

SBC mini

The **SBC mini** is a safety device, also called slam shut valve, suitable to quickly interrupt the gas flow when the pressure reaches a calibration set value. This device is mainly used for CNG trailers, in high-pressure transmission systems and in medium pressure gas distribution networks.



Gas compression /
booster stations



Gas storage



City gates



Gas liquefaction

| Features | Values |
|-------------------------------------|--|
| Design pressure* | up to 25 MPa up to 3625 psig |
| Ambient temperature* | from -20 °C to +60 °C from -4 °F to +140 °F |
| Inlet gas temperature range* | from -20 °C to +60 °C from -4 °F to +140 °F |
| Available Accessories | Limit switch, remote tripping |
| Accuracy class AG | up to 2.5 for OPSO (depending on working conditions) up to 2.5 for UPSO (depending on working conditions) |
| Over pressure setting range (OPSO) | from 0.2 to 9 MPa from 29 to 1305 psig |
| Under pressure setting range (UPSO) | from 20 kPa to 9 MPa from 2.9 to 1305 psig |
| Nominal dimensions DN | DN 25 1"; |
| Connections* | ANSI 1500 according to ASME B16.5 or threaded NPT |
| End to end dimensions | according to EN 334, EN 14382 |

(* NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

Table 1 Features

Materials and Approvals

| Part | Material |
|----------------------|---|
| Body | ASTM A350 LF2 - Carbon steel |
| Stem | AISI 416 stainless steel |
| Plug | Stainless steel |
| Valve seat | Stainless steel |
| Sealing ring | Nitrile rubber |
| Compression fittings | Zinc-plated carbon steel according to DIN 2353; |

NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.











Table 2 Materials

The **SBC mini** slam shut valve is designed according to the European standard EN 14382. Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.



EN 14382

SBC mini competitive advantages

-  OPSO Over Pressure Shut-Off
-  UPSO Under Pressure Shut-Off
-  Internal by-pass
-  Push button for tripping test
-  Top Entry
-  Compact dimensions
-  Easy maintenance
-  Remote tripping option
-  Limit switch option
-  Biomethane compatible and available with specific versions for full Hydrogen or blending