

# TYPE EXAMINATION CERTIFICATE – PRODUCTION TYPE

Certificate No.:  
C686824

Initial date:  
02 January, 2025

Validity:  
15 July, 2025 – 01 January, 2035

This certificate consists of 3 pages

This is to certify that representative examples of products manufactured by:

**Mokveld Valves B.V.**

Nijverheidsstraat 67, 2802 AJ Gouda, The Netherlands

have been assessed with respect to the conformity assessment procedure described in:

**ANNEX III MODULE B – PRODUCT TYPE OF DIRECTIVE 2014/68/EU  
ON PRESSURE EQUIPMENT**

and found to comply with the requirements in Annex I – Essential Safety Requirements of the Directive.

This certificate is valid for the following scope:

Type of Pressure Equipment	<b>Pressure accessory / Safety accessory</b>
Product Name	<b>Axial Surge Relief Valve</b>
Product Version	<b>RZD-SR</b>

Place and date:  
Vimercate, 15 July, 2025

Check Validity



N° 0003 PRD

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

For the issuing office:  
Notified Body 0496, Italy  
DNV Business Assurance Italy S.r.l.



**Maurizio Bellina**  
Management Representative

## Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

## Certificate history:

Revision	Description	Issue Date
00	Initial issue	02 January, 2025
01	Correction of documentation on page 3 & 4	15 July, 2025

## Products covered by this Certificate:

Product Name	Product Description	Product version	PED category	Product standards
Axial Surge Relief Valve	Cast steel valve housing with axial spring loaded basket (When valve is part of a safety related measuring, control and regulation system it is classified as a safety accessory)	RZD-SR with multiple options regarding products standards and end-connectors	Up to III IV when part of a safety related measurement control and regulation (SRMCR)	<ul style="list-style-type: none"> <li>ASME B16.34 – 2020</li> <li>API Specification 6D, Twenty-Fifth Edition, November 2021</li> <li>EN 12516-1:2014</li> <li>EN 12516-2:2014</li> </ul>

## Design data:

See Design Review Report ROT21.SC253356.02\_rev.11 for specific Design Parameters and options.

## General data:

Valve Sizes:	DN150 (6"), DN200 (8"), DN250 (10"), DN300 (12")
ASME B16.34 pressure ratings for standard class valves: (See EN 12516-1 for pressure temperature ratings)	Class 150, Class 300, Class 600
EN 12516-1 pressure ratings for standard class valves: (See EN 12516-1 for pressure temperature ratings)	PN25, PN40, PN63, PN100
End connectors:	EN 1092, ASME B16.34 or API 6D flanges

## Sites covered by this certificate

Site Name	Site Address	Date	Report ref
Mokveld Valves BV	Nijverheidsstraat 67 2802 AJ Gouda The Netherlands	17-05-2022	ROT21.SC253356.03_rev2

## Applications/limitations

- The PED category IV Surge Relief Valve alone is not a safety accessory; it shall be used as part of a safety system (safety chain) that protects pressure equipment. In this case the following additional requirements are applicable:
  - Torque/Thrust Functional Testing according to Mokveld specification. The maximum thrust or force required to operate the valve is measured for the following valve operations:
    - open to closed with the bore pressurized
    - closed to open with downstream side pressurized and the cavity at atmospheric pressure
    - closed to open with upstream side pressurized and the cavity at atmospheric pressure
  - Design force for all drive train calculations shall be at least two times the breakaway thrust or torque (API 6D paragraph 5.3.2)

## Documents reviewed:

Document No	Rev.	Date	Title	Status*
<b>General</b>				
67201-140-01	01	14-04-2020	Assembly Drawing – valve type RZD-SR-RVX 12" class 150	FI
1-60752B1	B	20-04-2020	Machining Drawing Body RZD-SR 12" class 150 RF ø298.5	FI
1-22958A1	A	05-02-2002	CAST.BDY VERSION 600 RZD P-M 12" CL600 FL	FI
RD 03 002	0	29-10-2003	Risico analyse RZD-SR	A
ssp-4-5-ped-i1-f5	-	13-01-2021	ESR-Checklist	FI
DPSR-101	01	03-01-2013	General information about Surge Relief valve S92	FI
9000226-197-00	00	08-05-2014	Wall thickness verification according to ASME B16.34/EN 12516-1:2005	A
9000226-198	00	08-05-2014	Wall thickness verification according to EN 12516-2:2005	A
		May 2006	RZD-SR Surge Relief Valve User Manual	A
DPA-009	2	16-08-2011	Welding End Calculation	A
DPA-035	04	March 2020	Maximum temperature–pressure ranges for Mokveld valve generations	A
Q60000	0	14-11-2011	Wall thickness determination according ASME B16.34	FI
Demo-198-00	00	22-2-2023	Wall thickness verification according to EN 12516-2	FI
K01-003 Part 1	8	05-01-2021	Construction of valves according to European Directive 2014/68/EU	FI
K01-003 Part 2	2	05-01-2021	Construction of valves according to European Directive 2014/68/EU (tables)	FI
DPSR 602	07	June 2012	MATERIAL SPECIFICATION FOR S92 V01 SURGE RELIEF VALVES	FI

\*) A=Approved, FI=For information

<b>Product Quality Plans</b>				
67201-300	01	21-02-2020	Quality plan	FI

<b>Welding</b>				
PQR No. 241	-	17.06.2016	WPQR (Pleissner Guss GmbH)	FI
PQR No. 257	-	27.07.2020	WPQR (Pleissner Guss GmbH)	FI
PQR No. 258	-	31.07.2020	WPQR (Pleissner Guss GmbH)	FI
RET0260351/HVN/01	B	13-02-2018	Welding Procedure Qualification Certificate – Overlay Welding EN ISO 15614-7:2007	FI

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## Terms and conditions

This Certificate does not give the Manufacturer the right to CE mark and put on the market the product(s) listed on this Certificate. Only after the product(s) have been found to comply with the requirements in one of the following Conformity Assessment Modules C2, D, E or F, the Manufacturer may draw up an EU declaration of conformity and legally affix the CE mark followed by the identification number of the Notified Body involved in these modules.

Other valid terms and conditions are found in the DNV's PED Certification Requirements.

End of Certificate