

# 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 16 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 5 for UPSO (depending on working conditions)
Over pressure setting range (OPSO)	from 2.5 kPa to 0.5 MPa from 25 mbarg to 5 barg
Under pressure setting range (UPSO)	from 1 KPa to 0.3 MPa from 10 mbarg to 3 barg
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



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