

SSX 176

SSX 176 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



Power generation



Gas liquefaction



LNG marine
transportation



Heavy industry



Gas storage



Regasification



District stations



City gates

Features	Values
Design pressure*	up to 10.2 MPa up to 102 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 0.005 MPa to 9 MPa from 0.05 barg to 90 barg
Nominal dimensions DN	DN 25 / 1"; DN 50 / 2"; DN 80 / 3"; DN 100 / 4"; DN 150 / 6";
Connections*	ANSI 150, 300 and 600 according to ASME B16.5 and PN 16 according to EN 1092
End to end dimensions	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	Steel ASTM A350 LF2
Plug	ASTM A 350 LF2 Nickel coated on sealing surface
Seat	Polyurethane
Diaphragm	Rubberized canvas (performed by hot-pressing process)
Sealing ring	Nitrile rubber
Compression fittings	In zinc-plated carbon steel according to DIN 2353; Stainless steel on request

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

Table 2 Materials

SSX 176 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

SSX 176 competitive advantages

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