPa 150 – 300 l/h = 25 kPa

Temperature:

Max. working temperature: 70°C Min. working temperature: -5°C

Manifold made of stainless steel Corrosion-resistant, durable and safe

Time and cost-saving commissioning solution



- Connection kit 3 with Zeparo Vent air separator in supply pipe and Zeparo Dirt sludge separator in return. Connection fittings: Nickel-plated brass.
 - Connection kit 4 with Globo ball valve, including spacer for heat meter in return and Globo ball valve with connection for direct measurement in supply and return pipe.
 - Connection kit 5 fixed value control station with high-efficiency pump for controlling the supply temperature.
 - Connection kit with ball valves, straight connection, including spacer for heat meter in return.
 - Connection kit with ball valves, angle connection, including spacer for heat meter in return.
 - Thermostatic mixing valve for radiant heating. Pump connection with ball valve

Pipe connection:

Manifold with flat-sealing connection, 1" union nut.

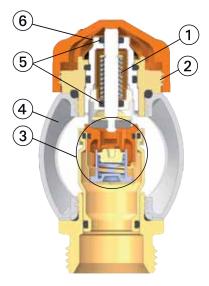
Heating circuit connection G3/4 adaptor with Eurocone suitable for compression fittings for plastic, copper, precision steel and multi-layer pipe. See also accessories.

Connection to thermostatic head and actuator: IMI Heimeier M30x1,5



Construction

Eclipse thermostatic insert with automatic flow control



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



Flow indicator



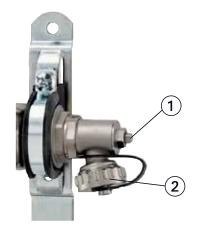
- 1. Viewing glass
- 2. Shut-off handwheel
- 3. Manifold
- 4. Connection nipple

Function

Eclipse flow limiter

A regulating part is set to the calculated control rate by turning the digit cap with the setting key or an 11 mm end wrench. If the flow rate increases at the valve the rising pressure moves the sleeve, thus constantly limiting the flow to the set value. The set flow rate is therefore never exceeded. If the flow rate drops below the set value a spring presses the sleeve back to its original position.

Filling, draining, flushing and venting device



Venting
 Filling-, draining and flushing, 3/4" connection, swivelling

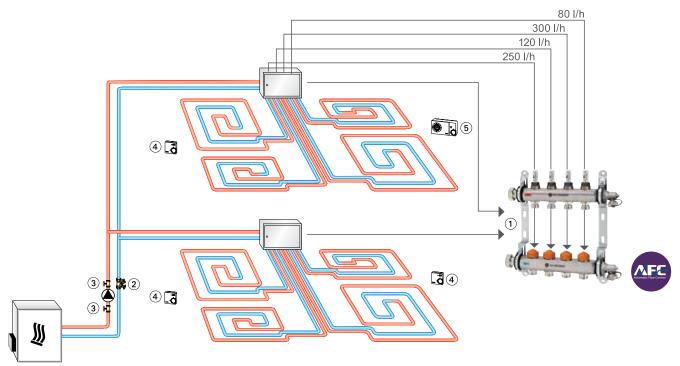


Application

Dynacon Eclipse adjusts the flow rate in the individual heating circuits directly in I/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. The control cartridge always ensures a constant flow. This makes Dynacon Eclipse heating circuit manifolds a time and cost-saving solution especially for system commissioning. With conventional heating circuit manifolds with throttle valves and flow indicators setting the required water quantities is a time-consuming affair. The setting required at the throttle valves must either be calculated or set using flow indicators at the manifold. However, the quantities of water distributed in this way only correspond to maximum requirements. When individual heating circuits are turned off, the quantity of water no longer required is distributed over the adjacent circuits resulting in an oversupply in these circuits.

The automatic hydraulic balance with Dynacon Eclipse avoids this oversupply in individual heating circuits. This ensures optimum temperature distribution, saves energy and increases comfort.

Application example



1. Dynacon Eclipse

2. STAD balancing valve

3. Globo P pump ball valve

4. Room thermostat

5. Thermostat P with switch clock



Operation

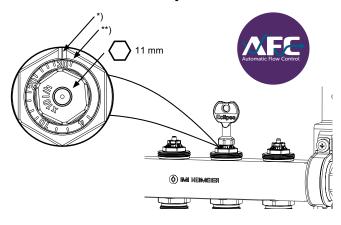
Flow setting

Stepless setting between 3 to 30 (30 to 300 l/h).

