

# EU-TYPE EXAMINATION CERTIFICATE – PRODUCTION TYPE

Certificate No.:  
10000464069-PA-ACCREDIA-NLD

Initial date:  
21 June 2022

Validity:  
09 July 2024 – 21 June 2032

This certificate consists of 3 pages

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

## Mokveld Valves BV

Nijverheidsstraat 67, 2802 AJ Gouda, The Netherlands

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

### ANNEX III MODULE B – PRODUCTION 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>Shut-off valves</b>
Product Version	<b>RZD-X</b>

Place and date:  
Vimercate, 09 July 2024

Check Validity



SGQ N° 003 A  
SGA N° 003 D  
SGE N° 007 M  
SCR N° 004 F

EMAS N° 009 P  
PRD N° 003 B  
PRS N° 094 C  
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

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	First Issue	21 June 2022
01	Addition of Product Standard options 4 to 6	09 July 2024

## Design review reference

Documents id	Issued
ROT21.SC253356.02 rev.10	2024-07-04

## Products covered by this Certificate

Product Name	Product Description	Product version	PED category	Product standard
Shut-off Valves	Pressure accessory	RZD-X	Up to III	Option 1. ASME B16.34 – 2020 Option 2. API Specification 6D, Twenty-Fifth Edition, November 2021 + EN 12516-2:2014 Option 3. API Specification 6D, Twenty- Fifth Edition, November 2021 + ASME B16.34 – 2020 Option 4. API Specification 6A, Twenty-First Edition, November 2018 Option 5. EN 14382:2019 Option 6. EN 14141:2013 + EN 12516-1/2
	Safety accessory When valve is part of a safety related measuring, control and regulation system.		IV	

## Design data

Product Name	Maximum allowable pressure (PS)	Minimum allowable temperature (TS)	Maximum allowable temperature (TS)	Test pressure (PT)
Shut-off Valves	As specified in design documentation.			

## Design data

Product Name	DN	Fluid	Fluid group
Shut-off Valves	50 - 1200	Various	1 or 2

## 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

## Documents reviewed

Document No	Rev	Date	Title	Status *)
149478 – ENG / 67724-150	0	04-04-2012	Assembly drawing – Valve Axial on-off valve “HIPPS” (S99)	A
149479 – ENG	0	04-04-2012	Assembly drawing – valve (project 67994)	A
64434-150-00	00	06-03-2019	Assembly drawing – valve Type: RZD-X-6 48” Class 900 WE	A
2-111043	A	09-10-2014	Assembly Body S97 RZD 12” Class 1500 RTJ+RF	FI
64434-150-00	00	06-03-2019	Assembly drawing – valve Type: RZD-X-6 48” Class 900 WE	A
55008-150-01	01	08-03-2013	Assembly drawing – valve (project 55008)	FI
118119 - DUI	C	02-07-2010	Assembly drawing - valve (project 64299, EN 12516-1)	FI
118120 - DUI	B	31-05-2006	Assembly drawing – valve (project 67110, EN 12516-2)	FI
Risk Analysis RZD-X	C	14-05-2012	Risico analyse RZD	FI
ssp-4-5-ped-i1-f5 ESR checklist	-	13.01.2021	ESR-Checklist	FI
HIPPS-S99-EN	04	01-04-2013	Installation, Operation and Maintenance Instructions for the Safety Shut-off Valve	FI
67507-300	00	06-05-2020	Product Quality Plan – ASME B16.34	FI
64434-300	00	14-12-2018	Inspection and Test Plan – API 6D / EN 12516-2	FI
67994-300	00	11-05-2020	Product Quality Plan – API 6A	FI
55008-300	04	27-06-2013	Product Quality Plan - EN 14382	FI
64299-300	01	23-04-2018	Product Quality Plan – EN 14141	FI
67110-300	00	25-10-2019	Product Quality Plan – EN 14141	FI

\*) A=Approved, FI=For information

## Applications/limitations

- The PED category IV shut-off valve alone is not a safety accessory; it shall be used as part of a safety system (safety chain) that protect pressure equipment to have a safety function. In this case the following additional requirements are applicable:
  - Torque/Thrust Functional Testing according to Mokveld specification. The maximum torque or thrust 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 of the obturator pressurized and the cavity at atmospheric pressure
    - closed to open with upstream side of the obturator pressurized and the cavity at atmospheric pressure
 The measured torque or thrust results shall be recorded and shall not exceed the manufacturer’s documented breakaway torque/thrust.
  - Design thrust or torque for all drive train calculations shall be at least two times the breakaway thrust or torque (API 6D paragraph 5.3.2)
  - Output of actuator shall not be higher than the Maximum Allowable Stem Torque/Thrust (MAST) that can be applied to the valve drive train.

## 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