SCITEQ | end closures

function

SCITEQ Air Frame stainless steel end closures are produced for pipes and fittings to be used for internal hydrostatic pressure testing. The weight of these end closures has been reduced drastically compared to standard end closures with clamps in aluminium bronze. The end closures comply with standards ISO 9080, ISO 1167, ASTM D 1598, ASTM D 1599 and equivalent.

highlights

- easy handling
- up to max. 40 bar pressure
- high quality material
- low weight
- unique patented design
- perfect sealing
- ideal for up to Ø1600mm

version 12/2016

features

The **SCITEQ** end closures are produced in stainless steel or acid resistant steel in various dimensions from Ø315mm up to Ø1600mm.

The SCITEQ Air Frame end closures are used for relatively low pressures up to max. 40 bar in combination with temperatures between 20 to 95 degrees.

The weight is considerably lower for large diameter pipes compared to traditional large diameter end closures, yet a robust construction has been maintained. The lower weight and altered construction ensures easy handling when mounting. Further, grips for cranes have been incorporated. A unique feature (option) makes it even easier mount. Each of the 1/3 side grip segment is supported by resting on the top or bottom doom.

We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost-effectively as possible with Q.C. tools throughout the factory.

construction

The construction has been selected for corrosion resistance, durability and weight.

End closures are constructed with a specific depth from O-ring to the internal bottom which ensures that even on chamfered and oval PE-pipes, the end closure is tight while pressurising. The pressure station is started while the airing-out screw is open. When the sample is completely aired out, the test can be started. O-rings are produced from EDPM as for our other end closures.

The top end closure is delivered with a 1/4" male connection and supplied with key operated bleed valve. Other connections and bleed valves can be supplied on request.

A new feature is the possibility of supplying spare parts for the clamps.

one set of air frame end closures model 1525

Ø800mm internal diameter

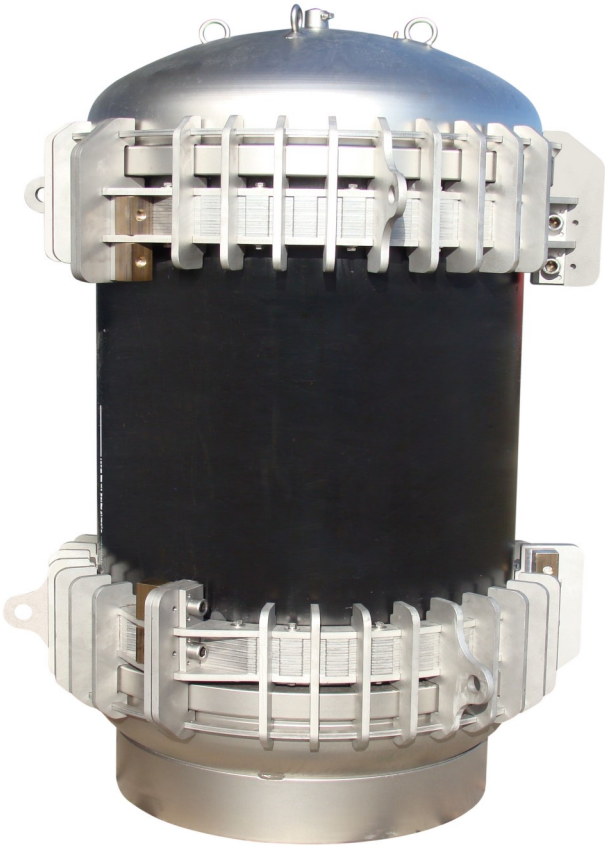
associated | equipment | essential equipment

- pressure stations
- thermo tanks
- hoses
- pc-sciteq software
- end closure mounting
- laboratory saw

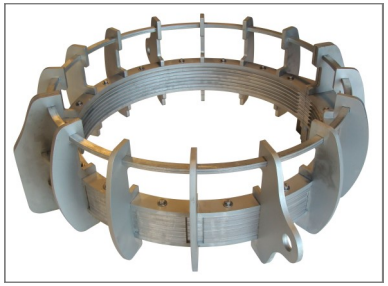
technical specifications | end closures Air Frame

technical specifications

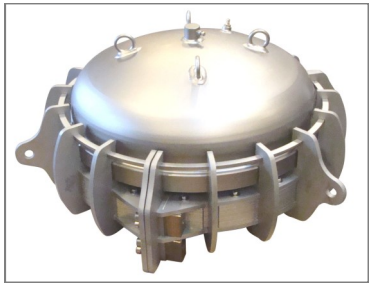
Diameter range	Ø315mm and up to Ø1600mm (larger sizes on request)
Material	Stainless steel or acid resistant steel
Connection	1/8" male connection and supplied with key operated bleed valve
Handling	Lifting eyes standard on all products. Option: feature added to each 1/3 side grip segment is supported by resting on the top or bottom doom for easy handling
Pipe sample material	Suitable for PE, PEX, PVC, PP, ABS
max. test pressure	20, 30 or 40 bar (depending on standard, specifications and pipe sample diameter)
Spare parts	Refurbishment possible
Standards	ISO 9080, ISO 1167, ASTM D 1598, ASTM D 1599 and equivalent.
Pipe sample preparation	Chamfer angle 15°. Removed wall thickness max. 15 mm
Test temperature	20-95° Celsius



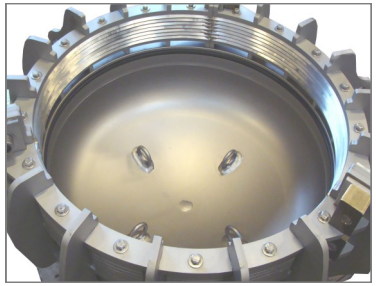
*Ø710mm air frame end closures mounted on pipe—**ready for testing**!*



new light-weight version of traditional end closure clamps in aluminium bronze



Ø630mm air frame top lifting eyes on top as well as on the sides



Ø630mm air frame bottom lifting eyes inside as well as on the sides

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