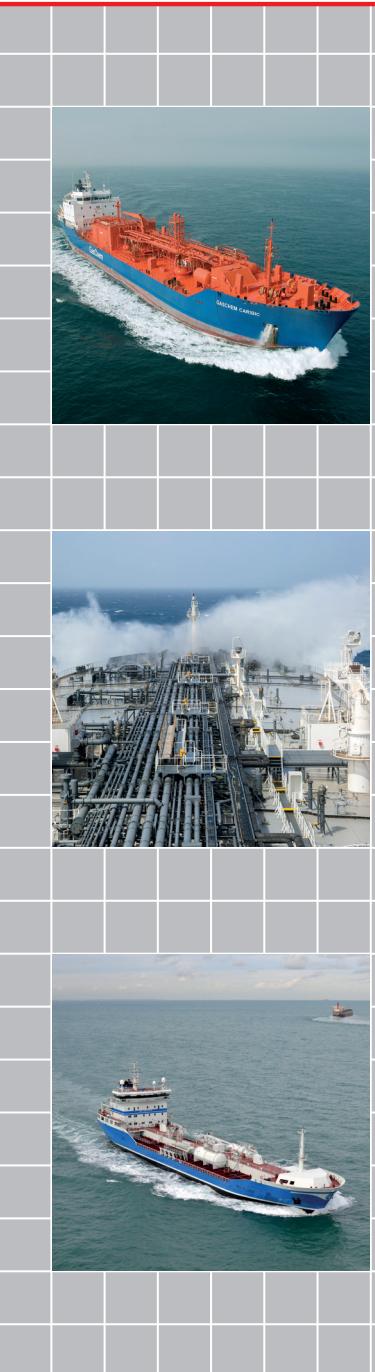
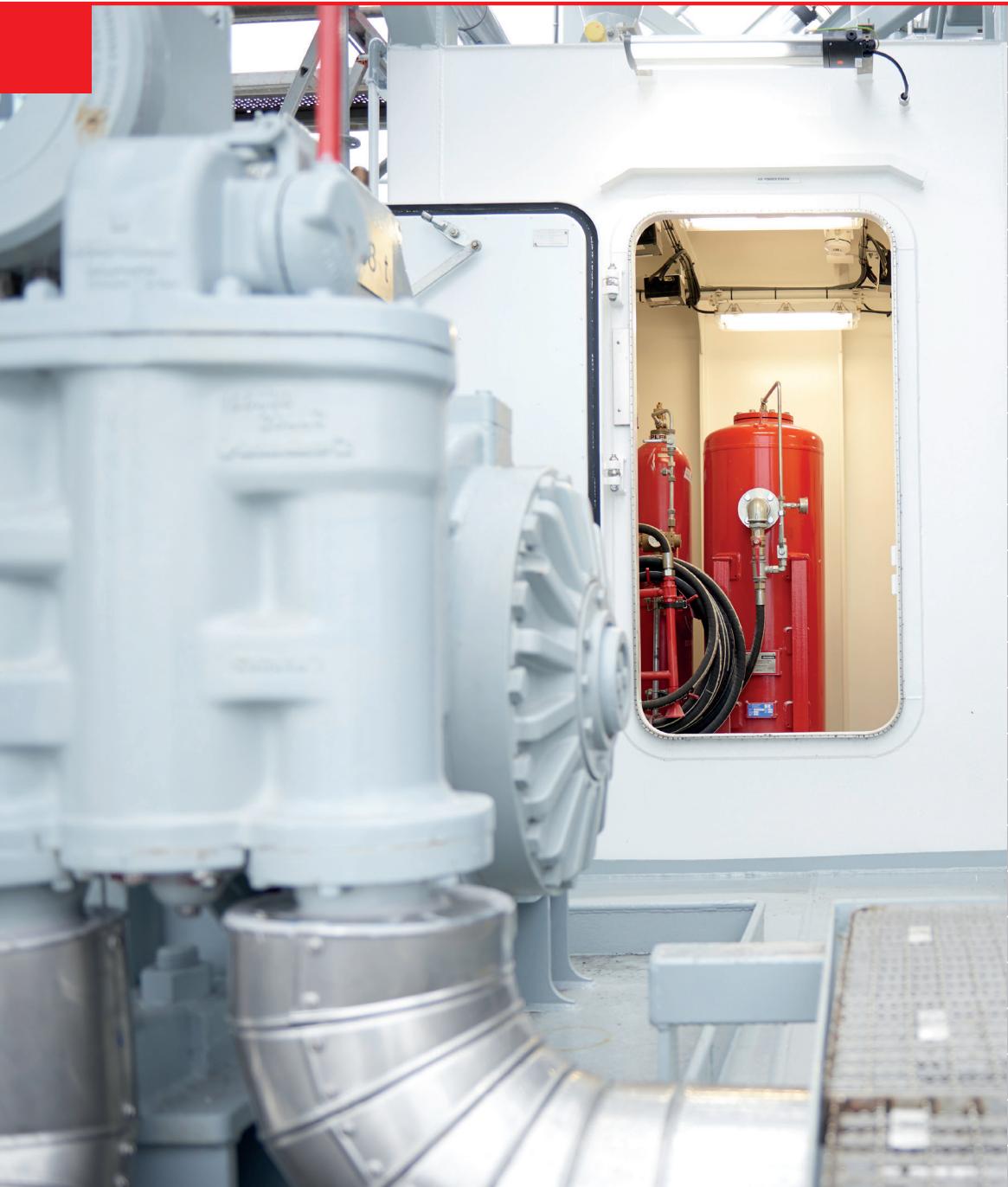