The setting is changed using a special setting key (article No. 3930-02.142) or an 11 mm end wrench, to ensure tamper proof setting.

- Place the setting key on the valve insert.
- Turn the setting tool so that desired setting value is pointing
- at the index* of the valve body (see fig.).
- Remove the key or 11 mm end wrench. The valve is now set.

Front-end and lateral visibility



*) Index	
**) Commissioning setting	ļ

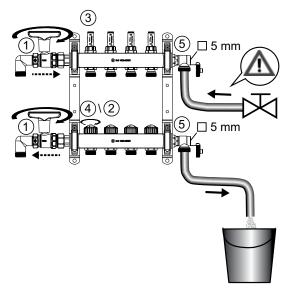
Setting	I	4	I	I	10	I	I	I	I	20	I	I	I	I	30
l/h	30	40	60	80	100	120	140	160	180	200	220	240	260	280	300

Filling, flushing and venting

Product lifetime and system performance strongly depend on proper commissioning. We refer to technical standards EN 14336, VDI2035 and ON H5195-1 to be carefully attended. Each heating circuit must be individually filled, flushed and vented:

- Close the ball/shut-off valves (1). Close all thermostatic inserts with the protection caps (4). All flow controllers (2) or flow meters (3) must be completely open!
- Connect the fill- and drain hose and open the filling, draining, flushing and venting device (5).
- Fill/Flush the circuits each by each.
- Open the thermostatic insert of the 1. heating circuit with the protection cap (4) completely. After flushing the 1. circuit close the corresponding thermostatic insert and fill/flush the next circuit.

Setting of the flow controller or flow meter: See "Installation and operating instruction".



Pressure test

Pressure test duration before and during screed laying. The test pressure is 1.3 times of the permissible operating pressure.

Thermal fluid

To stop any damage and scale in hot water heating systems, the composition of the thermal fluid is to conform to VDI Directive 2035. For industrial and longdistance energy systems, see applicable codes VdTÜV and 1466/AGFW FW 510. Mineral oil in the thermal fluid and/or all kinds of lubricants containing mineral oil lead to considerable swelling and, in most cases, to the failure of EPDM seals.

When using nitrite-free antifreeze and anti-corrosive based on ethylene glycol, technical advice – especially on additive concentration – is to be taken from the anti-freeze/anticorrosive manufacturer's documentation.

Functional heating

Carry out functional heating of heating screed conforming to standards in keeping with EN 1264-4.

Earliest start for functional heating:

Cement screed: 21 days after laying
Anhydrite screed 7 days after laying
Begin 20 °C - 25 °C flow temperature and maintain for 3 days.
Then set maximum design temperature and maintain for 4 days. Flow temperature can be regulated by controlling the heat generator.

Refer to the screed manufacturer's information!

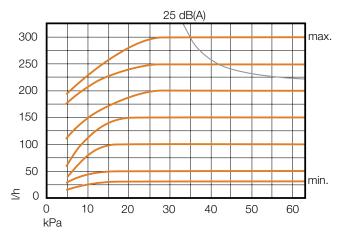
Do not exceed maximum floor temperature at the heating pipes:

- Cement and anhydrite screed: 55 °C
- Poured asphalt screed: 45 °C
- according to screed manufacturer's technical advice!

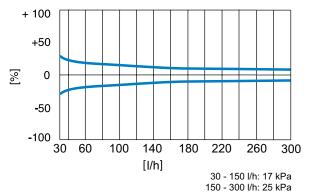


Technical data

Flow rate range per heating circuit: 30 - 300 l/h



Lowest flow tolerances



Δp min. 30 - 150 l/h = 17 kPa Δp min. 150 - 300 l/h = 25 kPa Δp max. 60 kPa

Sample calculation

Target: Set value of Dynacon Eclipse flow controller

Given:

Heat flow, heating circuit Q = 1120 W Temperature spread Δt = 8 K (44/36°C)

Solution: Mass flow m = Q / (c $\cdot \Delta t$) = 1120 / (1.163 \cdot 8) = 120 kg/h

Flow regulator setting at Dynacon Eclipse manifold: = 12

Setting values with different heating performances and system differential temperatures

Q [W]	200	250	300	400	500	600	700	800	006	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4800	5200
∆t [K]																											
5	3	4	5	7	9	10	12	14	16	17	21	24	28														
8			3	4	5	7	8	9	10	11	13	15	17	19	22	24	26	28									
10				3	4	5	6	7	8	9	10	12	14	16	17	19	21	22	24	26	28	29					
15					3	3	4	5	5	6	7	8	9	10	12	13	14	15	16	17	18	20	21	22	23	28	30

