








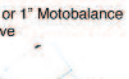


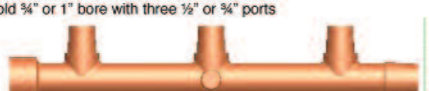




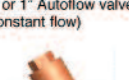



# Manifold Design

OUTSIDE BOX	INSIDE MANIFOLD BOX		
 <b>HOOK-UP BODY</b>	 <b>MAIN VALVE SET</b>	<b>SUPPLY MANIFOLD VALVE SET</b> 	 <b>END CAPS</b>
		 <b>1/2" &amp; 3/4" MANIFOLDS 2 - 6 PORTS</b>	
<b>METERING STATION</b>  Flow Measurement Device 1" or 3/4" (Outside of Manifold box)	Main valve set options 	Supply manifold valve set options 1/2" or 3/4" Ball valve 	Cap 1" or 3/4"   Drain 1" or 3/4" 
	3/4" or 1" Fixed orifice double regulating valve 	Manifold options Manifold 3/4" or 1" bore with two 1/2" or 3/4" ports 	
	3/4" or 1" Motobalance valve 	Manifold 3/4" or 1" bore with three 1/2" or 3/4" ports 	
	Hook-up 1/2" or 3/4" body incorporating shut-off valve 	Return manifold valve set options 1/2" or 3/4" Fixed orifice double regulating valve 	
3/4" or 1" DPCV 	1/2" or 3/4" Motobalance valve 		
3/4" or 1" Autoflow valve (Constant flow) 			
Strainer 3/4" or 1" (With ball valve) 			

HEATING  
VENTILATION  
AIR CON  
WATER



FUTURE VALVE TECHNOLOGY

# MultiComm

## Manifold Commissioning System



A multi-terminal, central location commissioning system for maximum convenience and minimal disruption



Quality reliability & service assured



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FM311  
ISO 9001



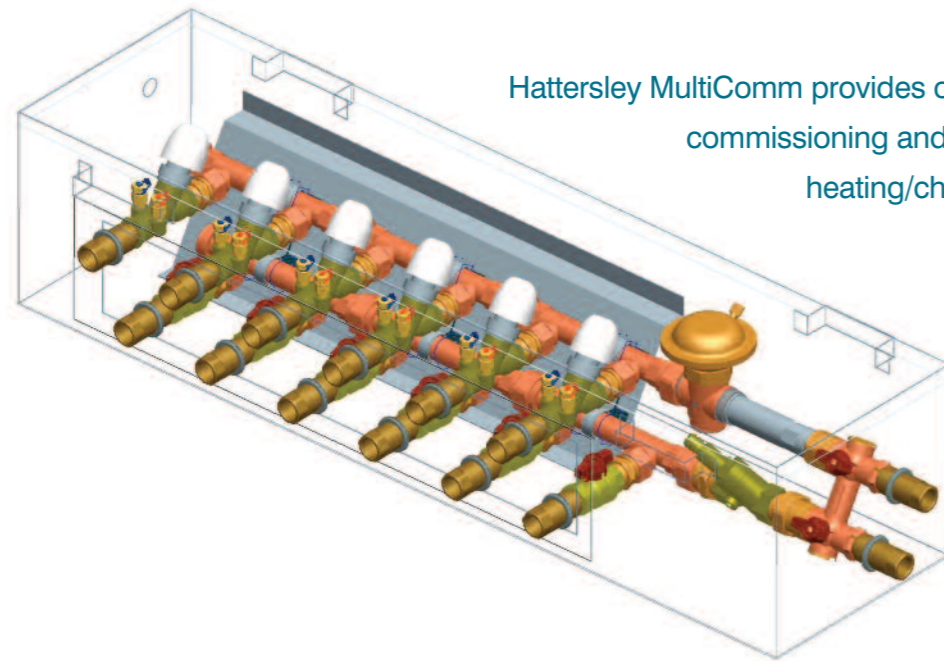
Visit [www.flowoffluids.com](http://www.flowoffluids.com) to reserve your copy of the New Technical Paper 410.

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

The Company reserve the right to amend any product without notice.

H\_MULTICOMM\_09\_09

# MultiComm Features and Benefits



Hattersley MultiComm provides one easy access point for commissioning and maintenance of multiple heating/chilled water terminal units.

