

Type Approval Certificate

This is to certify that the undernoted product has been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	RAPHAEL Valves Industries Ltd.
Address	Northern Industrial Zone, Or Akiva, 3060000, Israel
Place of Production	RAPHAEL Valves Industries Ltd. Northern Industrial Zone, Or Akiva, 3060000, Israel
Type	Valves - General
Description	Fixed Fire systems valves, Type: FDV and FDV-R
Trade Name	FDV and FDV-R
Application	Deluge, Monitor and pressure control Fire protection water and foam Systems for Marine, Offshore and Industrial use.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships. ISO 6182-5 UL 260:2008

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Ratings

Pressure Rating (PN):	250 psi/ 17 bar
Max. Temperature Rating (°C):	70
Types:	FDV FDV-R
Nominal diameter (inch):	1 ½ - 8 2-12

Other Conditions

1. Valves are to be selected, installed and tested in accordance with the manufacturer's instructions and Lloyd's Register's Rules and Regulations.
2. Due care should be taken not to over stress the fittings when tightening the bolts.
3. The piping system is to be tested in accordance with the rules on completion of installation.
4. This approval does not cover the remote control of the valve linked to the actuator.
5. The valves are to be provided with the manufacturer's pressure test report and conformity of the production and the following details are to be permanently marked:
 - Manufacturer's name or trademark
 - Type designation
 - Maximum design pressure or pressure class
 - Temperature range
 - Direction of flow
 - Size

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 Design Appraisal Document No.LR22159094TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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