

# TYPE APPROVAL CERTIFICATE

## This is to certify:

That the product(s) **Pressure receptacle (Chapter 6.2)**

with name and/or type designation(s)  
**Ball Valves for compressed gases**

Manufactured by  
**Oasis Engineering Limited**  
**Tauranga, New Zealand**

has been assessed with respect to the type approval procedure required by Council Directive 2010/35/EU on Transportable Pressure Equipment, Article 12, and set out in the annexes to Directive 2008/68/EC. (ADR chapter 1.8.7.2), and found to comply

Further details are given overleaf

This Certificate is valid until **2028-05-22**.

Issued at **Høvik** on **2023-05-23**



for the Notified Body 0575  
**DNV AS**

**Zeinab Sharifi**  
**Head of Notified Body**

Lack of fulfilment of conditions as set out in the Product Certification Agreement may render this Certificate invalid.  
The digitally signed and electronically distributed document is the original and valid certificate.

DNV AS, Veritasveien 1, 1363 Høvik, Norway. Tlf.: +47 67 57 91 00. Email: [PED@dnv.com](mailto:PED@dnv.com)

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### Jurisdiction

Application of Directive 2010/35/EU and Norwegian Regulation FOR-2012-11-22-1088 "Forskrift om Transportabelt Trykkutstyr" issued by the Norwegian Directorate of Civil Protection and Emergency Planning.

### Certificate history

Revision	Description	Issue Date
-	Original certificate	2023-05-23

### Products covered by this Certificate

#### Product Description

Product Group	Product sub group	Product description/designation
Pressure Receptacle	Valve	BV-900 Series Valve
Cylinder	Valve	TH-900 Series Valve
Tank Trailer	Valve	TM-900 Series Valve

### Design Data

The design have been assessed based on the following data

Applied issue of ADR	2023
Applied product standard	ISO 23826:2021
Test pressure (bar)	462 bar
Working pressure (bar)	385 bar
Working temperature (°C)	-40°C to +65°C
Volume (litre)	Not applicable
Dimensions	Nominal Dia. 1/4", 3/8", 1/2", 3/4" and 1"

### Fittings

Available with female BSPP, NPT, SAE, or male ORFS end connections

### Media to be transported

Hydrogen, CNG and other compressed gases

### Applications/Limitations

- This Certificate only relates to directives described above. Other directives, covering other phenomena, and also having requirements related to CE marking, might also apply.

### Tests carried out on Prototype(s)

Product Name/Identification	Tests
900 Series Ball Valve	according BV900-ITP rev.2
Production Site Name	Address
Oasis Engineering Ltd.	129 Birch Ave., Tauranga 3110, New Zealand

Inspection of manufacturing and testing of prototype(s) has been carried out by DNV OSL, ref. Assessment Report 341.5-000065-1 dated 2023-05-21

### Documents Reviewed

Document No.	Rev.	Date	Title	Status <sup>1</sup>
BV 900	64-B	2023-04-28	900 Series Valve Range	A
CR 242	B	2023-05-18	900 Series valve range Type Testing Product Certification Report	FI

Further documents detailed in the design review report DRR-341.5-000065-1-J-1

### Terms and conditions

Valid Terms and Conditions are found in the Product Certification Agreement which includes DNV's TPED Certification Requirements.

<sup>1</sup> A = Approved, AC = Approved with comments, FI = For information