



DNV·GL

Certificate No:
TAP00001T2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Diaphragm Valve

with type designation(s)
VD, VDD

Issued to

SA Fire Protection S.r.l.
Cascina PI, Italy

is found to comply with
DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition January 2018
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL class programme DNVGL-CP-0186 – Type approval – Valves

Application :

Product(s) approved by this certificate is/are accepted for installation on vessels classed by DNV GL.

Type:	Temperature range:	Max. working press.:	Sizes:
VD	0°C to 90°C	26 bar	DN50, 65, 80, 100, 150, 200, 250
VDD	0°C to 90°C	26 bar	DN80, 100, 150, 200

Issued at **Høvik** on **2019-10-16**

This Certificate is valid until **2024-10-15**.

DNV GL local station: **Genoa**

Approval Engineer: **Adel Samiei**



for **DNV GL**
Digitally Signed By: **Zeinab Sharifi**
Location: **DNV GL Høvik, Norway**

Zeinab Sharifi
Head of Section



New DNV approval for the SA Fire Protection VD and VDD Deluge Valves



[Cascina], [ITALY], [31 – 10 – 2019] As a result of increasing requests from the Offshore and Marine sectors to supply deluge valves, SA Fire has responded by achieving DNV approval across a range of their deluge portfolio.

In order to attain DNV approval every aspect of the valves integrity was under scrutiny from their design and construction to how they are installed and commissioned with specific reference to fire protection of mobile units and offshore installations.

The classic deluge valves model VD and double chamber deluge valves model VDD are available

with a reinforced EPDM diaphragm with body's and covers in several noble materials such as Titanium, Nickel Aluminium Bronze, Bronze, Marine Bronze, Super Austenitic Stainless Steel, Super Duplex Stainless Steel, Duplex Stainless Steel, Stainless Steel, Hastelloy, Ductile Iron and Carbon Steel. The materials of construction make the valves suitable for use with fresh water, sea water, foam.

The deluge valves are all manufactured in the SA Fire plants in Italy. In addition to the materials, the VD models are available with DNV approval in sizes 2" – 10" and the VDD models are available with DNV approval in sizes 3" – 8".

The SA Fire VD and VDD deluge valves adhere to a number of classification rules for mobile units and offshore installations such as:



- DNV-OSS-101 Rules for Classification of Offshore Drilling and Support Units
- DNV-OSS-102 Rules for Classification of Floating Production, Storage and Loading Units
- DNV-OSS-103 Rules for Classification of LNG/LPG Floating Production and Storage Units or Installations.

With the new DNV approval the purchaser and contractors can install the VD or VDD in fire protection systems to an internationally acceptable standard, inline with international regulations (including the International Maritime Organisation's Code for Construction and Equipment of Mobile Offshore Drilling Units (MODU Code)).



SA Fire Protection is an Italian independent engineering & manufacturing company active in the field of Fire Protection with more than 35 years of experience. The company is organised into three major business units: Fire Protection Engineering, Fire Product Manufacturing and Services.