

SBC mini

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



Gas liquefaction



City gates



Features	Values
Design pressure*	up to 25 MPa up to 250 barg
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 MPa to 9 MPa from 2 barg to 90 barg
Under pressure setting range (UPSO)	from 0.02 MPa to 9 MPa from 0.2 barg to 90 barg
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

(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.

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;

REMARK: 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