C264 | H264 | Autoflow (without Drain & Strainer)

Fig C264 for chilled water

Fig H264 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1050 Autobalance	1	DZR Brass	12165 CW602N
3. Fig. 100 Ball Valve	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	1" male
A	mm	115	120	120
B	mm	120	125	125
D	mm	45	54	54
D1	mm	110	119	119
F	mm	155	160	160
G	mm	43	43	43
G1	mm	85	85	85
H	mm	80	80	80
J	mm	42	42	32.5
K	mm	51	51	51
Weight	kg	1.75	2.04	1.88

DIMENSIONAL DRAWING

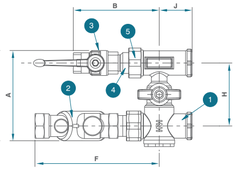


Fig C264

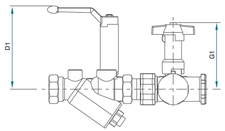
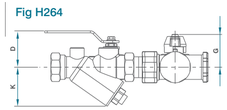


Fig H264



Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C264 is suitable for chilled water applications | Fig. H264 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration

Hattersley

DELTA ROAD, ST HELENS, WA9 2ED

HOME SALES: +44 (0)1744 458670
EXPORT SALES: +44 (0)1744 458671
FAX: +44 (0)1744 26912
EMAIL: uksales@hattersley.com
EMAIL: export@hattersley.com

www.hattersley.com

FM311
ISO 9001

- Designed and manufactured under quality management systems in accordance with BS EN 9001:2008

H_Hookupll_09_09

WATER
HEATING
VENTILATION
AIR CON

FLOW MASTER

FUTURE VALVE TECHNOLOGY

Hook-Up II

Flow Management Module for Fan Coils and Terminal Unit Applications

New

- Ultra compact, prefabricated unit
- Provides flow control, measurement, flushing and isolation
- Can be tailored to customer's specifications
- For use with Chilled water, LTHW and MTHW
- Reduces time, costs and specification risks

Hattersley

Quality, reliability & service assured

The new generation Hook-Up II is designed to be more compact with reduced centres and easier to install in tight spaces. Pre-assembled, tested and ready to connect, the Hook-Up II is a cleverly conceived combination of all the components necessary to provide flow management for terminal units, such as fan coils and chilled beams.

Hook-Up II
Maximum Performance Benefits

Hook-Up II provides flow control, measurement, flushing and isolation, using bronze and DZR brass components. It is PN16 rated with versions suitable for chilled, low and medium temperature hot water, ranging from -10°C to a maximum of 120°C. Available in 1/2", 3/4" and 1" sizes.

The Hook-Up II is pre-fabricated using proven, stringently tested Hattersley products. The fully assembled unit is tested to BS EN 12266-1 prior to delivery. For a complete list of components see the specification for each Fig. No. on the following pages.

The newly designed Hook-Up II features a number of design improvements. A single cast H-body reduces the number of joints and reduces the weight and size of the module. Any combination of components can be selected to attach to the H-body, depending on the site specifications

Benefits

For the design engineer there are many advantages. With all the components supplied as one pre-tested unit, minimal design involvement is needed and the performance of the entire unit is known in advance.

For the contractor the need for only four connections offers significant reductions in costs. The fully tested, guaranteed and standardised components are pressure tested before leaving Hattersley. Apart from the cleaning of the strainer, the Hook-Up II is designed to be maintenance free.

This brochure outlines our standard range but other options can be made by special arrangement.

