

# **HYROB**

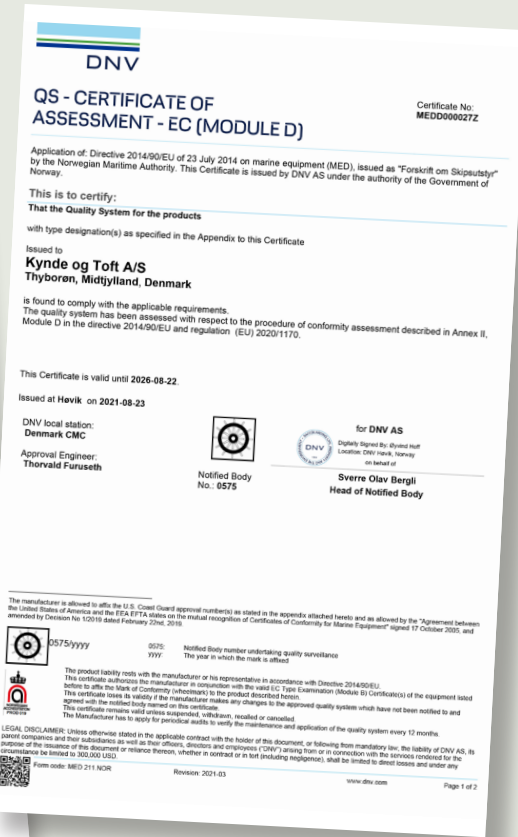
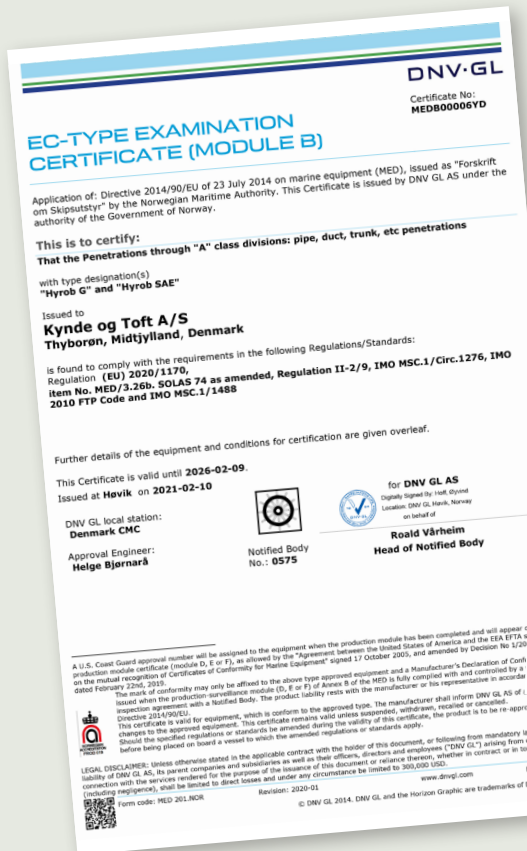
– a newly developed type of bulkhead

Designed and produced in Denmark.

# HYROB bulkhead

HYROB is:

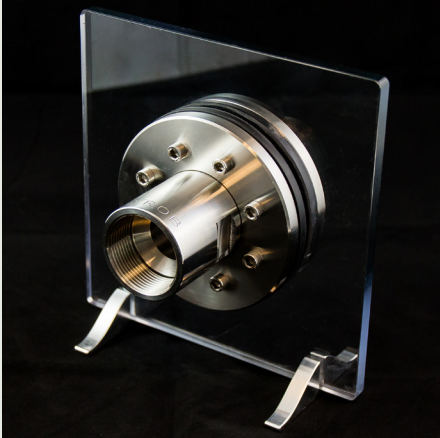
- A newly developed type of bulkhead penetration for various applications, especially but not limited to the shipbuilding and offshore industries.
- An innovative and approved solution, which, unlike other known systems is easy to install without the risk of leaks over time.
- A time saving installation without the need to weld the bulkhead, meaning hot work is avoided for performing the installation.
- Fully compatible with GS-Hydro flange systems in both SAE and retain ring up to 3”.
- Type approved with DNV and has been subjected to extensive fire testing according to MSC.307(88) by third party laboratories.



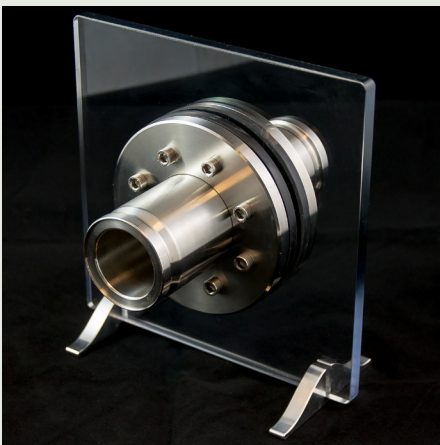
## Type Approvals

GS-Hydro flange systems are type approved by the following classification companies:

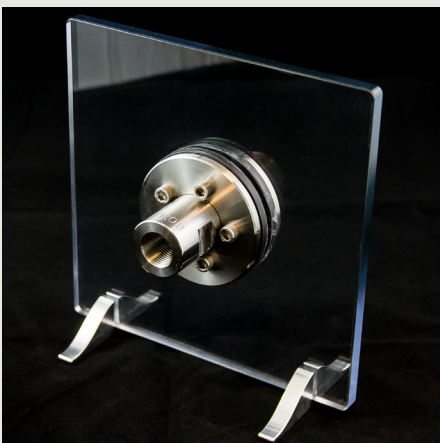
Institute		37° Flaring 50-420 bar	Retain Ring 210-420 bar	Retain Ring 690 bar	90° Flaring
<b>DNV</b>	Det Norske Veritas Classification	X	X	X	X
<b>LR</b>	Lloyds Register MEA	X	X		X
<b>GL</b>	Gemanischer Lloyd	X	X		X
<b>ABS</b>	American Bureau of Shipping	X	X		X
<b>BV</b>	Bureau Veritas	X	X		X
<b>RINA</b>	Registro Italiano Navade	X	X		X
<b>MRS</b>	Russian Maritime Register of Shipping	X	X		X
<b>NKK</b>	Nippon Kaiji Kyokai	X	X		X
<b>CCS</b>	China Classification Society	X	X		X



**JIC connections acc.**  
To ISO 8434-2 (SAE J 514).  
Connections ranges from 1/2" – 2"



**Grooving connections acc.**  
To SAE 6162-1 and 2 (3000PSI or 6000PSI).  
Connections ranges from 1/2" – 3"



**BSPP connections acc.**  
To ISO 8434-6.  
Connections ranges from 1/2" – 2"



**Bulkhead plate.**

Following some key benefits of **HYROB**:

- Hot Work avoided (ATEX regulations).
- Fitted with rubber inserts for vibrating environments and substantial noise reduction.
- The system is proven leakage free due to no connections.
- Easy and fast to install.
- Compliant with all standard connections in both BSP, JIC, SAE 6162-1, SAE 6262-2 and the GS-Hydro retain ring system.
- Available in both carbon steel and stainless steel.
- Size range from 1/2" – 3"
- DNV type approval.
- Designed and produced in Denmark.





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