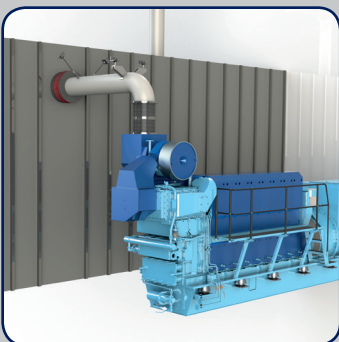




Worldwide  
Unique  
Solution

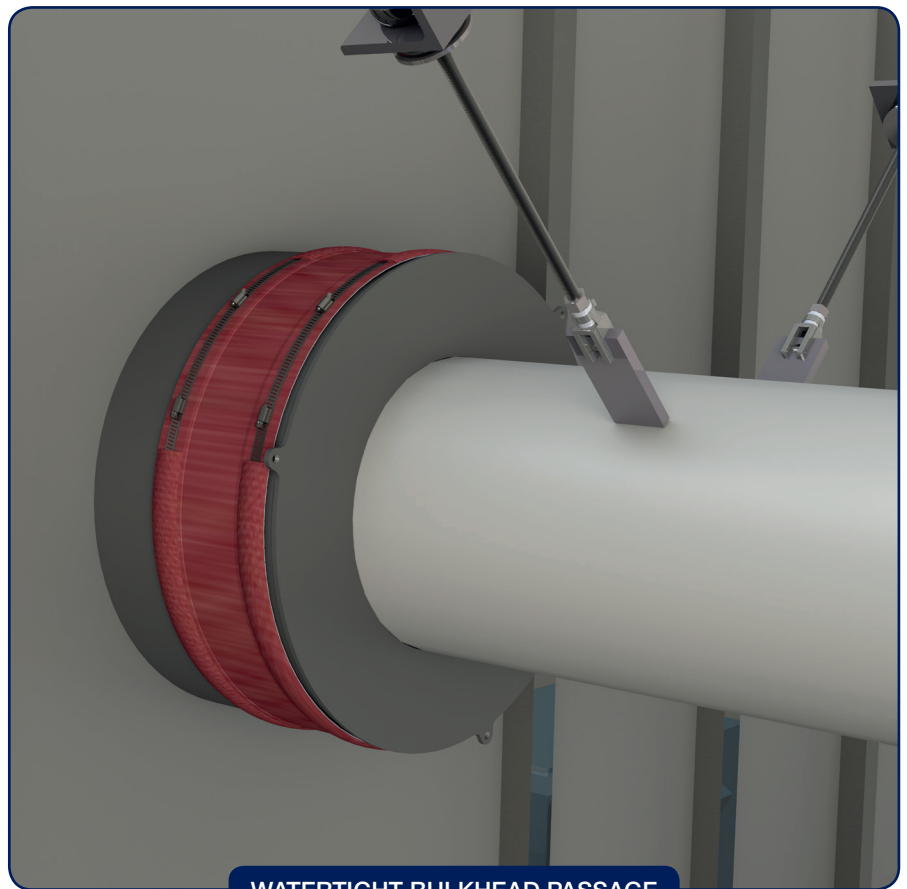
# High Flexible Passage



## WATERTIGHT PASSAGE

Rubber Design has developed a unique type of watertight exhaust pipe passage. This system is certified to handle a pressure up to 0,6 bar ( 6m ) for 30 minutes. On top of this it can be supplied as fireproof. This means that besides the water tightness it can also handle temperatures of 1000 °C for a minimum of 60 minutes. It has certificates of fire approval for A0, A15, A30 and A60 decks and bulkheads.