Flow and Return Connections:

- **A** Flow Connection from Pipework
- **B** Flow Connection to the Terminal Unit
- **C** Return Connection from the Terminal Unit
- **D** Return Connection to Pipework

Centralised Isolation Valve
Allows easy back flushing, forward flushing and isolation. An extension stem is added for chilled water services
1

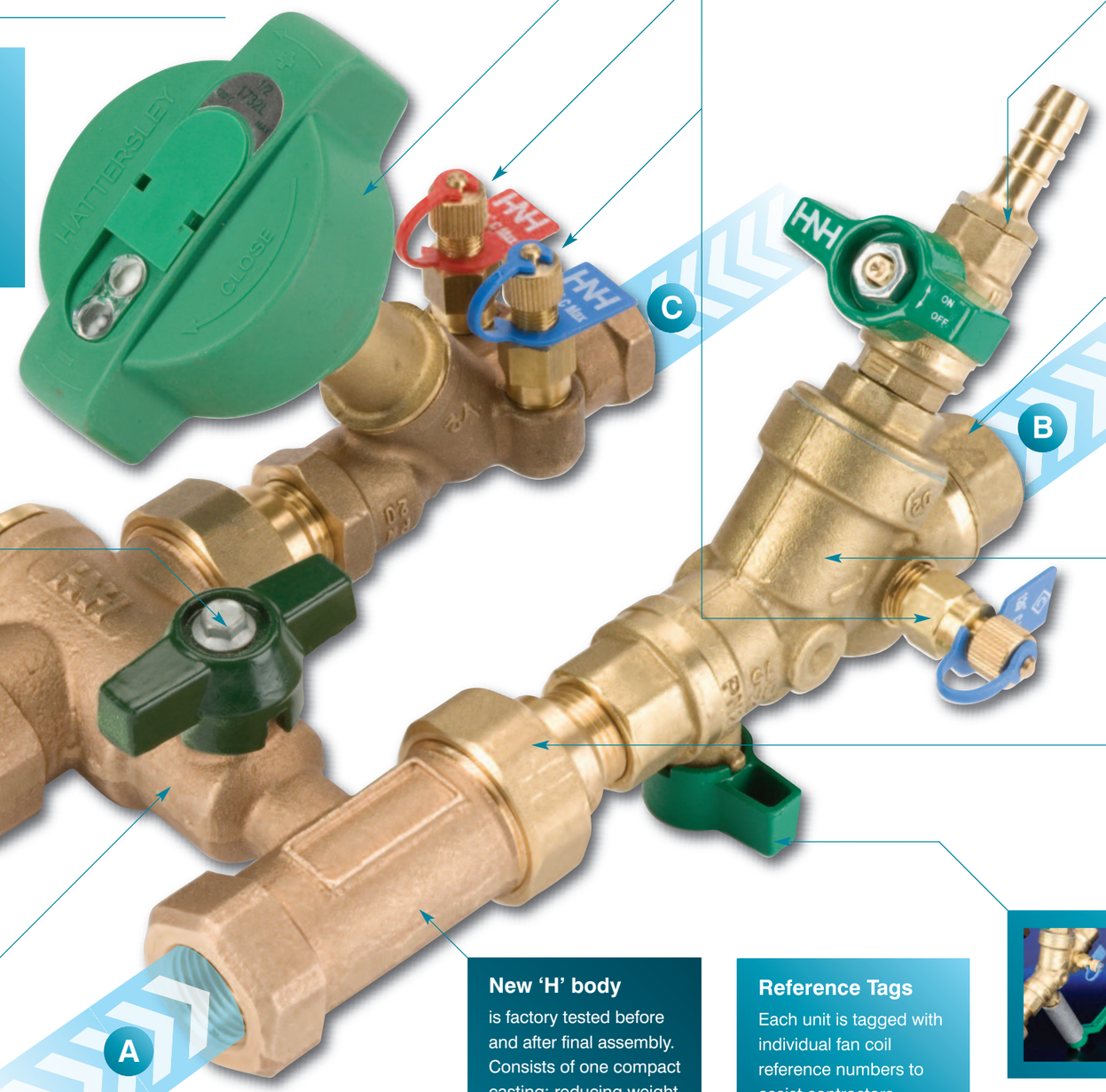
Commissioning Set
Adjusts and sets the flow rate with proven high accuracy. Customers can opt for manually set DR valve or a motorised DR valve *(left)*.
2

Fig 266 for heated water is shown here

Pressure Test Points
Allows measurement of pressure drop across load and orifice.
3

Draincock (optional)
In case of blockages, allows flushing of strainer without need to remove basket.
4

