Manifold Chamber DC4

Type DC4 moulded manifold chambers are used in combination with geothermal manifolds. They provide security as well as a central location for controlling and monitoring the flow and pressure of geothermal ground source heat recovery systems. Moulded from tough, 11mm thick, solid walled polyethylene, they are available in various sizes and inlets and outlets options together with accessories such as control valves, flow meters, fill and bleed ports and pressure gauges.

It has a 3.5 Tonne (35kN) removable lid and is suitable for installation within driveways or areas of occasional light slow-moving traffic.

Applications

- Geothermal ground source heat recovery systems
- Multi-well installations

Options

- 0-6 bar pressure gauge
- -20 to +40°C temperature gauge

Features

- 5 year limited warranty as standard
- Compact & lightweight
- Rotational moulded
- Water resistant
- Frost protection (approx. 480mm)
- Flow control valves
- Flow measurement valves
- Fill/bleed valves
- Pressure tested to 4 bar
- 3.5 Tonne (35kN) removable lid
- Horizontal manifold

General Specifications	
Material	Polyethylene (PE100)
Outside dimensions (W x L x H)	1040mm x 1040mm x 1141mm
Lid clear open aperture	596mm
Inside dimensions (W x L x H)	980mm x 980mm
Depth to centre of first inlet	736mm
Manifold orientation	Horizontal
Number of ways*	7-12, dependent on series
Maximum operating pressure	6 bar

* Each way comprises one flow and one return

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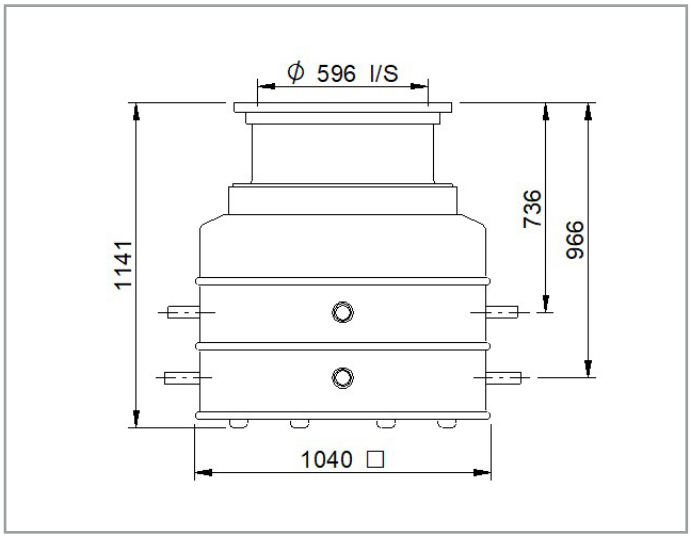
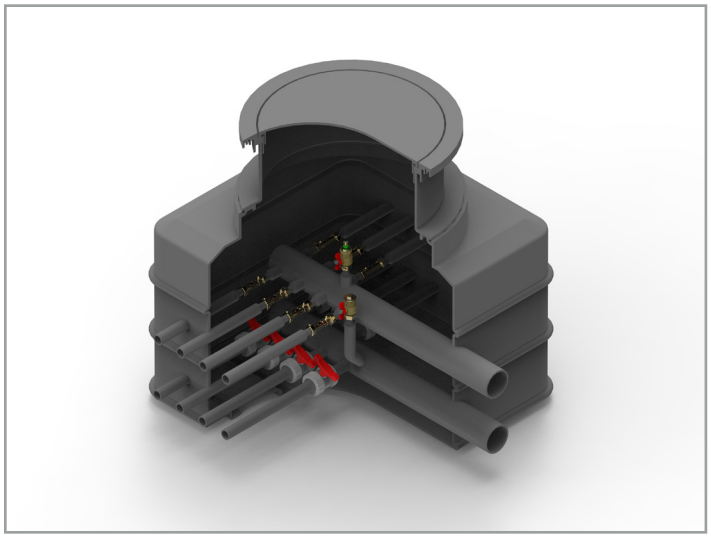
Specifications may change without prior notice