Experts in fire protection

minimax

Dry Powder Fire extinguishing system



FIRE EXTINGUISHING SYSTEMS

DRY POWDER

Modular and high efficient fire extinguishing powder system

The Minimax fixed dry chemical powder fire extinguishing system is designed for fighting fires in the ondeck cargo areas of ships carrying liquefied gases in bulk (gas carriers) and in the area of gas fuel bunkering stations on board ships using gases as fuel. The system mainly consists of nitrogen cylinder(s) as propellant gas, piping, valves, pressure regulator, safety valves, gauges, pressure tank for the powder and discharge devices (monitors, powder pistol or nozzles).

The system is manufactured by Minimax Fire Solutions International. Designed in Germany.

The extinguishant BC - Karate:

BC - Karate is an effective fire extinguishing powder with very high efficiency in fire classes B and C. The active fire extinguishing ingredient of BC - Karate is potassium sulphate. It is resistant to influences of extreme climates by means of hydrophobing agents on silicone basis.

System approval:

The system is tested and certified according to IMO MSC.1/Circ.1315 and class program no. 474.71 (DNVGL-CP-0213, March 2016)

Applications:

- Gas bunker stations for gas fuelled vessels
- Cargo manifolds on LPG / LNG carriers
- Cargo areas on LPG / LNG carriers
- Fire classes B and C acc. to EN 2



Extinguishing performance of BC-Karate

Extinguishing powders are highly efficient and fast-acting extinguishing agents. The sudden three-dimension extinguishing effect of the powder clouds is due to the smothering effect and the anti-catalytic effect, a chemical intervention in the combustion process. Extinguishing powders consist essentially of non-toxic inorganic salts, which are mixed with impregnation and pouring agents.

The dry powder extinguishing system is available in following sizes: P-BC 250/5 with max. 210 kgs powder. These could be used for local hose stations with powder pistol or for bunkering stations with powder nozzles. P-BC 600/8, P-BC 1000/10 and P-BC 1500/13 with max. 600 kgs, 1000 kgs or 1500 kgs.



Benefits:

- Modular or multi zone system
- Pipe distance up to 227 meters
- Modular systems are able to install directly on the open deck
- Systems are tested and certified according to IMO MSC.1/Circ.1315 and class program no. 474.71 (DNVGL-CP-0213, March 2016)
- Maximum piping diameter of DN65
- Minimum ambient storage temperature of -35,8°C
- No long pipe and pilot piping installation for our modular systems
- Systems are easy to maintain
- Approved for many major marine classifications (e.g. DNVGL, ABS, LR, MED)

Photos

Title, page 2 & 3 © Michael Haydn, Steinburg-Eichede
Title © chrisberic - Fotolia

Minimax Fire Solutions
International GmbH
Im Weddern 25
23858 Reinfeld
Germany
+49 4533 7884-0
marine@minimax.de

Editor:
Minimax GmbH & Co. KG
Industriestrasse 10/12
23840 Bad Oldesloe
Germany
+49 4531 803-0
www.minimax.com