

Type Approval Certificate

Certificate N^o TAC-1266-361-2201-1

Valid From 13th November 2024

Valid Until 18th January 2027

Manufacturer Tekno Valves

Manufacturer's Mark

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



Country India

Regulation[s]: CDG TPE Regulations 2009 (As amended); ADR 2023

Design Specification: EN ISO 10297:2014

Valve Type: Cylinder Valves for Medical Gases

Drawing N^o: 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 N ^o	Revision History
-1	Amendment to accredited UKAS symbol and updates to template

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 manufacturer is required to maintain a quality management system in accordance with 6.2.2.5.3 of the ADR, the validity of which shall be independently verified at regular intervals.

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

Signature

Certifying Inspector

Arrowhead Industrial Services Limited

Orion House, 14 Barn Hill, Stamford, Lincolnshire, PE9 2AE UK

Competent Authority: Department for Transport (DfT)

UK Appointed Identification Number: 1266

Inspector's Mark



4542

Type Approval Number TAC-1266-361-2201-1– Supporting Technical Documents

Nº	Documents	References
1	Application for Type Approval	Dated 16 th 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