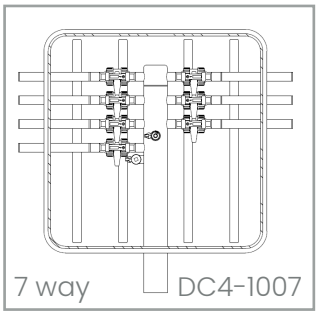
Manifold Chamber DC4

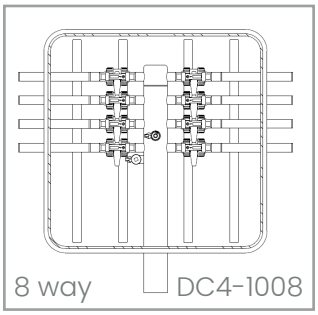
Series 1000

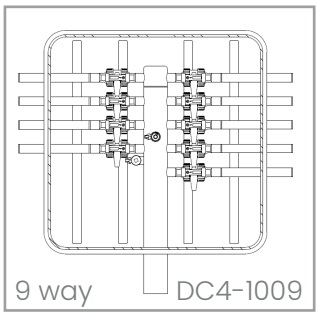




Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	None
Top (Return) Manifold flow control	8-38 lpm flow meter
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve


7 way DC4-1007


8 way DC4-1008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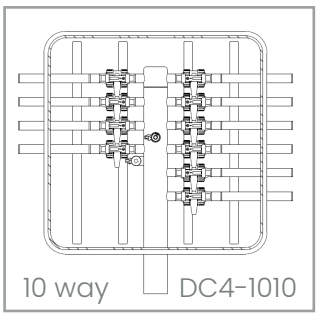
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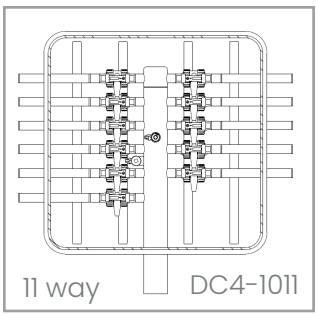
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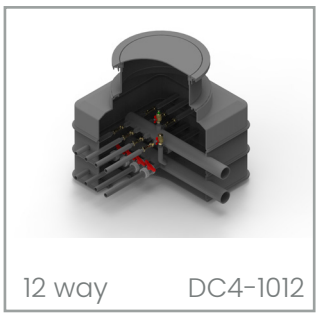
12 way DC4-1012

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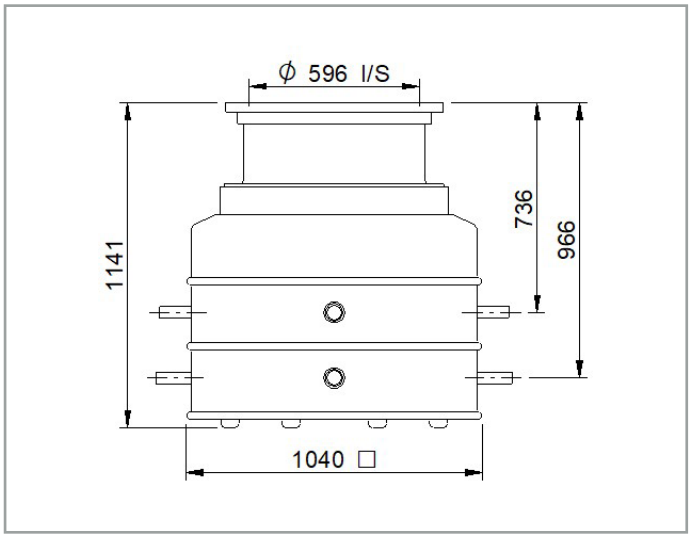
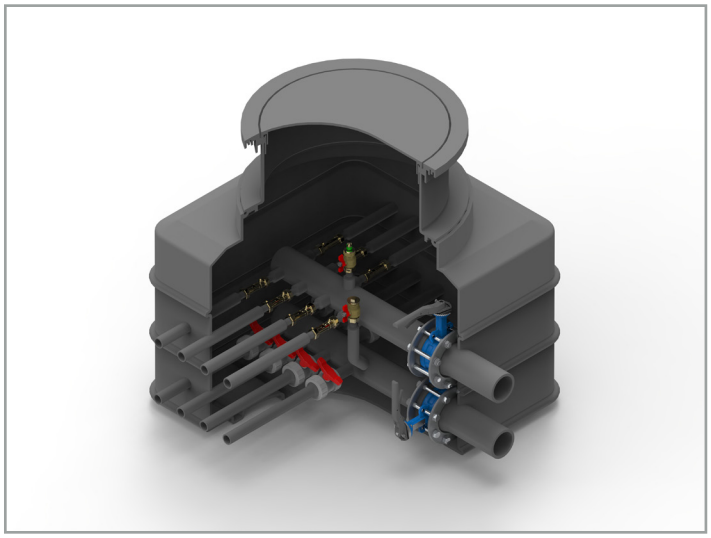
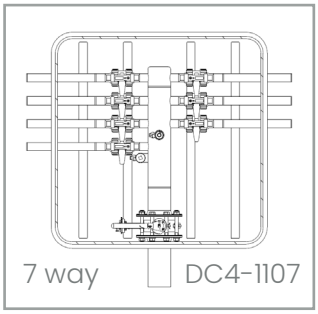
Manifold Chamber DC4

