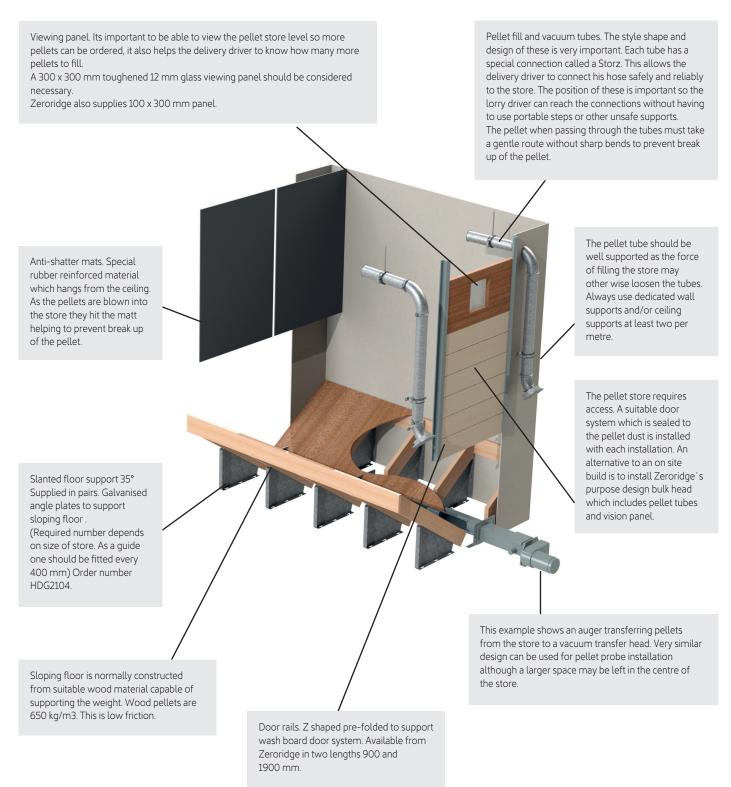
Pellet bulk stores explained

Essential accessories for pellet installation

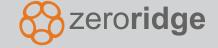
There are many common features that ensure safe and usable pellet store access. Shown below is a pellet store with auger to vacuum transfer head.





Pellet store bulk head

Ready to fit pellet store bulk head, including pellet fill tubes



Ready to fit manufactured steel, painted bulk head

The bulk head can be built into almost any construction to provide all the necessary safety requirements for storing and accessing pellet stores.

The bulk head is fitted with the following equipment.

Starter set of 2 fill and vacuum tubes. Access door with 12mm glass, 300 x 300mm viewing panel. Electrical safety switch to isolate boiler. Access steps.

Pellet fill and vacuum tubes. The style shape and design of these is very important. Each fill/vent tube is fitted with a Storz connection. This allows the delivery driver to connect his hose safely and reliably to the store. The position of these is important so the lorry driver can reach the connections without having to use portable steps or other unsafe supports.

Viewing panel. It is important to be able to view the pellet store level so more pellets can be ordered. Like wise it helps the delivery driver to know how many more pellets to fill.

A 300 x 300 mm viewing panel made from toughened 12 mm thick glass is fitted.

Over and under pressure relief flaps. The bulk head is fitted with security flaps which open if the pressure or vacuum exceeds pre-set levels.

The bulk head has vertical and horizontal mounting edges. This allows the bulk head to be mounted on the inside edge of the pellet store, outside edge or built into the wall during construction.

Electrical safety switch is fitted to the upper door. This switches off the boiler for safety

Set of steps. As an option steps can be

when the door is opened. IP658 rated.

to the bulk head when it is mounted above the ground.

Pellet tubes are securely mounted both with wall and ceiling supports.
The pellet tube can be increased in height by adding an additional length

the vertical section.
The horizontal support can be extended by increasing the length of the connecting threaded rod.

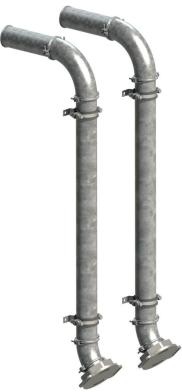
Access doors. The upper door includes the viewing glass and locks the lower door in place. The steel doors can easily be removed to allow access to the fuel store. Each door is held in place by knurled screw knobs.

	1350		-
1920		45 45 300	213

Bulk head	Order code	
Complete bulk head including starter pellet tube kit, glass viewing panel, safety switch and access steps	MS4021	

Pellet store fill and vent tubes

Technical information & pricing



Horizontal length depends on length of store and distance between fill and vent tube.

Long swept bends to reduced pellet damage during filling.

Wall and ceiling support brackets to ensure secure mounting

Wall type for direct mounting and ceiling type for spacing with M8 threaded bar. Two brackets per metre should be considered a minimum.

Vertical and horizontal pellet tubes allow for easy delivery tube connection and correct pellet store filling.

45 degree bend allows easy access for connection of pellet delivery tubes.

Pellet delivery connections (storz) clamp directly to fill tubes with external covers.

