

# VALE GARDEN HOUSES



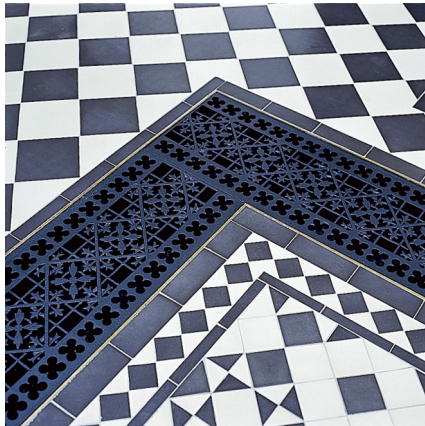
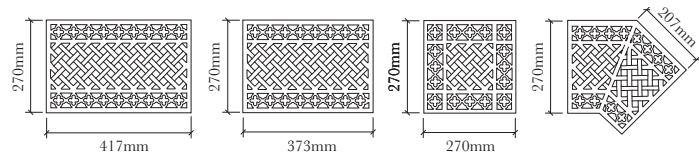
## FLOOR GRILLES

VALE GARDEN HOUSES LIMITED  
BELTON PARK LONDONTORPE ROAD GRANTHAM LINCOLNSHIRE NG31 9SJ  
TELEPHONE: 01476 564433 [WWW.FLOORGRILLES.CO.UK](http://WWW.FLOORGRILLES.CO.UK)



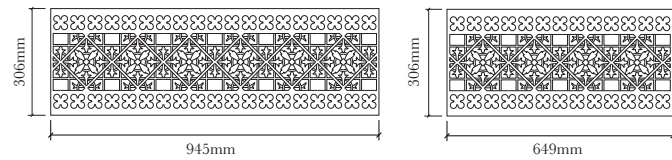
## HARSTON FLOOR GRILLES

Harston 417mm x 270mm (weight 6kg)	£55.00
Harston 373mm x 270mm (weight 5kg)	£49.00
Harston 270mm x 270mm (weight 4.1kg)	£41.00
Harston 22.5° corner grilles (weight 4.5kg)	£45.00

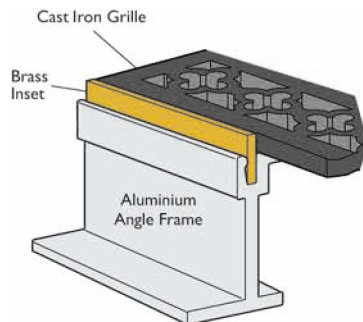


## BITTESWELL FLOOR GRILLES

Bitteswell 945mm x 306mm (weight 15kg)	£110.00
Bitteswell 649mm x 306mm (weight 10.5kg)	£90.00

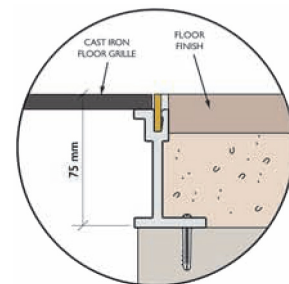


CAST IRON FLOOR GRILLES ARE PAINTED WITH A BLACK LOW SHEEN PAINT  
OCCASIONALLY TRACES OF RUST MAY BE FOUND BUT THESE CAN BE EASILY CLEANED AND PAINTED



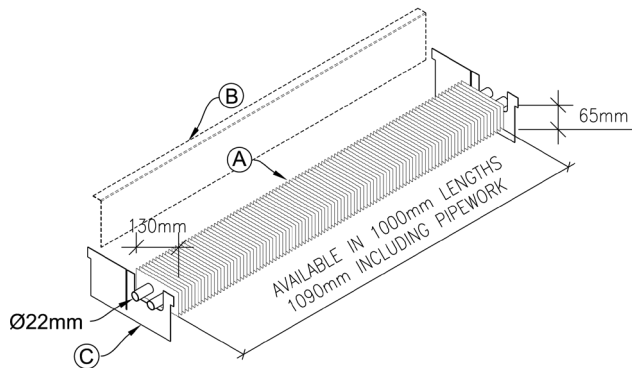
Aluminium angle support frame with brass inset.

£95.00 per metre (includes both sides)



## TYPE 'A' - FINNED COPPER PIPES ENCASED IN ALUMINIUM CONNECTED TO EXISTING CONVENTIONAL HEATING SYSTEM

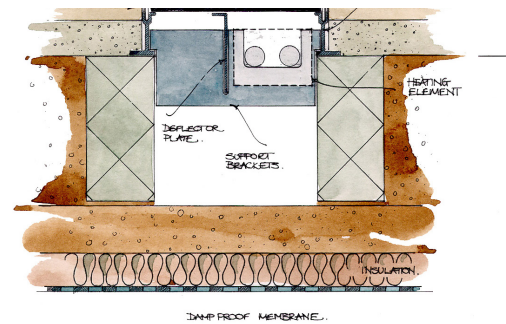
This is an excellent way of spurring from the house heating system and therefore utilising existing resources. The conservatory heating can only be operated when the house heating is on, unless the conservatory is on a separate circuit and thermostat to the boiler. The heating elements are supplied in 1 metre lengths but can be cut down to shorter lengths if required.



