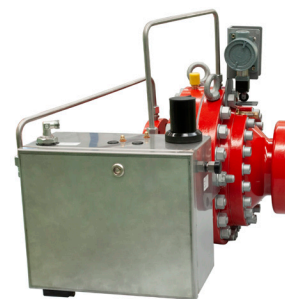


SSX 176

The **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 1479 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 5 kPa to 9 MPa from 20" w.c. to 1305 psig
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

(* 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	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

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

Table 2 Materials

The **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

-  OPSO Over Pressure Shut-Off
-  UPSO 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