Δp min. 30 - 150 l/h = 17 kPa Δp min. 150 - 300 l/h = 25 kPa

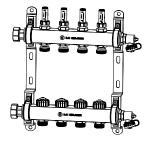
Q = Heating performance

 Δt = System differential temperature Δp = Differential pressure

Sample: Q = 1000 W, Δt = 15 K

Setting value: **6** (≈ 60 l/h)

Articles



Dynacon Eclipse underfloor heating circuit manifold

Heating circuits	EAN	Article No
2	4024052964819	9340-02.800
3	4024052964918	9340-03.800
4	4024052965014	9340-04.800
5	4024052965113	9340-05.800
6	4024052965212	9340-06.800
7	4024052965311	9340-07.800
8	4024052965410	9340-08.800
9	4024052965519	9340-09.800
10	4024052965618	9340-10.800
11	4024052965717	9340-11.800
12	4024052965816	9340-12.800





Connection kit 1 with Globo ball valves, DN 20 with red end cap in supply and blue end cap in return.

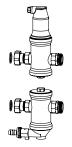
Kvs	EAN	Article No
9,90	4024052770816	9339-01.800

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.

Connection kit 2 with STAD balancing valve and Globo ball valve, DN 20 including measuring nipple for measuring differential pressure and flow rate.

Kvs	q _{max} [m³/h]	EAN	Article No
5,28	2,00	4024052775316	9339-02.800

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.



Connection kit 3 with Zeparo Vent air separator in supply and Zeparo Dirt sludge separator in return, DN 20

Kvs	q _{max} [m³/h]	EAN	Article No
6,72	1,25	4024052775415	9339-03.800

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.



S-connection

For connection kit 3. Installation aid for return in manifold boxes.

4024052775712 9339-00.362	EAN	Article No
	4024052775712	9339-00.362

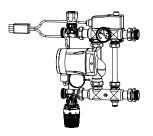


Connection kit 4 with Globo ball valve DN 20, including spacer for heat meter in return Globo ball valve with connection G1/4 for direct measurement in supply and return.

Kvs	EAN	Article No
9,90	4024052775613	9339-04.800
9,90	4024052775613	9339-04.800

TED)

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve. Connection kit 4 can be mounted vertically using appropriate 1" elbows (not included in delivery). Manifold box sizes are then selected according to connection kit 1.



Connection kit 5, fixed value control station with high-efficiency pump Grundfos Alpha 2 15 - 60 130, thermostatic valve with contact sensor and electrical pipe contact safety switch 230V, 15A.

Minimum installation depth manifold boxes: 125 mm.

Setting range thermostatic head	Setting range electrical pipe-contact sensor	EAN	Article No
20 - 50°C	10 - 90°C	4024052775514	9339-05.800

Connection kit with ball valves, straight connection, including spacer for heat meter in return. Ball valves with connection M10x1 for direct measurement in supply and return.

DN	Kvs	EAN	Article No
20	7	5902276804830	9339-04.830
25	7	5902276804847	9339-04.832

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.

Connection kit with ball valves, angle connection, including spacer for heat meter in return. Ball valves with connection M10x1 for direct measurement in supply and return.

DN	Kvs	EAN	Article No
20	4,6	5902276804854	9339-04.831
25	4,6	5902276804861	9339-04.833

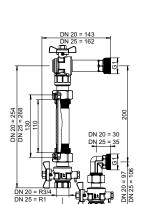
Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.

Thermostatic mixing valve for radiant heating Pump connection with ball valve Temperature 25 - 55 °C

DN	Kvs	EAN	Article No
25	3,2	5902276805547	9339-15.800

*) 130 mm pump + 2x2 mm gasket

Kvs = m^3/h at a pressure drop of 1 bar and fully open valve.







Thermometer for Globo

to replace by changing the closing cap. Temperatur range from 0 $^\circ\text{C}$ to 120 $^\circ\text{C}.$

EAN	Article No
4024052423316	0600-00.380
4024052460618	0600-01.380
	4024052423316

Manifold boxes

Flush-mounted box, installation depth 110 - 150 mm. Note the minimum installation depth 125 mm for connection set 5!

