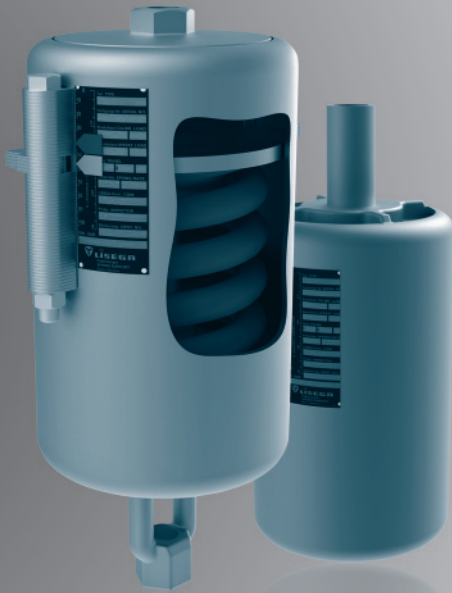


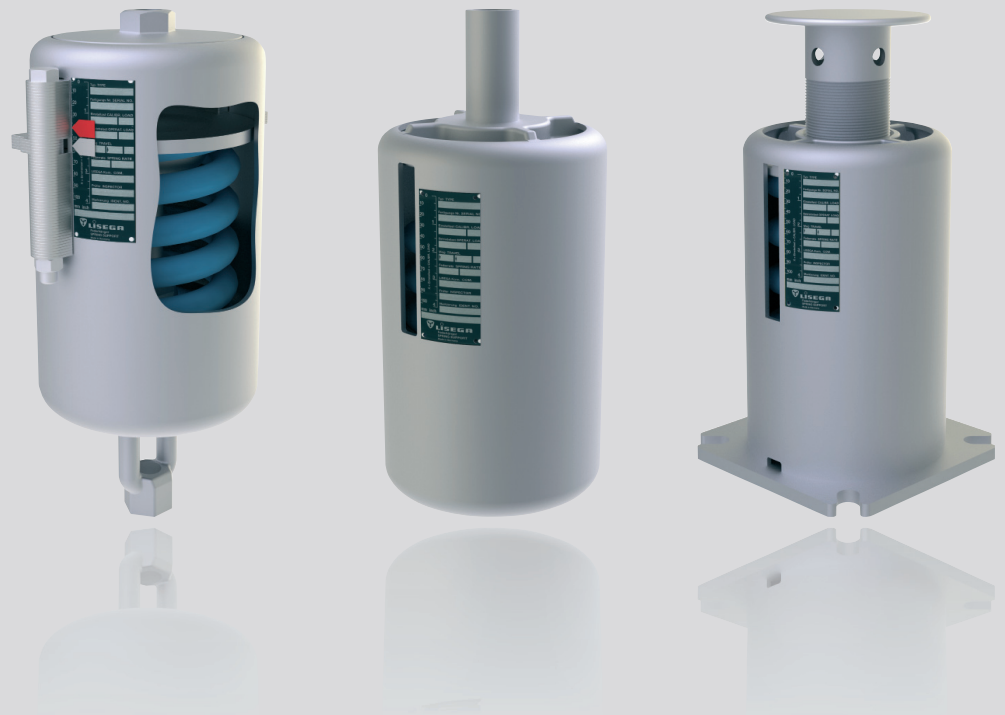
DUPLEX STEEL SPRING SUPPORTS



designed for challenging environments

Duplex steel pipe supports

Suitable for service in highly corrosive conditions



LISEGA's LONG EXPERIENCE

As pioneers and international market leader in the manufacture of complete industrial pipe support systems, LISEGA have designed a wide range of products with more than 12,000 standardized items. Supplying to the global power and petrochem industry LISEGA's pipe supports have been developed to provide optimum solutions to all given technical applications.

A SPECIAL TECHNICAL CHALLENGE

Harsh environmental conditions (e.g. offshore sites) can be a huge challenge for the corrosion resistance of a pipe support and the proper functioning during its operating lifetime.

Conventional solutions such as painting or hot dip galvanizing can only guarantee a limited protection against corrosion and in consequence offer a relatively short service life.

In addition, if pipe supports are to be used at sub-zero temperatures, typical standard steel materials cannot be used as function-related material properties, e.g. the toughness or tensile strength, do not meet necessary requirements.

LISEGA's SOLUTION

LISEGA have designed the optimal solution for environments where both high corrosion resistance and use at sub-zero temperatures are required: duplex stainless steel spring



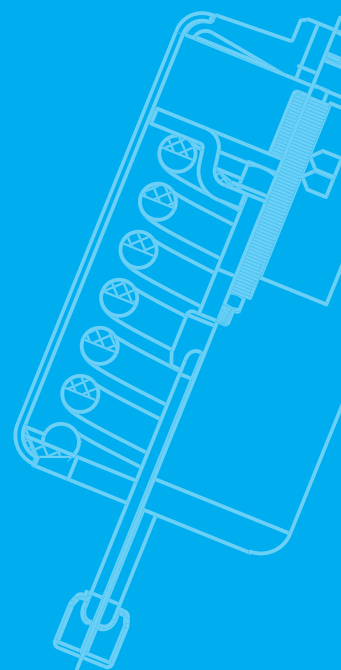
FEATURES

Spring hanger housing and inner parts are made of duplex stainless steel grade 1.4462 guaranteeing

- High tensile strength
- Excellent toughness even at low temperatures

Spring coils are coated with a proven multi-layer system, meeting the corrosion resistance of C5 high durability

All threaded parts and accessories are produced in duplex stainless steel grade 1.4462



LOAD RANGE
0.04 to 100 kN

CORROSION RESISTANCE
C5 high

TEMPERATURE RANGE
– 50 °C and below on request

TRAVEL RANGE
up to 400 mm

supports. The housing and inner parts are manufactured in duplex stainless steel grade 1.4462. High corrosion protection of the spring coils is ensured by a proven multi-layer coating. LISEGA's solution meets the requirements of ISO 12944 C5, high durability. In addition, it fulfills the requirements of permafrost and semi-permafrost temperature conditions (-50°C and below on request).

This design enables the use of duplex stainless steel supports in many critical application in the oil & gas, LNG/ LPG, offshore and other related industries. The product has been successfully utilized in applications across the world: from offshore oil platforms to LNG-plants in arctic region.

CUSTOMER BENEFITS

With LISEGA's duplex stainless steel hangers different customer requirements can be met in an effective way.

- High corrosion resistance especially in humid and salty atmospheres
- Proven operation in applications under sub-zero temperatures
- Compact design
- Optimum performance / weight ratio
- Easy installation
- Maintenance-free operation



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