

Type Approval Certificate Extension

This is to certify that Certificate No. 93/20051 (E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

VOSS Fluid GmbH
Lüdenscheider Straße 52-54
51688 Wipperfurth
Germany

DESCRIPTION

Steel or stainless steel flared pipe couplings comprising of a 10° flared pipe adapter on one side and a 24° tapered male connector with an O-Ring on the other side.

TYPE

VOSS BV-10 Flared Pipe Couplings

RATINGS

Series	Pipe outside diameter (mm)	Nominal pressure (bar)
L	6 to 10	500
(light)	12 to 18	400
	22 to 42	250
S	6 to 10	800
(heavy)	12 to 16	630
	20 to 38	420

APPLICATION

General use in marine, offshore and industrial piping systems.

Restrictions:

1. starting/control air and CO2 systems.
2. inside machinery spaces of category A or accommodation spaces for inert gas main lines
3. fire extinguishing systems which are not always filled with water

Certificate No.

93/20051 (E4)

Issue Date

04 December 2013

Expiry Date

31 July 2018

Sheet

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Torsten Schröder

Hamburg Technical Support Office

Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

STANDARD	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2013
PERFORMANCE TESTS	Repeated assembly, leakage, burst pressure, hydraulic impulse and vibration, flame resistance.
OTHER CONDITIONS	Trade mark "VOSS" to be shown on each coupling. The pipe couplings to be selected and installed as per producer's recommendations and instructions.

"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."

The attached Design Appraisal Document No. HMD 13340-04, Issue number 2, dated 04.12.2013 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 93/20051 (E3) to which this extension should be attached.

Certificate No.	93/20051 (E4)
Issue Date	04 December 2013
Expiry Date	31 July 2018
Sheet	2 of 2


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