

DIN EN ISO 17871:2024-08 (E)

Gas cylinders - Quick-release cylinder valves - Specification and type testing (ISO 17871:2020 + Amd.1:2024) (includes Amendment :2024)

| Contents | Page |
|--|------|
| European foreword..... | 3 |
| [A1] European foreword to Amendment A1 [A1] | 4 |
| Foreword | 5 |
| [A1] Foreword to Amendment A1 [A1] | 6 |
| Introduction | 7 |
| 1 Scope | 8 |
| 2 Normative references | 8 |
| 3 Terms and definitions..... | 9 |
| 4 Requirements..... | 10 |
| 4.1 General requirements..... | 10 |
| 4.2 Differing/additional requirements..... | 10 |
| 4.2.1 Valve connections..... | 10 |
| 4.2.2 Resistance to mechanical impact..... | 10 |
| 4.2.3 Valve operating mechanism | 10 |
| 4.2.4 Valve operating device..... | 10 |
| 4.2.5 Leakage..... | 10 |
| 4.2.6 Documentation | 11 |
| 4.2.7 Valve burst test pressure | 11 |
| 4.2.8 Valve test pressure..... | 11 |
| 4.2.9 [A1] Hydraulic burst pressure test [A1] | 11 |
| 4.2.10 Leak tightness tests..... | 12 |
| 4.2.11 Endurance test..... | 12 |
| 4.2.12 Securing arrangements | 13 |
| 4.3 Manufacturing tests and examinations | 13 |
| 5 Marking..... | 13 |
| Annex A (normative) Manufacturing tests and examinations | 15 |
| A.1 General requirements..... | 15 |
| A.2 Differing/additional requirements..... | 15 |
| A.2.1 Valve test pressure..... | 15 |
| A.2.2 Tests to be performed on every valve..... | 15 |
| A.2.3 Inspections, verifications and examinations to be performed on a sample..... | 15 |
| Bibliography..... | 16 |