



Type Approval Certificate

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

Manufacturer	Pekos fabricación S.L.U.
Address	Poligono Bidosola K3, Artea (Bizkaia), 48142, Spain
Place of Production	Pekos fabricación S.L.U. Poligono Bidosola K3, Artea (Bizkaia), 48142, Spain
Type	Ball Valves
Description	Fire safe ball valves
Trade Name	PEKOS ball valves
Application	Marine,Offshore and Industrial
Specified Standard	LR Rules and Regulations for the Construction and Classification of Ships; Mobile Offshore Units and Fixed Offshore Installations; EN ISO 10497, EN ISO 17292 ASME/ANSI B16.34 API 607, API 6D, API 608, API 6FA BS 5351, BS 6755-2 DIN 2470-2, TRB 801.45

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Ratings

Floating, full and reduced bore, end entry, spring and metal seated:

Size range: 1/2" to 4"

Pressure rating: ANSI Class 150-300-600-800-900

DIN PN10 to PN150

Floating (wafer type), full bore, end entry, soft seated:

Size range: DN32 to DN100

Pressure rating: ANSI Class 150-300

DIN PN16 to PN40

Floating and guided, full and reduced bore, soft Seated and metal seat:

Size range: All sizes

Pressure rating: ANSI Class 150-300-400-600

DIN PN10 to PN100

Full trunnion, full and reduced bore, soft seated and metal seat:

Size range: All sizes

Pressure rating: ANSI Class 150-300-600-800-900-1500-2500

DIN PN10 to PN420

3 pieces floating, full and reduced bore, soft seated and metal seat:

Size range: 1/4" to 4" , DN8 to DN100

Pressure rating: ANSI Class 400-600-800

DIN PN40 to PN100

3 pieces floating, full and reduced bore, soft seated and metal seat:

Size range: 1/4" to 2" , DN8 to DN50

Pressure rating: ANSI Class 900-1500-2500

DIN PN160-PN250- PN400

Top Entry floating ball valves & Top Entry full trunnion valves:

ZTE:

CL150 - 300 - 600: 1/2"to 4"Full bore, (3/4"to 6"Reduced bore)

PN 16 to 100: DN15 to DN100 Full bore, (DN20 to DN125 Reduced bore)

TEGS:

CL150 - 300 - 600 - 900: 6"to 40"Full bore, (8" to 40" Reduced bore)

PN 10 to 100: DN150 to DN1000 Full bore, (DN200 to DN1000 Reduced bore)

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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. Valves are to be suitable for the internal fluid and external environment.
3. The piping system is to be tested in accordance with the rules on completion of installation.
4. 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. LR2301619TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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