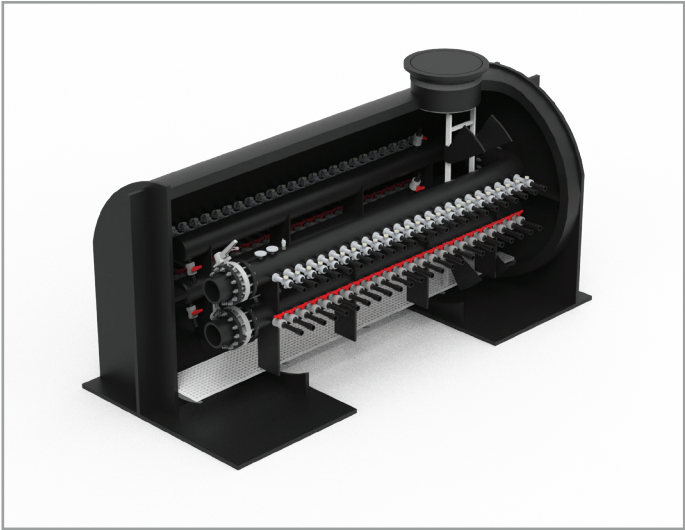




Features

- 5 year limited warranty as standard
- Rated chamber
- Water resistant telescopic removable lid
- Pressure tested to 4 bar
- Various flow control/measurement valve options
- Fill/bleed valves
- Customisable

U Boat Manifold Chambers are bespoke designed & manufactured to suit individual designer and project requirements and are typically used in large geothermal projects.

Fabricated from polyethylene, U Boat distribution chambers can accommodate different manifold designs including options for manifold size, flow meters, flow control valves, number and size of inlets and outlets and fill and bleed ports.

Fully customisable MGS can manufacture to suit specific project requirements.

Optional Extras

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

Overview	
Chamber ID	1600, 1800, 2000 – Others available on request
Chamber SN Rating (ring stiffness)	2, 4, 6
Chamber Length	3m, 4m, 6m – Custom lengths up to 12m also available.
Manifold Layout	I, U, Y
Primary Diameter	110, 125, 160, 180, 200, 225, 250
Primary Isolation	None, Plastic, Metal
Fill / Bleed	1", 2" Camlock, 32mm (DN25) Mefco
Drain Valve	None, 32mm (DN25) Mefco
Maximum Outlets	UB3 (3m) – 34, UB4 (4m) – 48, UB6 (6m) – 78. Dependant on secondary size and configuration
Return Configuration	Ball Valve, 8–38 Brass Flow Setter, 20–70 Brass Flow Setter, 5–40 Plastic Flow Setter, FODRV's
Flow Configuration	Ball Valve
Riser Height (Nominal riser height from ground)	Min 2100mm – Max 3100mm



Specifications

Configuration	Description		UB3	UB4	UB5	*Others available on request
Chamber ID	Chamber internal diameter	mm	1600	1800	2000	
Chamber Stiffness	Stiffness rating of the Pipe	N/m/m	2	4	6	
Chamber Length	Pipe Length of Chamber	mm	3000	4000	6000	
Lid clear open aperture		mm	596			
	Max Outlets U (130mm spacings)	qty	34	48	78	

Manifold Layout	Layout of Primary Header	Type	I, U & Y		
Primary Diameter	OD of the Primary Headers	mm	110, 125, 140, 160, 180, 200, 225, 250		
Primary Isolation	Isolation Valve for Primaries	Type	None, plastic, metal		
Fill / Bleed Type	Type of Fill and Bleed Valves	Type	1", 2" Camlock, 32mm PVC Ball valve		
Drain Valve	Drain valve for chamber	Type	None, PVC Ball valve		

Secondary Diameter	mm	40	45	50	63
Number of Secondaries	UB3 (3m)	1 - 34	1 - 34	1 - 34	1 - 28
	UB4 (4m)	34 - 48	34 - 48	34 - 48	28 - 40
	UB6 (6m)	49 - 78	49 - 78	49 - 78	41 - 66

Secondary Flow Configuration of top line (flow) Secondary Flow Config	Type	Ball Valve, Brass Flowsetters (8-38, 20-70, 30-120 & 50-200 l/min), Plastic flowsetters 5-40 l/min, FODRV's.
Secondary Flow Configuration of top line (return)	Type	PVC ball valves, Butterfly valves

Maximum operating pressure	10 bar
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