

Type Approval Certificate

Germanischer Lloyd

Certificate No.: TA10-CRT-001/TA

Germanischer Lloyd

It is hereby to certify that undernoted product has been tested in accordance with the relevant requirements of the GL Type Approval System

Company:

Nar Foam Kar Co.

*No. 18, 4th st. Shahid Ahmad Ghasir Ave.
Tehran- IRAN*

Product:

CO₂ Fire Extinguishing System And Components

The product has been subject to an approval procedure by Germanischer Lloyd and found to be in compliance with NFPA code namely on:

- NFPA 12 Standard on Carbon Dioxide Extinguishing System
- NFPA 72 National Fire Alarm Code

GL performed a verification and approval on basis of the submitted documents:

NFK-DWG-5601-ME-001 Installation and Operating Manual & Drawings for CO₂ Systems

Design and performance – concerning Technical safety- is in line with Germanischer Lloyd Rules for Classification and Construction, IV Part 6 Offshore Technology, Section 10 and the findings are implemented as follow:

- 1) Welded pipe connections are used for CO₂ and gaseous extinguishing systems. For detachable connections which can not be avoided and for valves and fittings, flanged joints are used. For pipe with a nominal bore of less than 50 mm, welded compression type couplings may be used. Threaded joints may be used only inside protected spaces.
- 2) Materials, Testing and wall thickness complies with GL rule IV Part 6.
- 3) Pressure and tightness and free passage test results comply with GL rule IV, Part 6 section 13a-13c

Remarks: See Page 2

Valid Until: 05.02.2015

Tehran,
05.02.2010



M.R. Talebi

H. Sadeghi

INDUSTRIAL SERVICES

20239



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Product: CO₂ Fire Extinguishing System And Components

List of equipments:

Item No.	Description	Code
1	Co2 cylinder, 45 kg, 67 liter	211022
2	Base of skid	215001
3	Head of skid(2 cylinder to 5 cylinder)	215011-14
4	Bracket of skid(2 cylinder to 5 cylinder)	215021-24
5	Manifold (size 3/4 "-2 1/2 ")	
6	Weighing device	216002
7	Ring of weighing device for master cylinder	216047
8	Ring of weighing device for slave cylinder	216045
9	Master valve	B0439
10	Slave valve	B04800
11	Pneumatic actuator for slave valve	B0442
12	Directional valve(3/4" to 2.5")	212040-44
13	Electro/manual actuator for directional valve	212050
14	Discharge bend 1/2"	213010&213169
15	Actuation bend 1/4"	213020&213170
16	Check valve 1/2", brass	212060
17	Master connection	216051
18	Micro switch	205001
19	Pressure switch	216024
20	Vent valve	216036
21	Safety valve 1/2"	216038
22	Nipple 1/4, brass	213022
23	Tee 1/4", brass	213027
24	Plug 1/4", brass	216050
25	Red nipple 1/4"x1/8", brass	213026
26	Nozzle cup	216001
27	Nozzle orifice brass	216056

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