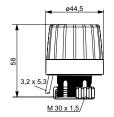
Size	mm x mm	EAN	Article No
1	490 x 710	4024052790616	9339-80.800
2	575 x 710	4024052790715	9339-81.800
3	725 x 710	4024052790814	9339-82.800
4	875 x 710	4024052790913	9339-83.800
5	1.025 x 710	4024052791019	9339-84.800
6	1.175 x 710	4024052791118	9339-85.800

Accessories



Setting key for Eclipse. Color orange.

EAN	Article No
4024052937714	3930-02.142



EMOtec

Two-point thermal actuator for floor heating systems. With position indicator in NC version. Suitable for all Heimeier thermostatic valve bodies. For technical data, please refer to the EMOtec datasheet.

Туре	EAN	Article No
230 V		
Currentless closed (NC)	4024052460359	1807-00.500
Currentless open (NO)	4024052490752	1809-00.500
24 V		
Currentless closed (NC)	4024052460458	1827-00.500
Currentless open (NO)	4024052491551	1829-00.500

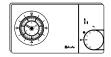


Room thermostat

change-over contact.

with thermal recirculation, controls the room temperature in connection with thermal actuators.

Туре	EAN	Article No
230 V		
Without temperature set- back	4024052405916	1936-00.500
With temperature set-back	4024052406111	1938-00.500
24 V		
Without temperature set- back	4024052406012	1946-00.500



Thermostat P with analog switch clock electronic two-point room thermostat for time-dependent control of the room temperature, with analog 7-day automatic timer, pulse-width modulation output signal (PWM) and floating

Туре	EAN	Article No
230 V	4024052405718	1932-00.500





March M. Do. Fr. St. Str.	Thermostat P with digital switch clock	T			
Hammer I	electronic two-point room thermostat for time-dependent control of the room	Туре		EAN	Article No
-255-1	temperature, with digital automatic timer,	230 V		4024052763610	1932-01.500
	pulse-width modulation output signal				
	(PWM) and floating change-over contact.				
	Menu-driven via four buttons.				
	Distributor strip				
2	This unit is used for wiring thermostats			EAN	Article No
	and electro-thermal actuators. The unit is			4024052891115	1612-00.000
	suitable for underfloor heating and cooling				
	(summer/winter operation). It is possible				
	to switch over between heating and cooling via an external signal. The pump				
	logic enables enery-optimised pump				
	control. For up to 6 zones (rooms). Ready				
	to plug in to a 230 V power socket.				
	Radiocontrol F	mporaturo con	tral of floor w	all or coil boating	and cooling in
	Radio control system for individual room ter connection with thermal two-point actuators				
	Room transmitter				
	battery-driven electronic Fuzzy controller,	Туре		EAN	Article No
	including battery.	with digital tin	ner,	4024052763511	1640-02.500
. IÇ.		incl. battery			
		without opera		4024052556915	1640-01.500
		switch, incl. b			
			g mode switch,	4024052556816	1640-00.500
		incl. battery			
	Central unit				
	Receives the room transmitters radio	Туре		EAN	Article No
	signals. With 8 or 6 output channels for	6 output chan	nels	4024052557011	1641-00.000
	the connection of the thermal actuators.	without time of	lock		
		8 output chan	nels	4024052557110	1642-00.000
		o output onun		1021002001110	
		with time cloc	k		
_			k		
	Thermostatic head F	with time cloc	k		
	Remote dial with built-in sensor. Liquid	with time cloc	k	EAN	Article No
	Remote dial with built-in sensor. Liquid filled sensor.	with time cloc Capillary tube length	k		Article No
	Remote dial with built-in sensor. Liquid	with time cloc Capillary tube length [m]		EAN	
	Remote dial with built-in sensor. Liquid filled sensor.	Capillary tube length [m] 2,00	(6.56 ft)	EAN 4024052191017	2802-00.500
	Remote dial with built-in sensor. Liquid filled sensor.	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819	2802-00.500 2805-00.500
	Remote dial with built-in sensor. Liquid filled sensor.	Capillary tube length [m] 2,00	(6.56 ft)	EAN 4024052191017	2802-00.500
	Remote dial with built-in sensor. Liquid filled sensor.	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819	2802-00.500 2805-00.500
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C.	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819	2802-00.500 2805-00.500
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819 4024052192717 EAN	2802-00.500 2805-00.500 2810-00.500 Article No
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819 4024052192717	2802-00.500 2805-00.500 2810-00.500
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve bodies. With direct connection, white.	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft)	EAN 4024052191017 4024052191819 4024052192717 EAN	2802-00.500 2805-00.500 2810-00.500 Article No
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve bodies. With direct connection, white. Length adjustment fitting	Capillary tube length [m] 2,00 5,00	(6.56 ft) (16.4 ft) (32.81 ft)	EAN 4024052191017 4024052191819 4024052192717 EAN 4024052323494	2802-00.500 2805-00.500 2810-00.500 Article No 1303-01.325
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve bodies. With direct connection, white. Length adjustment fitting For connecting to plastic, copper,	with time cloc Capillary tube length [m] 2,00 5,00 10,00	(6.56 ft) (16.4 ft) (32.81 ft)	EAN 4024052191017 4024052191819 4024052192717 EAN 4024052323494	2802-00.500 2805-00.500 2810-00.500 Article No 1303-01.325
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve bodies. With direct connection, white. Length adjustment fitting	with time cloc Capillary tube length [m] 2,00 5,00 10,00	(6.56 ft) (16.4 ft) (32.81 ft) L 25	EAN 4024052191017 4024052191819 4024052192717 EAN 4024052323494	2802-00.500 2805-00.500 2810-00.500 Article No 1303-01.325 Article No 9713-02.354
	Remote dial with built-in sensor. Liquid filled sensor. Setting range 0 °C to 27 °C. Handwheel for all IMI Heimeier thermostatic valve bodies. With direct connection, white. Length adjustment fitting For connecting to plastic, copper, precision steel or multi-layer pipes.	with time cloc Capillary tube length [m] 2,00 5,00 10,00	(6.56 ft) (16.4 ft) (32.81 ft)	EAN 4024052191017 4024052191819 4024052192717 EAN 4024052323494	2802-00.500 2805-00.500 2810-00.500 Article No 1303-01.325