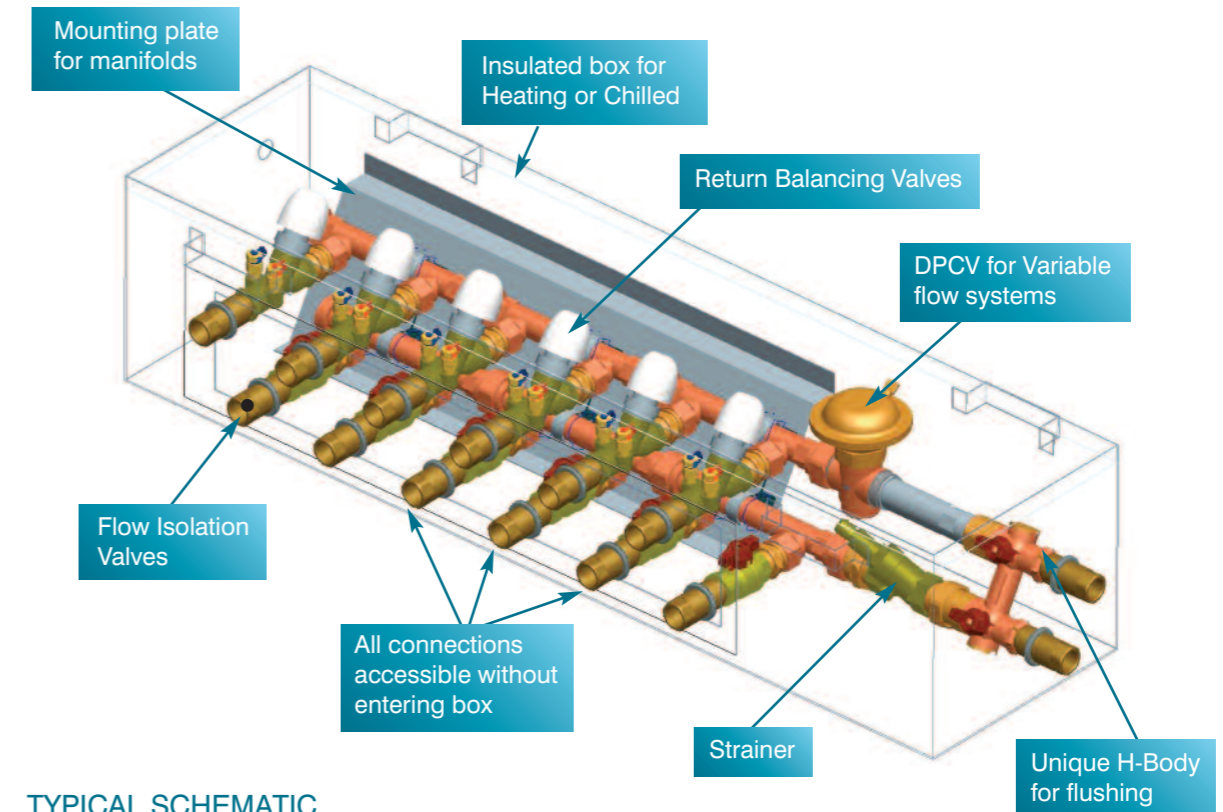
On large projects, significant time and cost can be eliminated by enabling commissioning at convenient locations. Ends of corridors, or accessible cupboards can be used, which would also eliminate disruption to occupiers during maintenance works.

The MultiComm is an exceptionally efficient, practical and versatile system:

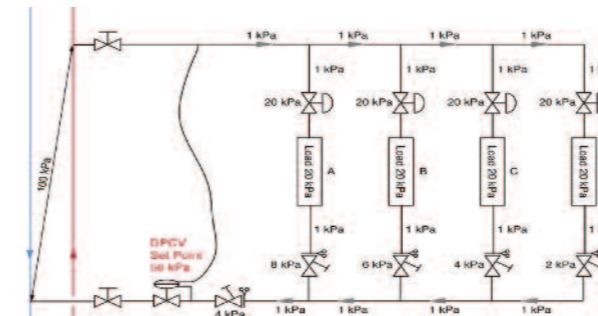
- Depending on flow rates, up to six terminals can be served from a single MultiComm unit.
- All units are custom built to suit site specification.
- All site connections can be made without the need to access the internal components.
- MultiComm is suitable for variable flow or constant flow systems.
- All connections are BSPT Female, enabling standard pipe or specialist adapters to be used.
- Fan coil units can be flushed, vented and balanced without the time-consuming 'looping out' procedure. This can be carried out by one commissioning engineer instead of a team.
- A single strainer serves all circuits, eliminating the need for individual strainers.
- All systems can be flushed through the unique Hook-Up 'H' body.
- The single DPCV maintains constant differential pressure between manifolds.



# Technical Data



## TYPICAL SCHEMATIC



Load D = Pipes 10 / 2 Port 20 / Load 20 / C. Set 2 / C. Set 4 = 20 + 56 = 36%  
 Load C = Pipes 8 / 2 Port 20 / Load 20 / C. Set 4 / C. Set 4 = 20 + 56 = 36%  
 Load B = Pipes 6 / 2 Port 20 / Load 20 / C. Set 6 / C. Set 4 = 20 + 56 = 36%  
 Load A = Pipes 4 / 2 Port 20 / Load 20 / C. Set 8 / C. Set 4 = 20 + 56 = 36%

## DIMENSIONS AND WEIGHTS

Outlets & Inlets	Length mm	Height mm	Width mm	Weight mm
6x6	1120	250	290	40
5x5	1120	250	290	38
4x4	880	250	290	36
3x3	880	250	290	34
2x2	640	250	290	30

Units with outlets and inlets on same side

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Units with outlets and inlets on opposite side

## MATERIAL SPECIFICATION

Part	Material
H - Body	Bronze
Strainer	Bronze (Fig 817)
Manifolds	Bronze
Isolation Valves	DZR Brass (Fig 100)
Regulation Valves	Bronze (1732 or 1832)

Maximum pressure 16 bar  
 Temperature rating -10 to 100°C