

ISO 9012:2023-10 (E)

Gas welding equipment - Air-aspirated hand blowpipes - Specifications and tests

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Main types of aspiration | 2 |
| 5 | Apparatus | 5 |
| 6 | Requirements | 6 |
| 6.1 | General | 6 |
| 6.2 | Materials | 6 |
| 6.3 | Valves | 6 |
| 6.4 | Shank | 6 |
| 6.5 | Hose connection | 7 |
| 6.6 | Gas tightness | 7 |
| 6.7 | Gas-flow rate | 7 |
| 6.8 | Safety against sustained backfiring and blowing-off of the flame | 7 |
| 6.9 | Flame adjustment | 7 |
| 6.10 | Stability in air currents | 8 |
| 6.11 | Ignition | 8 |
| 7 | Tests | 8 |
| 7.1 | General | 8 |
| 7.2 | General checks | 8 |
| 7.3 | Operational tests | 8 |
| 7.4 | Shank-overheating tests | 8 |
| 7.5 | Gas tightness | 9 |
| 7.6 | Valve endurance test | 9 |
| 7.7 | Checking gas-flow rates | 9 |
| 7.8 | Safety against sustained backfire and blowing-off of the flame | 9 |
| 7.9 | Stability in air currents | 9 |
| 7.10 | Verification of the device against inadvertent operation | 9 |
| 8 | Marking | 9 |
| 8.1 | General | 9 |
| 8.2 | Marking of the shank | 10 |
| 8.3 | Marking of the attachment | 10 |
| 9 | Code letters identifying the gas(es) used | 10 |
| 10 | Instructions for use | 10 |
| Bibliography | | 11 |