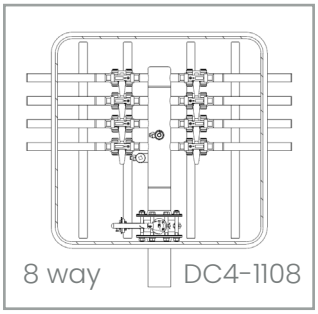
Series 1100

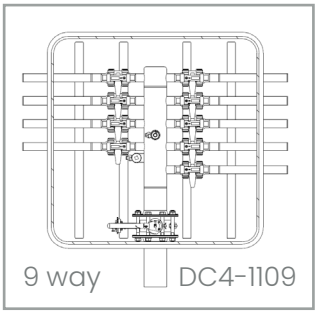


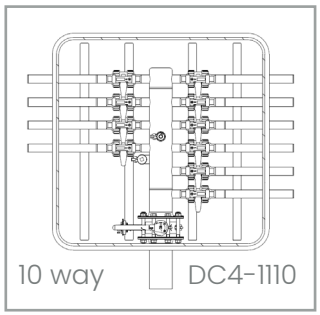


Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	DN100 butterfly valve
Top (Return) Manifold flow control	8-38 lpm flow meter
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve









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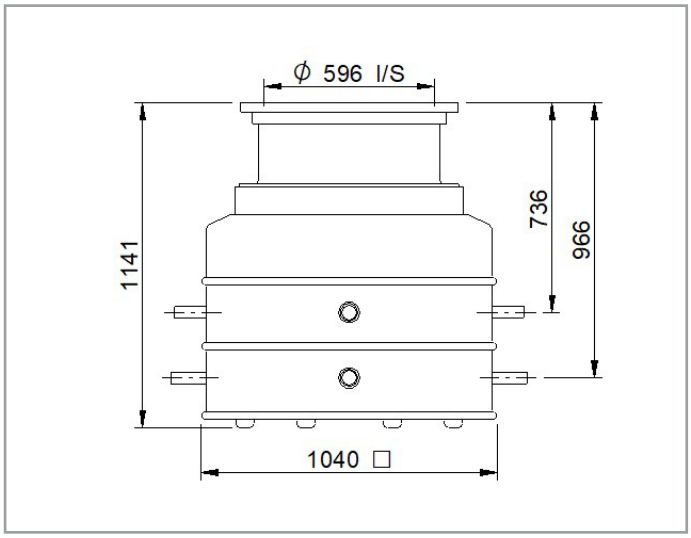
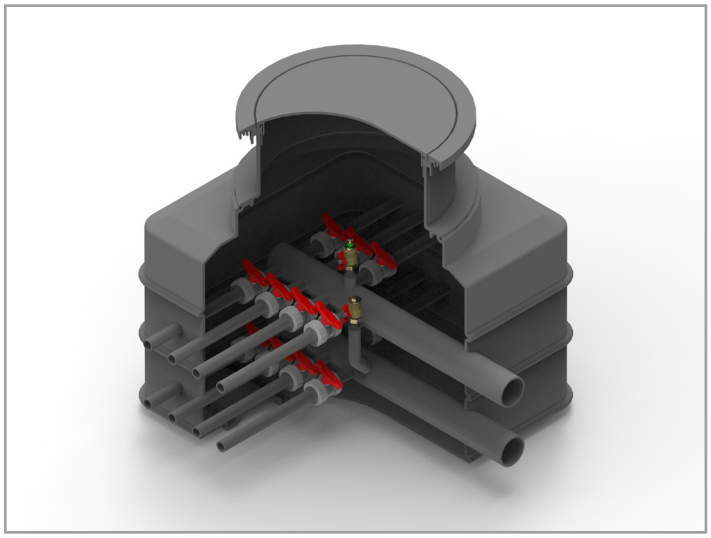
Specifications may change without prior notice

