

SCN

SCN 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 medium and low pressure gas distribution networks.



LNG marine transportation



Power generation



District stations



Gas reverse-flow



Heavy industry



Medium/small industry



Regasification



Gas engines



Commercial users

Features	Values
Design pressure*	up to 1.6 MPa up to 232 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 5 for UPSO (depending on working conditions)
Over pressure setting range (OPSO)	from 2.5 kPa to 0.5 MPa from 10" w.c. to 72 psig
Under pressure setting range (UPSO)	from 1 kPa to 0.3 MPa from 4" w.c. to 44 psig
Nominal dimensions DN	DN 25 1"; DN 40 1-1/2"; DN 50 2"; DN 65 2-1/2"; DN 80 3"; DN 100 4"; DN 150 6"; DN 200 8";
Connections*	Class 150 RF according to ASME B16.5 and PN16 according to ISO 7005
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	Cast steel ASTM A 216 WCB (all DN). Spheroidal ductile iron GS 400 – 18 ISO 1083 DN 150 (6") included.
Stem guide	AISI 416
Plug	AISI 416 + TN028
Valve seat	AISI 420
Sealing ring	Nitrile rubber
Compression fittings	According to DIN 2353 in zinc-plated carbon steel. 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

SCN 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

SCN 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 20% Hydrogen blending compatible. Higher blending available on request