

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	VOSS Fluid GmbH
Address	Luedenscheider Str.52-54, Wipperfueth, 51688, Germany
Type	Compression Fittings
Description	Compression Couplings 24°, series L and S, made of steel and stainless steel according to DIN 3859-1 TYPE VOSSFormSQR
Trade Name	VOSSFormSQR
Application	General use in marine, offshore and industrial piping systems, classed or intended for Classification with Lloyd's Register <u>Restrictions</u> Couplings with seals sensitive to heat are not acceptable in the following locations : <ol style="list-style-type: none">1. Starting/control air and CO₂ systems.2. Inside machinery spaces of category A or accommodation spaces for main lines of inert gas systems.3. Fire main, water spray and sprinkler systems or similar which are not always filled with water.

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Specified Standard Lloyd's Register Rules and Regulation for the Classification of Ships, 2020 and IACS P2.11 including wet fire endurance test for couplings with seals sensitive to heat.

Ratings	LIGHT SERIES (L)		HEAVY SERIES (S)	
	Pipe O.D. [mm]	Nom. Press.[bar]	Pipe O.D.[mm]	Nom. Press.[bar]
	6-10	500	6-10	800
	12-18	400	12-16	630
	22-42	250	20-38	420
	Seal material	Temperature Range(°C)		
	FKM	-25°C to 200°C		

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 06/20016(E3)

The Design Appraisal Document HMD 17033-06, issue no. 4 and its supplementary Type Approval Terms and Conditions form part of this Certificate.