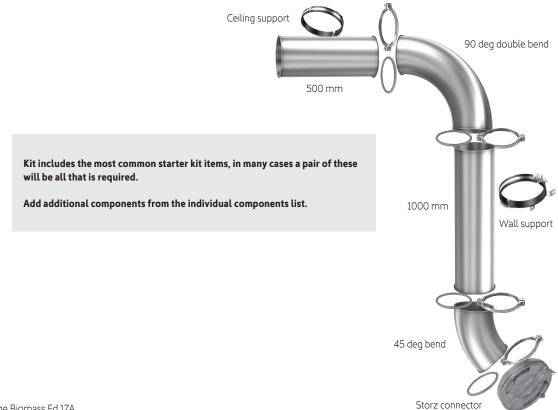


The Zeroridge pellet tube U ring seals are made of EPDM This allows earth connectivity between joints. A single earth connection is all that is required. However if the specification insist on additional earth connectivity, earth clamps can be installed.



Pellet fill & vent starter kit

Starter kit components Order code 1×500 mm length, 1×1000 mm length, $1 \times 90^{\circ}$ bend, $1 \times 45^{\circ}$ bend, TP502 $4 \, x$ clamp band, $4 \, x$ "O" ring seal, $1 \, x$ ceiling support, $1 \, x$ wall support, $1 \, s$ torz connector kit



Zeroridge Biomass Ed 17A



Individual components list

Pellet tube equipment	Diagram I	no.	Size	Order code	PG
	1		2000mm	MS4000	
- 111		Pellet transfer pipe straight lengths. galvanised, diameter 100mm flanged ends	1000mm	MS4001	
III I m	1	Connection to additional pipes by "O" seal and clamp ring listed below	500mm	MS4002	40
			200mm	MS4003	
	2	Telescopic length, galvanised diameter 100mm	500mm	MS4004	
	3	Telescopic "O" seal for telescopic connection at tapered end MS			
		Telescopic installation requires special telescopic "O" seal (MS40)	12) and clamp ring	(MS4007)	
	4	90 deg double diameter length swept bend, galvanised diameter 100mm Flanged both ends Connection to additional pipes by "U" seal and clamp ring		MS4005	
	45 deg double diameter length swept bend, galvanised diameter 100mm 5 Flanged both ends Connection to additional pipes by "O" seal and clamp ring		MS4006		
	6	Clamp ring (pull ring) galvanised diameter 100mm One required per flange "O" Ring joint seal. EPDM colour black, electricity conductive One required per flange		MS4007	
	7			MS4008	
		Earth clamp. (Not normally required) The "O" seal & ring seals are suitable for transferring earth connectircumstances additional earth may be requested. Spring loaded bridges across 2 pipe sections. Per pack of 10		MS4009	40
	9	Wall support with rubber insert EDPM Galvanised diameter 100mm		MS4010	
	10	Ceiling-mounting with rubber insert EPDM. Suitable for 10mm su threaded bar connection. Galvanised diameter 100mm	ispended M8	MS4011	
	11	Storz connector A \emptyset 107mm, including, aluminium coupling with weather proof cap and u-ring joint seal (Requires MS4007 clamp ring and MS4008 U seal to attach to piseperately)		HDG2140	

Pellet installation accessories

Essential accessories for pellet installation

Commonly used pellet store installation equipment



Accessories		Order code	PG
	Pellet injection tube straight for sack silo applications For blown filling including Storz A \varnothing 107 mm length 500 mm	HDG2101	
	Pellet injection tube for sack silo applications Terminated at 45° for blown filling inc Storz A \varnothing 107 mm length 500 mm	HDG2102	
	Injection tube extension for sack silo applications 500 mm Ø 107 mm	HDG2107	
	Injection tube extension elbow 45° for sack silo applications	HDG2108	
	Pellet anti-shatter mat (140 cm \times 100 cm) with mounting bracket for ceiling mounting	MS4025	
	Slanted floor support 35° Supplied in pairs. Galvanised angle plates to support sloping floor (Number depends on size of store. As a guide one should be fitted every 400 mm) Includes screw set 6x M10 coach bolts with raw plugs, 6x M6 coach bolts	HDG2104	
	HDG door rails with screws and screw anchors 1 pair Z- prefolded for door wash boards, length 900 mm	HDG2105	40
	HDG door rails with screws and screw anchors 1 pair Z-prefolded for door wash boards, length 1900 mm	HDG2106	
	Pellet hose set – standard, with copper strand, PVC spiral coiled tube, inner diameter 50 mm – standard up to 50 kW, (20m roll) 65mm external diameter	HDG2109	
	Pellet hose set – special, with copper strand, PVC spiral coiled tube, inner diameter 50 mm – up to 200kW, PU- internal coating for reinforced standards, (20m roll) 65 mm external diameter	HDG2148	
	Munsen ring rubber lined for mounting pellet hose	MS4014	
	Mounting foot for Munsen ring	MS4015	
	Safety switch for pellet and chip store doors. IP 65 sealed for dust applications. Fitted with thermoplastic roller lever	MS4013	
	Pellet store inspection window. 12 mm toughened glass (300 x 300 mm)	MS2055	
	Pellet store inspection window. 12 mm toughened glass (1000 x 300 mm)	MS230	