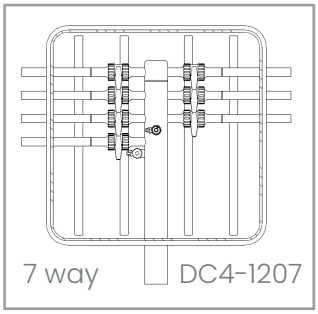
Manifold Chamber DC4

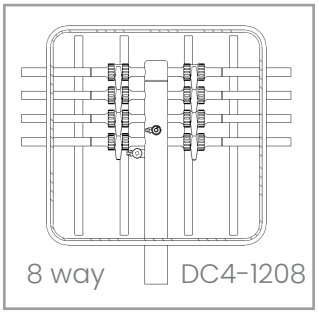
Series 1200

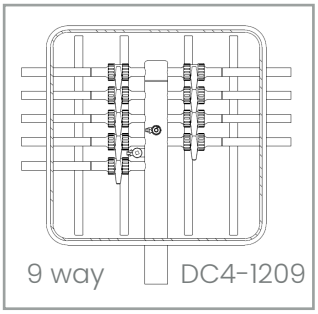


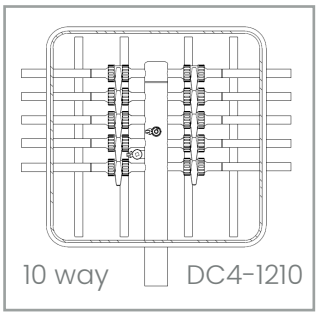


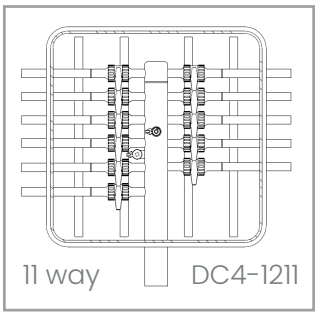
Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	None
Top (Return) Manifold flow control	DN32 PVC ball valve
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve

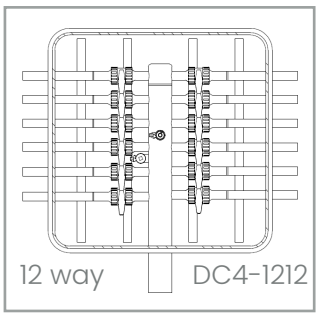












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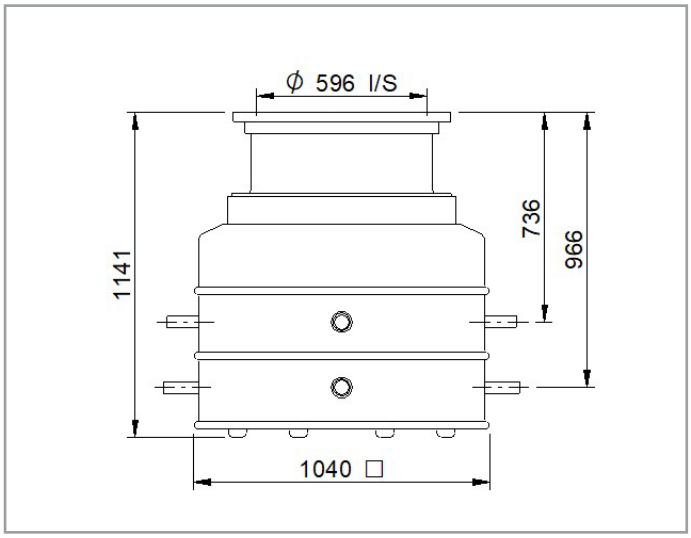
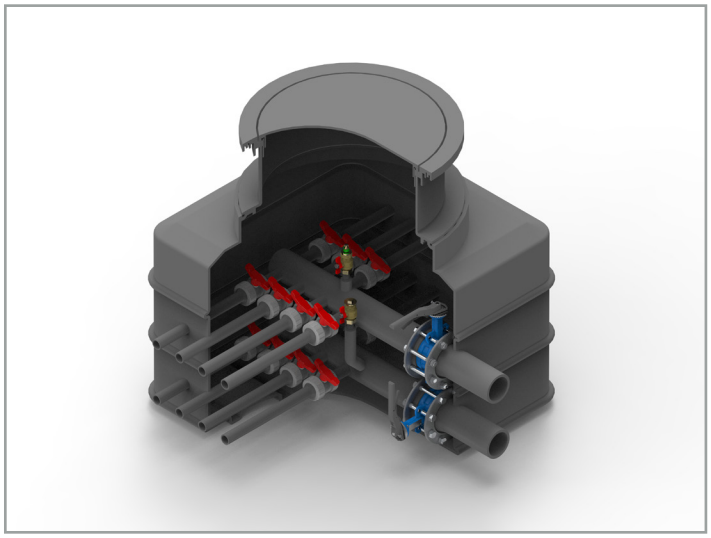
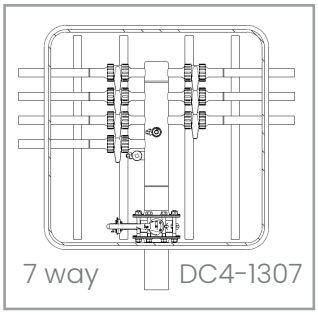
Manifold Chamber DC4