Compression fitting

for plastic pipe according to DIN 4726, ISO 10508. PE-X: DIN 16892/16893, EN ISO 15875; PB: DIN 16968/16969. Connection external thread G3/4 according to DIN EN 16313 (Eurocone). Nickel-plated brass.

Ø Pipe	EAN	Article No
12x1,1	4024052136018	1315-12.351
14x2	4024052134618	1311-14.351
16x1,5	4024052136117	1315-16.351
16x2	4024052134816	1311-16.351
17x2	4024052134915	1311-17.351
18x2	4024052135110	1311-18.351
20x2	4024052135318	1311-20.351



Compression fitting

for copper or precision steel pipe according to DIN EN 1057/10305-1/2. Connection external thread G3/4 according to DIN EN 16313 (Eurocone). Metal-to-metal joint. Nickel-plated brass. With a pipe wall thickness of 0.8-1 mm insert supporting sleeves. Heed pipe manufacturer's technical advice.

Ø Pipe	EAN	Article No
12	4024052214211	3831-12.351
14	4024052214310	3831-14.351
15	4024052214617	3831-15.351
16	4024052214914	3831-16.351
18	4024052215218	3831-18.351

 L	\rightarrow

Support	sleeve
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for copper or precision steel pipe with a	Ø Pipe	L	EAN	Article No
1 mm wall thickness. Brass.	12	25,0	4024052127016	1300-12.170
	15	26,0	4024052127917	1300-15.170
	16	26,3	4024052128419	1300-16.170
	18	26,8	4024052128815	1300-18.170



Compression fitting

for copper or precision steel pipe according to DIN EN 1057/10305-1/2 and stainless steel pipe. Connection external thread G3/4 according to DIN EN 16313 (Eurocone). Soft sealed, max. 95°C. Nickel-plated brass.

Ø Pipe	EAN	Article No
15	4024052515851	1313-15.351
18	4024052516056	1313-18.351

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Compression fitting for Alu/PEX multi-layer pipe according to	Ø Pipe		EAN
DIN 16836. Connection external thread G3/4 according to DIN EN 16313 (Eurocone). Nickel-plated brass.	16x2 4024052137312		
Double connection fitting For clamping plastic, copper, precision		L	EAN
steel or multi-layer pipes. Brass, nickel-plated.	G3/4 x R1/2	26	4024052308415



Double nipple

Both sides for clamping plastic, copper, precision steel or multi-layer pipes. Brass nickel-plated.