Ⓐ Finned heating elements.

Cost per double element: £210.00

Note: 1 metre pipe = 0.69KW based on a mean water temperature of 71° Celsius.\*

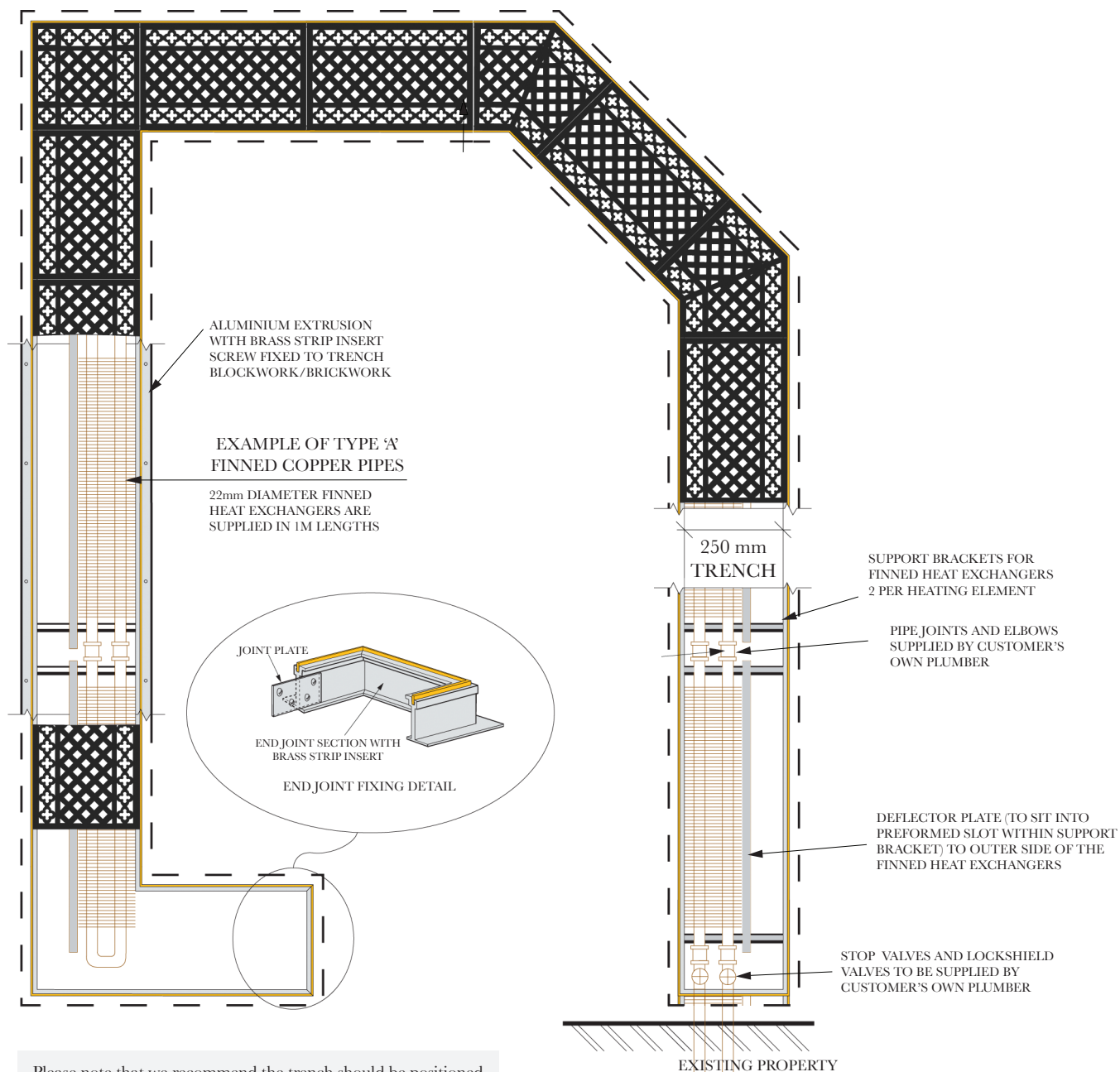


Ⓑ 1 metre deflector plate £18.00

Ⓒ Support brackets each £25.00

\*Please note that all heat output calculations are for elements only and does not take into account residual loss through grilles and walls.