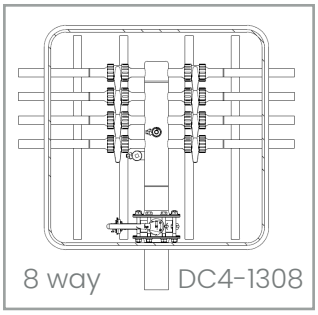
Series 1300

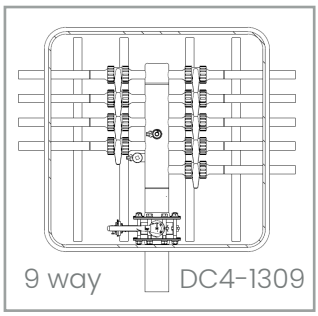


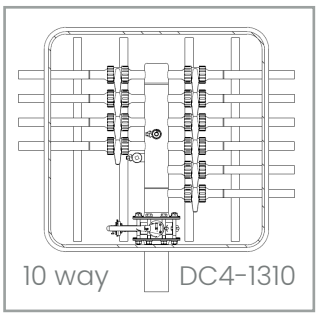


Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	DN100 butterfly valve
Top (Return) Manifold flow control	DN32 PVC ball valve
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve









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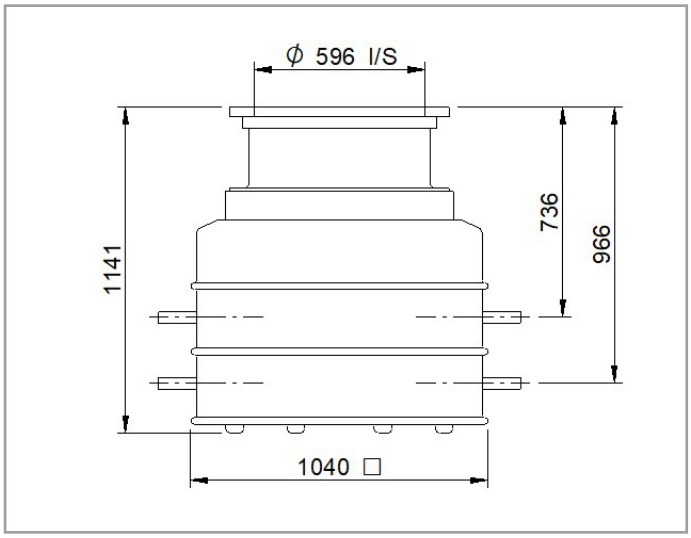
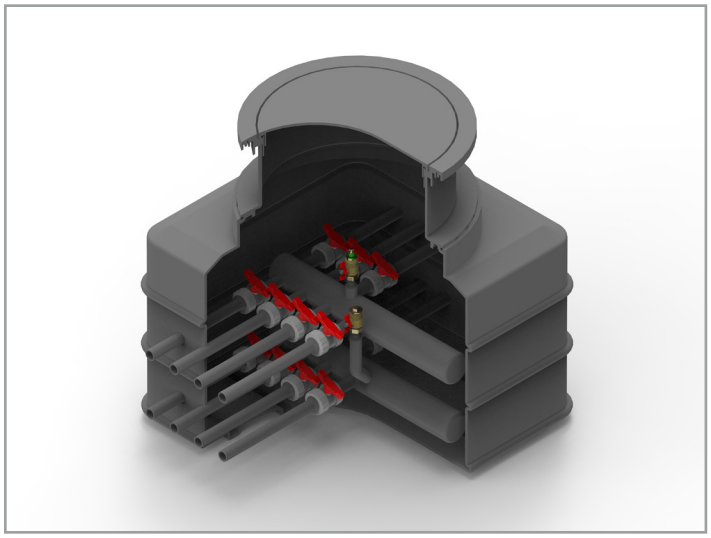
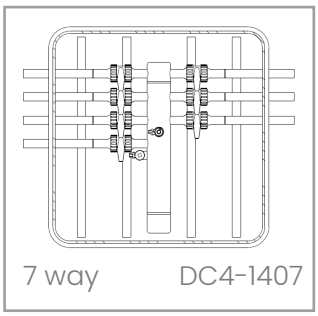
Manifold Chamber DC4

