

SBC 782

The **SBC 782** 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 in high-pressure transmission systems and in medium pressure gas distribution networks.



	Gas compression / booster stations		Gas reverse-flow		Heavy industry
	Gas liquefaction		LNG marine transportation		District stations
	Gas storage		Regasification		Medium/small industry
	City gates		Power generation		Commercial users

Features	Values		
Design pressure*	up to 10.3 MPa up to 1500 psig		
Ambient temperature*	Standard version from -10 °C to +70 °C from +14 °F to +158 °F	Arctic version from -40 °C to +65 °C from -40 °F to +150 °F	High temperature version (only DN 25 1" - DN 50 2") from -10 °C to +80 °C from +14 °F to +176 °F
Inlet gas temperature range*	Standard version from -10 °C to +70 °C from +14 °F to +158 °F	Arctic version from -20 °C to +60 °C from -4 °F to +140 °F	High temperature version (only DN 25 1" - DN 50 2") from -10 °C to +80 °C from +14 °F to +176 °F
Available Accessories	Limit switch, remote tripping		
Maximum inlet pressure	10.2 MPa (for CE marked product it is limited to 10.0 MPa) 1480 psig (for CE marked product it is limited to 1450 psig)		
Accuracy class	up to 2.5% gauge for OPSO (depending on working conditions) up to 2.5% gauge for UPSO (depending on working conditions)		
Over pressure setting range (OPSO)	from 2 KPa to 9 MPa from 0.29 to 1480 psig		
Under pressure setting range (UPSO)	from 1 KPa to 9 MPa from 0.14 to 1480 psig		
Nominal dimensions DN	DN 25 / 1"; DN 50 / 2"; DN 80 / 3"; DN 100 / 4"; DN 150 / 6"; DN 200 / 8"; DN 250 / 10"		
Connections*	Class 150/300/600 RF / RTJ according to ASME B 16.5 or PN 16/25/40 according to EN 1092-1		
End to end dimensions	according to EN 334, EN 14382, ASME B16.10		

(*) 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	Cast steel ASTM A 352 LCC for class ANSI 600 and 300 Cast steel ASTM A 216 WCB for class ANSI 150 and PN 16
Stem	AISI 416 stainless steel
Plug	Stainless steel
Valve seat	Stainless steel
Sealing ring	Nitrile rubber
Compression fittings	According to DIN 2353 in zinc-plated carbon steel

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

Table 2 Materials

The **SBC 782** slam shut valve is designed according to the European standard EN 14382. The product is certified according to European Directive 2014/68/EU (PED). Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.



EN 14382



PED-CE

SBC 782 competitive advantages



Over Pressure Shut-Off



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
20% Hydrogen blending compatible.
Higher blending available on request