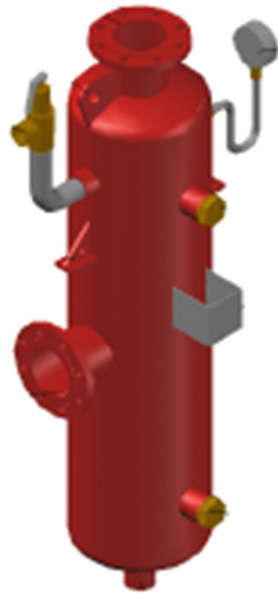




Thermal Products Ltd

Flash Vessels



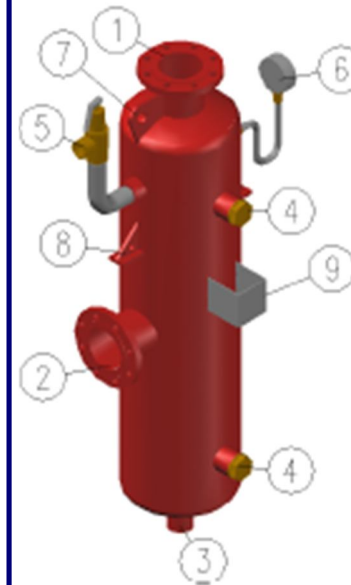
**Water Heating & Heat Recovery
For the Building Services Industry**



GMS Flash Vessels are designed and manufactured fully in accordance with BS5500 category 3, inspected during design & manufacture by an independent insurance company and supplied complete with data dossier. We offer a variety of sizes ranging from 150 Litres to 450 Litres (other sizes available on request; please contact our sales office for a quotation). Shell material is Mild Steel.

Intro

Components & Specification



Components

1. Flash Steam Outlet
2. Inlet
3. Condensate Outlet
4. Inspection Cover
5. Safety Valve
6. Pressure Gauge
7. Lifting Eyes
8. Support Brackets
9. Nameplate

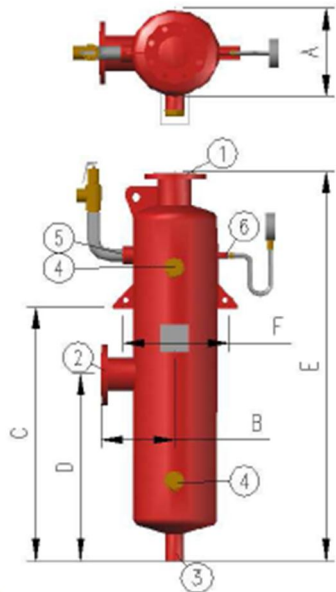
1. The vessel should be mounted with the flash steam outlet at the top and connected up as indicated on the manufacturers drawing. Each vessel incorporates a 3/8" BSP screwed boss for the pressure gauge, this can be supplied by GMS, please visit our spares brochure or contact us directly for more information.
2. For drainage, it is recommended that float trap is fitted.
3. A safety valve connection is provided on the vessel. However, it should not be assumed that the safety valve will be the same size as the connection. Safety valve sizing and selection should be in accordance with the pressure systems regulations.

Installation

Standard Connection & Dimension Details

Please note that the dimensions and connection sizes listed within this leaflet are for standard units. If you require alternative connection sizes or dimensions, please contact us.

Unit	Connection						Weight kg
	1	2	3	4	5	6	
FV150	2"	2"	2"	2"	¾"	3/8"	45
FV200	DN80	DN80	2"	2"	1"	3/8"	76
FV300	DN100	DN100	2"	2"	1 ½"	3/8"	130
FV400	DN150	DN150	DN80	2"	1 ½"	3/8"	150
FV450	DN150	DN150	DN80	2"	2"	3/8"	193



Unit	Dimension (mm)					
	A	B	C	D	E	F
FV150	168	104	370	620	1225	230
FV200	219	210	413	663	1391	281
FV300	324	262	418	668	1400	411
FV400	406	303	390	640	1275	492
FV450	457	329	514	764	1521	544

For further information please contact our sales team at:

Phone: 01457 835700

Fax: 01457 832700

Email: sales@gmsthermal.co.uk

Web: www.gmsthermal.co.uk

Address: GMS Thermal Products Ltd, Unit 5, Glover Centre, Egmont Street, Mossley, Ashton-Under-Lyne, OL5 9PY

To meet the requirements of the Pressure Systems Regulations there must be a "written scheme of examination" for the vessel, by the following procedure:-

- Isolate the vessel from the boiler and other pipework
- Remove the inspection plugs and visually examine the internal surfaces. Rinse any sediment away from the bottom. If excessive corrosion or erosion is evident inside the shell, commission a non-destructive examination (e.g. by ultra-sonics) to measure metal thickness. If the depth of corrosion exceeds the corrosion allowance shown on the drawing then further advice must be sought immediately.
- Replace the inspection plugs.
- If a hydraulic pressure test is required, replace the pressure gauge with one suitable to the site test pressure. Blank/spade off all connections. Conduct the test in accordance with Health and Safety Executive Guidance Note GS4 "Safety in Pressure Testing" (HMSO)."

Operation