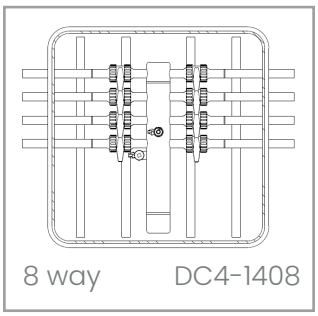
Series 1400





Specifications	
Manifold OD	110mm
Heat pump connection OD	Not Applicable
Loop connection OD	40mm
Heat Pump flow isolation	Not Applicable
Top (Return) Manifold flow control	DN32 PVC ball valve
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve


7 way DC4-1407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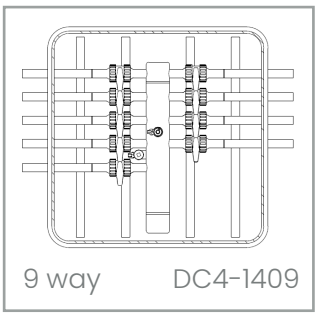
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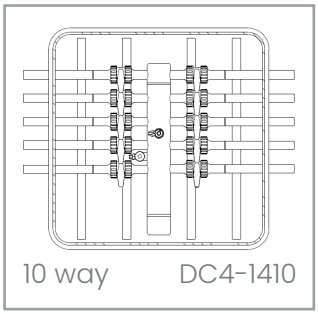
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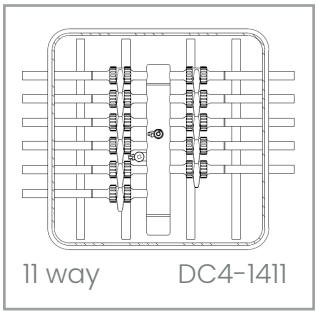
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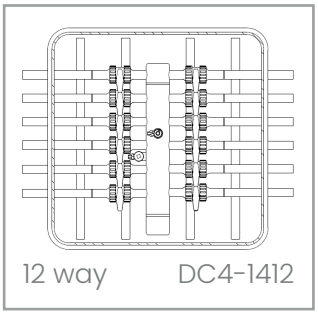
12 way DC4-1412