	EAN	Article No
G3/4 x G3/4	4024052136315	1321-03.081

Article No

Article No

1321-12.083

1331-16.351



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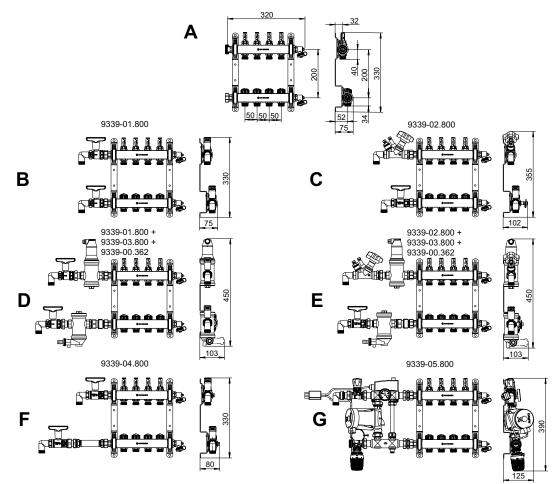
with automatic flow limiter for	EAN	Article No
Dynacon Eclipse.	4024052966714	9340-00 300



Dynacon Eclipse flow indicator		
Spare insert.	EAN	Article No
	4024052979615	9340-00.101

<	Replacement filling, draining, flushing ar	nd venting device 1/2"		
ħ			EAN	Article No
Ĵ		1/2"	4024052989218	9321-00.102

Dimensions - manifold and connection kits

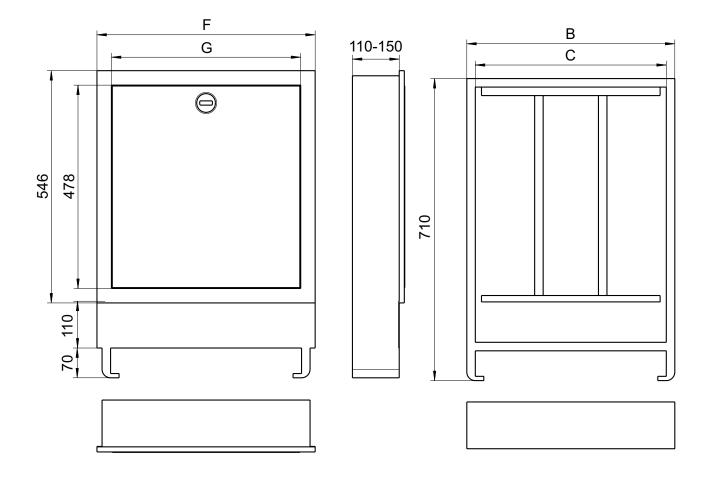


	Heating circuit manifold, heating circuits	2	3	4	5	6	7	8	9	10	11	12
Α	Length [mm]	220	270	320	370	420	470	520	570	620	670	720
В	Length, including kit 1 + 50 mm bend *	355	405	455	505	555	605	655	705	755	805	855
	Box size	1	1	2	2	3	3	3	4	4	4	5
С	Length, including kit 2 + 50 mm bend *	390	440	490	540	590	640	690	740	790	840	890
	Box size	1	2	2	3	3	3	4	4	4	5	5
D	Length, including kit 1 and kit 3 + 50 mm bend *	530	580	630	680	730	780	830	880	930	980	1030
	Box size	3	3	3	4	4	4	5	5	5	6	6
Е	Length, including kit 2 and kit 3 + 50 mm bend *	535	585	635	685	735	785	835	885	935	985	1035
	Box size	3	3	3	4	4	4	5	5	5	6	6
F	Length, including kit 4 + 50 mm bend *	505	555	605	655	705	755	805	855	905	955	1005
	Box size	2	3	3	3	4	4	4	5	5	5	6
G	Length, including kit 5 Fixed value control station	560	610	660	710	760	810	860	910	960	1010	1060
	Box size	3	3	3	4	4	4	5	5	5	6	6

*) Supplied without bend

Dimensions - manifold boxes

9339-80/81....800



Size	Manifold box W x H [mm]	Shell construction W x H [mm]	В	С	F	G
Flush-n	nounted box, install	ation depth 110 - 150 mm				
1	490 x 710	510 x 730	489	449	513	445
2	575 x 710	595 x 730	574	534	598	530
3	725 x 710	745 x 730	724	684	748	680
4	875 x 710	895 x 730	874	834	898	830
5	1025 x 710	1045 x 730	1024	984	1048	980
6	1175 x 710	1195 x 730	1174	1134	1198	1130
Note th	e minimum installat	tion depth 125 mm for con	nection set 5!		·	



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