# LAYOUT EXAMPLE OF HARSTON GRILLES & HEATING ELEMENTS



Please note that we recommend the trench should be positioned approximately 300mm away from the perimeter wall.



# FLOOR GRILLE TRENCH HEATING SYSTEM

## PREPARATION

Your electrician or plumber will need to be contacted to calculate the BTU output required to heat the room sufficiently. This will dictate the number of heating elements you need and where they are to be positioned. Your plumber will advise if the existing house boiler is capable of coping with the extra supply, also whether you want to run off the existing house circuit or if you can create a new route directly back to the boiler.

You will need to consult your electrician if you are having an electrical heating system as you may wish to consider thermostatic or timer control which will allow you greater flexibility and efficiency.

Your builder should lay the damp proof membrane, insulation and screed, in accordance with building regulation requirements. The base of the trench needs to finish approximately 300mm deep from finished floor level to allow for good air circulation around the heating elements.

## INSTALLATION FOR SUPPLY ONLY

Once the blockwork and concrete is laid, the aluminium angle support brackets can be laid out into position. The distance between these can be checked and confirmed by placing a plywood spacer boards between the brackets where the floor grilles will sit.




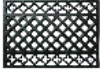


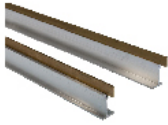




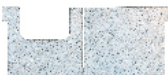

Depending on the method of delivery or collection of your trench elements, the brass inserts may not be prefitted. These can be inserted once the support brackets are secured into position and hammered into position, straddling the joints. Please make sure when doing this that metal surfaces are protected by a cushion block.

Once the supports are secured into place, it is important that the spacer boards are left in position whilst the final screed is being laid. Removal of these boards and tamping down the screed may result in a very slight lean on the aluminium angle which will result with the grilles needing to be trimmed.

Once the screed is dried the boards can be removed prior to fitting of the floor tiles. When installing electrical and water heating elements please refer to our product information and make sure that these are positioned to the inner edge of the trench and not in the centre of the trench. Efficiency of this system relies on air being sucked from the outer walls, over the elements and flow freely into the centre of the room.

Finally fit the floor grilles. Minor trimming if required can be done with a metal file. Your floor grilles have a painted matt black finish and may need re-touching in the future. Occasionally traces of rust appear but these can be cleaned and eradicated with a fresh coat of paint. Please do not to leave your floor grilles in damp conditions or rain as this will cause them to rust.

**Please remember never to cover up any electrical heating elements once commissioned.**

	ITEM	DESCRIPTION	CODE	QTY	LENGTH	WEIGHT	PRICE	TOTAL		
GRILLES		BITTESWELL FLOOR GRILLE 649 x 306 x 12 mm	FG05		649 mm	10.5 kg	£90.00 EACH	£		
		BITTESWELL FLOOR GRILLE 945 x 306 x 12 mm	FG06		945 mm	15 kg	£110.00 EACH	£		
		HARSTON FLOOR GRILLE 417 x 270 x 12 mm	CFG01		417 mm	6 kg	£55.00 EACH	£		
		HARSTON FLOOR GRILLE 373 x 270 x 12 mm	CFG04		373 mm	5 kg	£49.00 EACH	£		
		CORNER FLOOR GRILLE 270 x 270 x 12 mm	CFG02		270 mm	4.1 kg	£41.00 EACH	£		
		22.5° FLOOR GRILLE 207 x 270 x 12 mm	CFG03		207 mm	4.5 kg	£45.00 EACH	£		
GRILLE SUPPORT		ALUMINIUM ANGLE SUPPORT FRAME	24807		1000mm	1.27 kg/m	£95.00 PER METRE RUN (INCLUDES BOTH SIDES)	TOTAL (M)		
					2000mm			£		
					2500mm					
					3000mm					
		BRASS INSERT	BRA01		INCLUDED IN ABOVE					
	ANGLE SUPPORT END JOINTING PIECE	FGS07H				0.75 kg	£85.00 EACH	£		
	ANGLE SUPPORT 90° CORNER JOINTING PIECE	FGS08H				1.5 kg	£96.00 EACH	£		
	ANGLE SUPPORT 22.5° CORNER JOINTING PIECE	N/A				1 kg	£94.00 EACH	£		
	ALUMINIUM DEFLECTOR PLATE	FGS11			1000 mm	1 kg	£18.00 EACH	£		
HEATING		ALUMINIUM SUPPORT BRACKETS	FGS09H				0.4 kg	£25.00 EACH	£	
		DOUBLE FINNED HEATING ELEMENTS	VHE01		1000 mm	2.4kg	£210.00 EACH	£		
ORDER FORM FOR THE SUPPLY OF INDIVIDUAL LENGTHS AND COMPONENTS.						Delivery charge (to be calculated by Vale)		£		
						TOTAL				

