



Certificate of Compliance

Certificate: 70084047 (LR 58996-5)

Master Contract: 174285 (058996_0_000)

Project: 70084047

Date Issued: 2016-11-03

Issued to: **Blain Hydraulics GmbH**
Pfaffenstrasse 1
Boellinger Hoefe
Heilbronn, 74078
GERMANY
Attention: Frank Pausder

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Susanne Dormann
Susanne Dormann

ASME A17.1/CSA B44

PRODUCTS

Class - C3221 05 HYDRAULIC CONTROL VALVES ELEVATING DEVICES

C3221 85 HYDRAULIC CONTROL VALVES ELEVATING DEVICES- Certified to US Standards

Hydraulic (non-electric) elevator line rupture safety valve. Type R10*. Ambient Temperature Rating: +10 °C to +60 °C.

Type R10	Rated Working Pressure	Flow Rate (max)
½"	100 Bar	4-90 l/min
¾"	100 Bar	5-100 l/min
1"	100 Bar	101-175 l/min
1-1/2"	100 Bar	176-425 l/min
2"	100 Bar	426-800 l/min
2-1/2"	80 Bar	801-1225 l/min
3"	60 Bar	1226-2100 l/min



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Notes:

1. These valves are intended for use with ISO Grade 46 hydraulic fluid.
2. The type designation may be completed by replacing asterisk (*) with figures 2, DK or ES for optional configurations. Where 2 indicates preset lowering control, DK indicates twin cylinder connection, and ES is provided with a CSA Certified Limit Switch (contacts rated: 10A, 300V ac) for external loads.
3. The valves have been subjected to an endurance test of 500,000 operations for elevator controls.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No 139-13
ASME A17.1-2013/CSA B44-13

Electrically Operated Valves
Safety Code for Elevators and Escalators



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70084047	2016-11-03	LR 58996-5 superseded by certificate 70084047. Update standard C22.2 No. 139 to current edition. Addition of 1/2" valve.
LR 58996-5	1996-03-19	Original Certification of hydraulic elevator valves.