

Type Approval Certificate



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

Certificate No. 12 503 - 10 HH

Company VSH Fittings B.V.
Oude Amersfoortseweg 99
1212 AA Hilversum, NETHERLANDS

Product Description PRESS FITTING SYSTEM MADE OF CARBON STEEL

Type XPRESS CARBON STEEL

Environmental Category None

Technical Data / TECHNICAL DATA

Range of Application

Fittings: Specially shaped galvanized fittings acc to DIN EN 10305, E195 (1.0034/ RSt 34-2)

Pipes: Externally and complete galvanized version, acc. to DIN EN 10305, E190 (1.0031), E195 (1.0034 / RSt 34-2)

O-rings: Black EPDM, Green Viton, Grey Viton [depending on working temperature and media used]

M.A.W.P.: up to 16 [bar]

Pipe sizes: 12x1.2, 15x1.2, 18x1.2, 22x1.5, 28x1.5, 35x1.5, 42x1.5, 54x1.5

O.D. x t [mm]

M.A.W.P.: 10.0 [bar] up to 12.5 [bar]

Pipe sizes: 76.1 x 2.0, 88.9x2.0, 108 x 2.0

O.D. x t [mm]

M.A.W.T.general: -20 [°C] to 120 [°C], temperature rise, see page 2

Test Standard Regulations for the Performance of Type Tests, Part 6 - Test Requirements for Mechanical Components and Equipment, Ed. 2008 and IACS Req. P2.11, Nov. 2001.

Documents

- IMA Test Report C099/10.2, dated: 2011-01-12
- IHA Test Report 001,004 dated: 20.10.2010; 005 dated: 27.10.2010
- Technical Documentation

Remarks

- M.A.W.T., MARKING, PRODUCTION PLACE and RANGE OF APPLICATION see page 2.

Valid until 2016-04-08

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File No. I.I.C.08

Hamburg, 2011-04-11

Germanischer Lloyd

Hanspeter Raschle
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Peter Gierhan
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M.A.W.T. (Temperatur rise):

- Black EPDM -35 [°C] to 135 [°C] / fresh water
- Green Viton -20 [°C] to 200 [°C], with peak intermittent use of 230 [°C] / miscellaneous air systems
- Grey Viton -20 [°C] to 150 [°C], with peak intermittent use of 180 [°C] / condensate return

MARKING:

Each device shall bear legible and durable marking on the body or on a plate securely fixed to the body as follows:

- Manufacturer's Mark • Type • Nominal Diameter •

PRODUCTION PLACE:

VSH Fittings B.V.
1212 AA Hilversum
NETHERLANDS

REMARKS:

- XPRESS CARBON STEEL FITTING may not be used in piping systems of class I and class II.

RANGE OF APPLICATION:

- Fresh water: water spray systems, cooling water system, condensate return, potable water, wet sprinkler system and non-essential systems [swimming pool, whirlpool and so forth].
- Sanitary / drains / scuppers: deck and pool drains [internal], sanitary drains, scuppers and discharge [overboard].
- Sounding / vent: water tanks, dry spaces, oil tanks [flash point >60 °C].
- Flammable fluids: cargo oil lines, fuel oil lines, lubricating oil lines, hydraulic oil lines, thermal oil. (flash point > 60 [°C]) (temperature ≤ 60 [°C]).
- Inert gas: water seal effluent lines, scrubber effluent lines, main lines, distributions lines.
- Miscellaneous: brine, control air, service air [non-essential], air conditioning systems, [media: condensed water, ethylene glycol].

For gaseous and liquid media which will not obstruct the press fitting system or attack carbon steel, synth. rubbers respectively. The selection of the fittings, pipes and O-rings for the corresponding application and the right mounting with the stipulated pressing tools is to be in accordance with the instructions of the manufacturer. The manufacturer's list of the chemical resistance of the piping components is to be observed.

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File No. II.C.08

Hamburg, 2011-04-11

Germanischer Lloyd

Hanspeter Raschle
Hanspeter Raschle

Peter Gierhan
Peter Gierhan