

DIN EN ISO 9012:2011-12 (E)

Gas welding equipment - Air-aspirated hand blowpipes - Specifications and tests (ISO 9012:2008)

| Contents | | Page |
|--------------------|--|-------------|
| Foreword | | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Terms and definitions | 4 |
| 4 | Main types of aspiration | 5 |
| 5 | Description of components | 8 |
| 5.1 | Shank or handle | 8 |
| 5.2 | Attachment | 8 |
| 5.3 | Self-closing on/off valve control | 9 |
| 5.4 | Device to prevent inadvertent operation | 9 |
| 6 | Requirements | 9 |
| 6.1 | General | 9 |
| 6.2 | Materials | 9 |
| 6.3 | Valves | 9 |
| 6.4 | Shank | 9 |
| 6.5 | Hose connection | 10 |
| 6.6 | Gas tightness | 10 |
| 6.7 | Gas-flow rate | 10 |
| 6.8 | Safety against sustained backfiring and blowing-off of the flame | 10 |
| 6.9 | Flame adjustment | 10 |
| 6.10 | Stability in air currents | 10 |
| 6.11 | Ignition | 11 |
| 7 | Tests | 11 |
| 7.1 | General | 11 |
| 7.2 | General checks | 11 |
| 7.3 | Operational tests | 11 |
| 7.4 | Shank-overheating tests | 11 |
| 7.5 | Gas tightness | 11 |
| 7.6 | Valve endurance test | 12 |
| 7.7 | Checking gas-flow rates | 12 |
| 7.8 | Safety against sustained backfire and blowing-off of the flame | 12 |
| 7.9 | Stability in air currents | 12 |
| 7.10 | Verification of the device against inadvertent operation | 12 |
| 8 | Marking | 12 |
| 8.1 | General | 12 |
| 8.2 | Marking of the shank | 13 |
| 8.3 | Marking of the attachment | 13 |
| 9 | Code letters identifying the gas(es) used | 13 |
| 10 | Instructions for use | 13 |
| Bibliography | | 15 |