

Approval Certificate



This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the GL Approval System.

Certificate No.	61 459 - 13 HH
Company	Wilhelm Sander Fertigung GmbH Zum Panrepel 41 28307 Bremen, GERMANY
Product	Flanged butterfly valves
Type	double excentric type, fire safe design
Technical Data / Application	Nominal Sizes, DN [mm]: 200, 250, 300 Nominal Pressure PN [bar]: 10 Materials: Sizes DN200, DN250, DN300: Valve body: carbon steel GP240GH Bonnet: carbon steel GP240GH Shaft: stainless steel X17CrNi16-2 Valve disc: stainless steel GX5CrNiMo19-11-2 Seat ring: FPM (Viton) Retaining ring: GX5CrNiMo19-11-2 Gasket: Graphite Protective washer: Brass Antistatic device: stainless steel Temperature range: Working temperature max. 135°C using FPM (Viton) as a seat ring. Application: refer to page 2
Approval Standard	Manufacturer's specifications and approved quality assurance plans (ref. to Documents bellow)
Documents	Approved quality assurance plans: N 8604535, rev.0 dd.02/07/13, N 8605001, rev.0 dd.02/07/13, N 8604414, rev.0 dd.02/07/13, (continuation on page 2)
Remarks	The selection of the butterfly valves for the corresponding service and the right installation are to be in accordance with the instructions of the manufacturer.
Valid until	2018-11-11
File No.	XLB.01

Germanischer Lloyd

Hamburg, 2013-11-12

Hanspeter Raschle

Plamen Dinkov

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Application:

The butterfly valves are approved to be used in pipe assemblies for fuel oil and lubricating oil.

Documents (continuation from page 1):

Drawings

4042-01-024-Rev.d dated 2013-09-30;

4042-01-025-Rev.C dated 2013-06-26;

4042-01-026-Rev.d dated 2013-09-13;

Manufacturer's specification D-4042-13-C2CA16_eng;

Manufacturer's Manual - Figure 404.2 (issue 04+05/13);

GLP-Report no. 13 07 305 HH, dd. 2013-07-23 – Evaluation of X-ray examination in accordance with EN 12681 Class A, DIN 1690 T2;

GL Test Certificate no. 77773 BH;

Dye-Penetrant Test Report no. Applus 09/0020 dated 2013-09-28;

Material Inspection Certificates acc. to EN 10204-3.1, no. S131399/1, S131399/2;

Inspection certificate for visual and dimensional inspection, pressure test / no. 38Z0177 dated 2013-10-31;

MARKING

Each valve shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

Manufacturer's mark (Designation) / Nominal Diameter / Nominal pressure.

REMARKS

Flanged connections in fuel oil lines are to be screened or otherwise suitably protected to avoid any oil spray or oil leakages onto hot surfaces, into machinery air intakes, or other sources of ignition.

Flanged connections in fuel oil lines which lay directly above hot surfaces or other sources of ignition are to be screened and provided with drainage arrangements.

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Hamburg, 2013-11-12

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