End Connectors
Simple connection to system. Standard threads allow connections to any possible pipes. Installed directly on flow and return connections of heating and cooling terminal units i.e. fan coils and chilled beams.
5



Strainer
Keeps system clean. Filters flow before it reaches terminal unit.
6

Union Connector
Can be orientated as required allowing custom alignment and features an integral O-ring to ensure joints are pressure tight.
7

Extension Stems
For chilled water services, extension stems are added to isolation ball valve to ease lagging.
8

Reference Tags
Each unit is tagged with individual fan coil reference numbers to assist contractors.
9

New 'H' body
is factory tested before and after final assembly. Consists of one compact casting; reducing weight and size.
10

Flushing bypass
11

C266 | H266 | Manual (with Drain & Strainer)

Fig C266 for chilled water

Fig H266 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1732/M/L DRV	1	Bronze	1982 CC491K
3. Fig. 1807 Strainer Ball	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Fig. 103 Blow Down Valve	1	DZR Brass	12165 CW602N
6. Fig. 631 Test Points	1	DZR Brass	12165 CW602N
7. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	1" male
A	mm	143	143	143
B	mm	170	185	185
C	mm	205	215	215
D	mm	38	47	47
D1	mm	105	119	119
E	mm	110	120	120
F	mm	145	155	155
G	mm	110	111	111
H	mm	80	80	80
J	mm	42	42	32.5
Weight	kg	2.35	2.70	2.55

DIMENSIONAL DRAWING

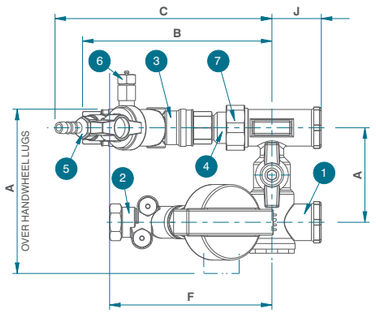


Fig C266

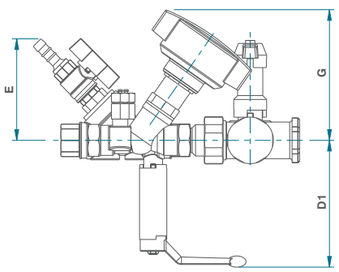
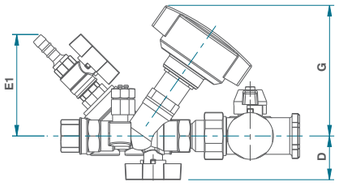


Fig H266



Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C266 is suitable for chilled water applications | Fig. H266 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration

C268 | H268 | Manual (without Drain & Strainer)

Fig C268 for chilled water

Fig H268 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1732/M/L DRV	1	Bronze	1982 CC491K
3. Fig. 100 Ball Valve	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	1" male
A	mm	143	143	143
B	mm	120	125	125
D	mm	45	54	54
D1	mm	110	119	119
F	mm	145	155	155
G	mm	110	111	111
H	mm	80	80	80
J	mm	42	42	32.5
Weight	kg	1.90	2.20	2.05

DIMENSIONAL DRAWING

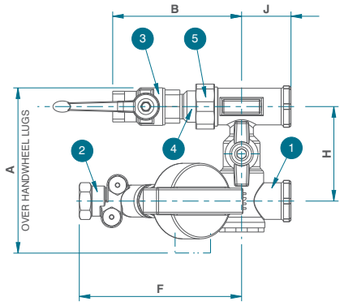


Fig C268

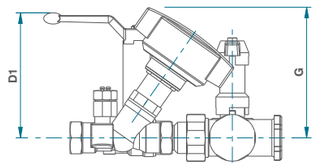
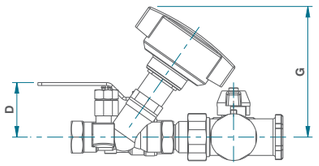


Fig H268



Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C268 is suitable for chilled water applications | Fig. H268 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration

C267 | H267 | Motorised (with Drain & Strainer)