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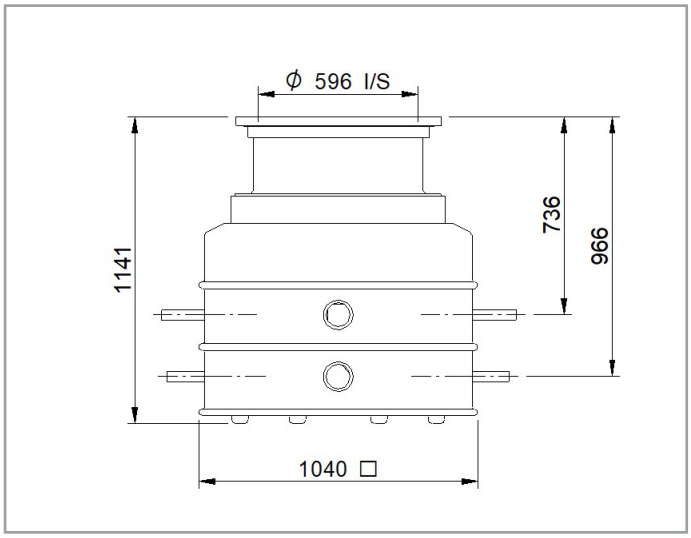
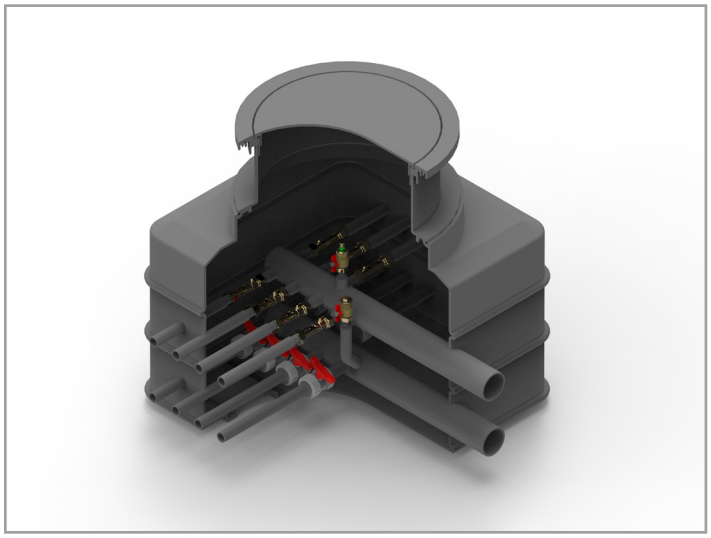
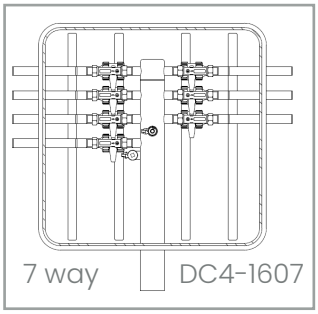
Manifold Chamber DC4

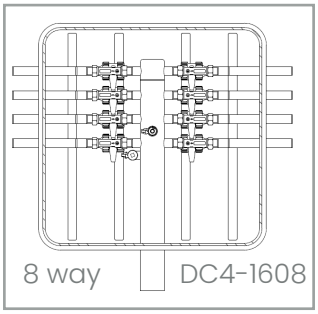
Series 1600

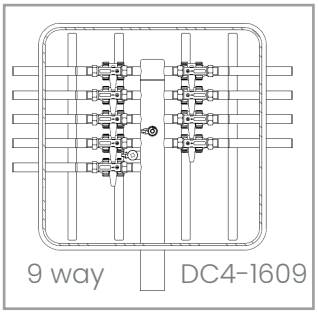


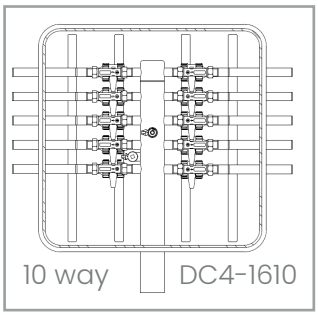


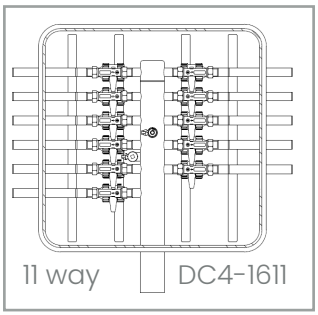
Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	None
Top (Return) Manifold flow control	20-70 lpm flow meter
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve

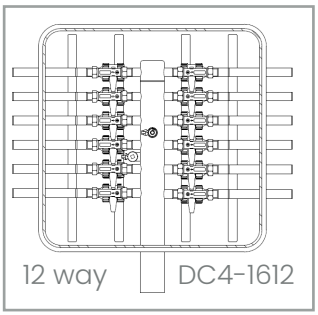












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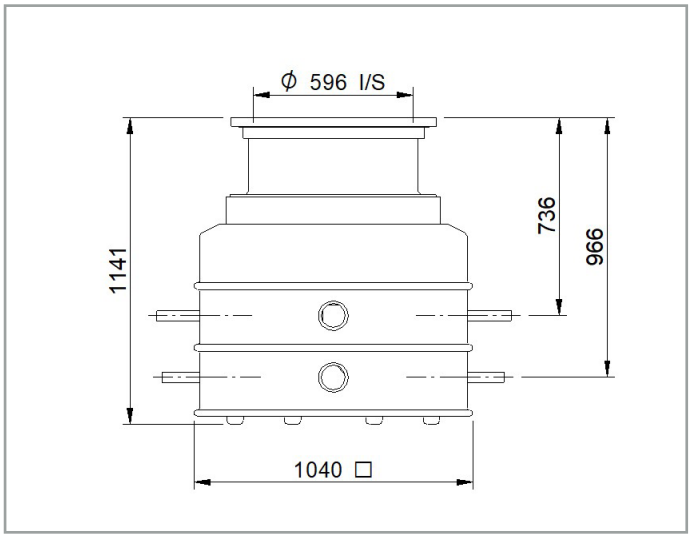
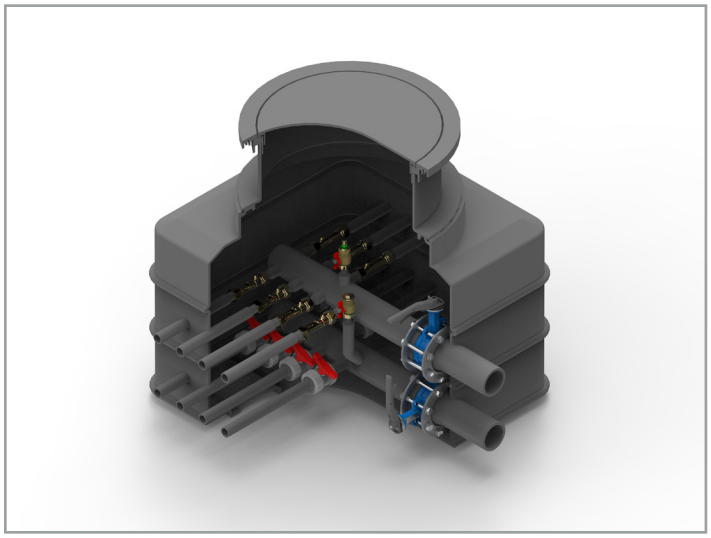
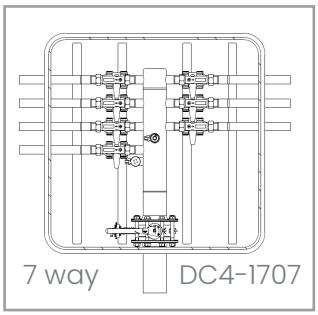
Manifold Chamber DC4

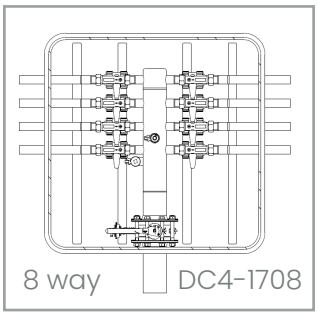
Series 1700

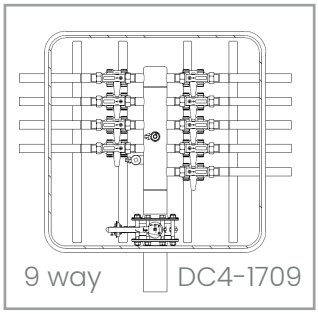


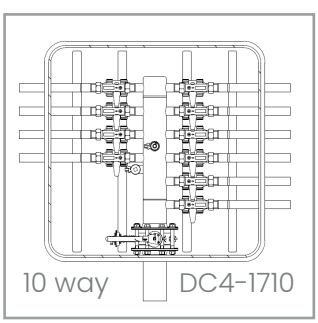


Specifications	
Manifold OD	110mm
Heat pump connection OD	110mm
Loop connection OD	40mm
Heat Pump flow isolation	DN100 butterfly valve
Top (Return) Manifold flow control	20-70 lpm flow meter
Bottom (Flow) Manifold flow control	DN32 PVC ball valve
Fill/Bleed	1" Brass Ball Valves c/w blanking plug and bleed valve









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Specifications may change without prior notice