Type Approval Certificate

Certificate № TAC-1266-361-2201

Issue Date: 9th December 2022

Valid Until 18th January 2027

Manufacturer Tekno Valves

Address Natun Rasta, Bilkanda, 24 Parganas (N)
Kolkata – 700 113

Country India

Manufacturer's Mark

Regulation[s]: CDG TPE (Amendment) & (EU Exit) Regulations 2020; ADR 2021

Design Specification: EN ISO 10297:2014

Valve Type: Cylinder Valves for Medical Gases

Drawing №: PBN-12

Revision: -

Test Pressure: Max. 240 **bar** **Working Pressure:** Dependent on service gas **bar**

Material: Brass, PA.66/PEEK Sealing

Contents: O2, N2O, He, CO2, N2, CO, Medical Air

Additional Information: UK counterpart approval of BAM certificate BAM-TPED-2016/018

Specific materials, Gas contents and passage diameters dependant on variant; Open/close mechanism being common between all variants

Impact test has been performed but Valve protection is still required for cylinders above package mass threshold per Annex IA

Family drawings numbers suffixed '-R' incorporate dual Rho/Pi marking but are otherwise identical to the drawing without this suffix

Revision №	Revision History

Details of the results of the examination of the cylinder for type approval and the main features of the type are attached.

The undersigned certifies that the cylinder type described above conforms to the requirements of the Regulation[s] specified above.

The applicant is obliged to advise AISL in writing of all modifications to this approved type. Such modifications may be subject to additional approval.

An application for renewal after expiration shall be made to enable continued certification.

Simon Davies

Certifying Inspector

Arrowhead Industrial Services Limited

Orion House, Barn Hill, Stamford, Lincolnshire, PE9 2AE UK

UK Appointed Identification Number: 1266

Signature

S. H. Davies
Digitally signed by Simon Davies
Date: 2022.12.09 10:34:30 Z

Inspector's Mark

UKAS PRODUCT CERTIFICATION 4542

List of Technical Documents For Type Approval

Type Approval Number TAC-1266-361-2201– Supporting Technical Documents

№	Documents	References
1	Application for Type Approval	Dated 16th November 2022
2	Valve Drawings	TV/DR/3226/2015-R Rev 0 TV/DR/3253/2015-R Rev 0 TV/DR/3709/2016-R Rev 0
3	Representative Stamp Mark Drawings	TV/DR/3226/2015-R TV/DR/3253/2015-R TV/DR/3709/2016-R
4	Stage 2 Test Review	PBN-12 Stage 2 test review ISO 10297
5	Hydraulic Burst Pressure Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4
6	Flame Impingement Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4
7	Excessive Torque Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4
8	Leak Tightness Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4, 5
9	Endurance Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4, 5
10	Visual Examination	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4, 5
11	Valve Impact Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 4, 5
12	Acetylene Hydraulic Burst Pressure	N/A Non-Acetylene
13	Acetylene Seat Leak Tightness	N/A Non-Acetylene
14	Oxygen Pressure Surge Test	BAM Test report - DGA-15-045 Tekno PBN-12 ISO 10297 PB pg 5, 6