

Ceramic Filter Components from Caldo

Ceramic Filter Elements

Caldo ceramic filter elements are made to the industry standard design: 1000mm long x 60mm o.d. x 40mm i.d. with an 80mm o.d. flange, 20mm deep. They are made from alumino-silicate fibres and a silica binder. The data sheet DS002, Ceramic Filter Elements can be downloaded for more information .

Caldo ceramic elements are packed in boxes of 18. The elements are susceptible to damage in transit and this packaging has proved the best protection for the elements in many years of experience. We very much prefer to ship the elements in complete boxes but can supply individual elements in cardboard tubes if necessary. Our prices are:

Elements, individually packed in cardboard tubes	£45.00	per element
Elements, full boxes of 18 elements	£26.25	per element

Caldo is also able to offer shorter ceramic filter elements. Typically these are 500mm long but other lengths up to the 1000mm of the standard element are available. These elements travel better than the longer ones and are therefore available in smaller quantities. Please contact us at caldo@caldo.com for prices.

Metal Reinforcing Collars



Ceramic elements do not break in use very often, but when they do it is normally at the top, just below the flange. Sometimes the breakage is caused by a lateral force on the barrel of the element but simple overtightening of the element clamping bolts can have the same result.



Caldo has developed a proprietary system of metal reinforcing collars and ceramic fibre gaskets to provide support to this part of the filter elements. The collars are made from carbon steel so can be used only up to 450 degC. The outer collar fits over the outside of the flanged end of the filter element and the inner collar fits inside and on top of the flanged end of the filter. The data sheet DS003, Support & Gaskets, can be downloaded for more information. The prices for these collars are:

Outer reinforcing collars	£3.45	each
Inner reinforcing collars	£3.15	each

Ceramic Fibre Gaskets

There are two sizes of ceramic fibre gaskets used in the reinforcing system for ceramic elements as shown in the





schematic drawing on the right. The element gaskets fit between the flange of the filter element and the inside of the outer collar and they are 80mm o.d. x 63mm i.d. The header plate gasket fits between the outer spinning and the header plate and it is 90mm o.d. x 65mm i.d. Gasket prices are:

Element gaskets	£0.70	each
Header plate gaskets	£0.90	each

Other Items

We can supply other items such as:

- Reverse pulse valves and components, including seals
- Solids collection drums
- Discharge drum flexible connectors and seals
- Compressed air valves and fittings
- Fans
- Ductwork

Contact us for prices and availability.

Packing

All prices quoted include packing.

Carriage

Carriage is by first class post or TNT Nextday, unless otherwise agreed. Carriage is charged at the cost to us and we will present copies of the invoice for verification if requested.