Fig C267 for chilled water

Fig H267 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1832/M/L DRV	1	Bronze	1982 CC491K
3. Fig. 1807 Strainer Ball	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Fig. 103 Blow Down Valve	1	DZR Brass	12165 CW602N
6. Fig. 631 Test Points	1	DZR Brass	12165 CW602N
7. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	3/4" male
A	mm	125	125	125
B	mm	170	185	185
C	mm	205	215	215
D	mm	38	47	47
D1	mm	105	119	119
E	mm	110	120	120
F	mm	145	155	155
G	mm	43	43	43
G1	mm	85	85	85
H	mm	80	80	80
J	mm	42	42	32.5
Weight	kg	2.20	2.54	2.38

DIMENSIONAL DRAWING

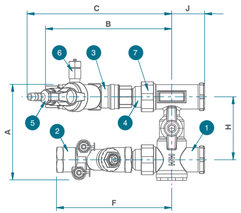


Fig C267

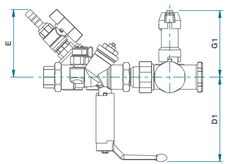
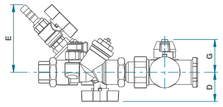


Fig H267



Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C267 is suitable for chilled water applications | Fig. H267 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration

C269 | H269 | Motorised (without Drain & Strainer)

Fig C269 for chilled water

Fig H269 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1832/M/L DRV	1	DZR Brass	12165 CW602N
3. Fig. 100 Ball Valve	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	1" male
A	mm	125	125	125
B	mm	120	125	125
D	mm	45	54	54
D1	mm	110	119	119
F	mm	145	155	155
G	mm	43	43	43
G1	mm	85	85	85
H	mm	80	80	80
J	mm	42	42	32.5
Weight	kg	1.75	2.04	1.88

DIMENSIONAL DRAWING

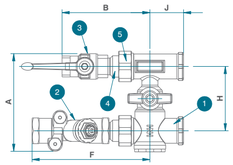


Fig C269

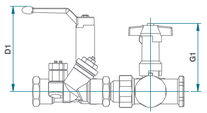


Fig H269

Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C269 is suitable for chilled water applications | Fig. H269 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration

C262 | H262 | Autoflow (with Drain & Strainer)

Fig C262 for chilled water

Fig H262 for heated water

MATERIALS

Component	Quantity	Material	BS EN Specification
1. H - Body (DN15 - DN20)	1	Bronze	1982 CC491K
2. Fig. 1050 Autoflow	1	DZR Brass	12165 CW602N
3. Fig. 1807 Strainer Ball	1	DZR Brass	12165 CW602N
4. Union Connector	2	DZR Brass	12165 CW602N
5. Fig. 103 Blow Down Valve	1	DZR Brass	12165 CW602N
6. Fig. 631 Test Points	1	DZR Brass	12165 CW602N
7. Union Nut	2	Brass	12164 CW614N

DIMENSIONS AND WEIGHTS

Nominal Size	Unit	1/2" female	3/4" female	1" male
A	mm	115	120	120
B	mm	170	185	185
C	mm	205	215	215
D	mm	51	51	51
D1	mm	105	119	119
E	mm	110	120	120
F	mm	155	160	160
G	mm	43	43	43
G1	mm	85	85	85
H	mm	80	80	80
J	mm	42	42	32.5
Weight	kg	2.20	2.54	2.38

DIMENSIONAL DRAWING

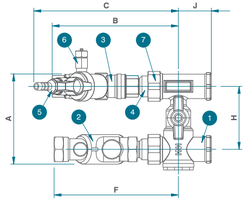


Fig C262

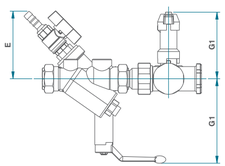
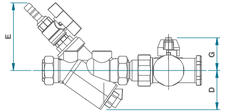


Fig H262



Pressure/Temperature Rating PN16 -10° to 120°C

Service Rating Fig. C262 is suitable for chilled water applications | Fig. H262 is suitable for LTHW and MTHW applications

Test Pressures Tested to BS EN 12266-1

Specification Both modules can adopt a left or right-handed configuration