

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	14 421 - 99 HH
Company	EagleBurgmann Bredan A/S Odinsvej 1 6950 Ringkøbing, DENMARK
Product Description	Metallic compensators
Type	AX, AN, LA, UN US, UM, UT, UR
Environmental Category	None
Technical Data / Range of Application	TECHNICAL DATA Size range AX, AN, LA, UN: DN 40 to DN 600 Size range UM, UT, US: DN 40 to DN 1200, 2200 (type US) Pressure range AX, AN, LA, UN: PN 10 to PN 25 Design pressure US, UM, UT: 2,5[bar] (type US) to 4[bar] Temperature range: - 10°C to + 550°C Material Bellow / Flange (standard): 1.4541 / 1.0038
	RANGE OF APPLICATION The compensators are type approved for the use in fuel-, lubricating oil-, hydraulic oil-, thermal oil-, bilge-, fresh and sea water cooling-, ballast water-, compressed air-exhaust gas-, steam and condensate- and sanitary piping systems
	REMARKS For operating temperatures above 50°C the appropriate movement, pressure reduction factors specified by the manufacturer are to be observed
Test Standard	GL VI-7-8 Regulations for the Performance of Type Test,, Part 6 - Test Requirements for Mechanical Components and Equipment, Edition 1998
Documents	- Burst pressure test report dated 29.09.1999, Lifetime tests October 1999 - Bellow calculation acc. to EJMA 8, edition 2003 - WPS-No.: 409-01 dated 1999-06-21
Remarks	Each compensator (except exhaust gas) is subject to final inspection procedure as confirmed by Recognition Certificate GL APC 59 887-13HH

Valid until **2019-11-03**

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Type Approval Symbol



DNV GL


Olaf Drews


Hagen Markus