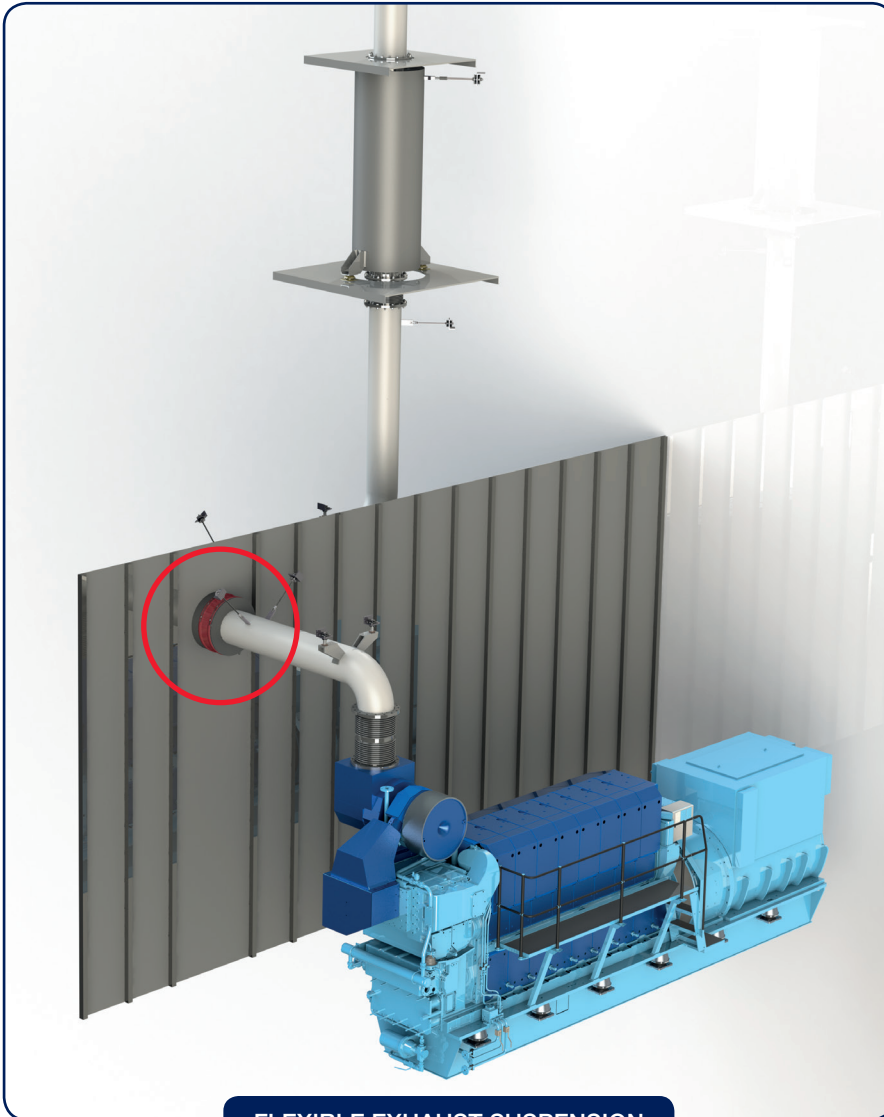
This passage allows exhaust pipes to pass decks and bulkheads without transmitting any vibrations to the surrounding ship-structure.



WATERTIGHT BULKHEAD PASSAGE

## ADVANTAGES

- Watertight solution till 0,6 bar ( 6 meter )
- Zero transmission of structure born noise, vibrations and heat
- Thermal and mechanical movement of the exhaust pipe system in all directions possible
- Fire approval for all major classification societies
- Separation of compartments



**FLEXIBLE EXHAUST SUSPENSION**

#### CERTIFICATION

The pipe penetration seal has been successfully tested during hydrostatic tests according to MCS/circular. 736 Interpretations of vague Expressions in SOLAS Chapter II-1 - Part B, 1 Regulation 15 - Openings in watertight bulkheads in passenger ships - Paragraph 2.1.

- US Coast Guard
- Lloyds Register Type Approval



Lloyd's Register  
Marine



USCG Approved

**TYPE APPROVALS**

**Worldwide  
Unique  
Solution**

# High Flexible Passage

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