Slam shut off valve

Valvole di blocco

Mod. SV & SVD

Italiano



MADE IN ITALY

Slam shut off valve

SV015-**6B**-OPSO

1 2 3 4

1 SLAM SHUT OFF VALVE:

SV = Attacchi filettati
SVD=Attacchi flangiati

2 DIMENSIONI:

025= 1”
25= DN25
032= 1 1/4”
32= DN32
040= 1 1/2”
40= DN40
050= 2”
50= DN50
65= DN65
80= DN80
100= DN100

3 PRESSIONE MASSIMA:

6bar

4 OPSO:

da 1/2" a 2":
Cod. **SPBK1-1RV**: **20** ÷ **120**mbar **(Nera)**
Cod. **SPG1-1RV**: **100** ÷ **450**mbar **(Verde)**
Cod. **SPBR1-1RV: 200** ÷ **700**mbar **(Marrone)**

da DN65 a DN100:
Cod. **SPBK1** / **SPBK2-O: 150** ÷ **250**mbar **(Nera)**
Cod. **SPG2-O: 300** ÷ **500**mbar **(Verde)**

DESCRIZIONE

Le **Slam shut off valve** sono valvole di blocco, nate per essere abbinate a qualunque sistema di sicurezza gas industriale.
Queste valvole hanno la funzione di bloccare l'eccessivo flusso del gas salvaguardando l'intero sistema.
Quando la pressione del flusso di gas supera la pressione di taratura la valvola si chiude automaticamente mettendo in sicurezza l'impianto.
Dopo aver eliminato l'inconveniente riarmare la valvola.
Tutte le valvole di blocco sono a riarmo manuale.

MARCATURA

A seconda del modello le **Slam shut of valve** possiedono un etichetta identificativa con le principali carateristiche tecniche (Fig.1):

CE 0497

SV050-6B-OPSO

UNI EN 88/2	Body: 2"
Pe max: 6 bar	Classe: A
Pd: 100 ÷ 450mbar	Gruppo: 2
T. amb.: -20 +60°C	

S/N 162137001

Fig.1

INSTALLAZIONE

Questo dispositivo deve essere installato secondo le leggi in vigore.
Prima di procedere all'instalalzione assicurarsi di aver chiuso il gas.
Le valvole di blocco devono essere installate in posizione orizzontale con un angolazione max di 90° e con la freccia stampata sul corpo rivolta verso l’utenza.

Leggere attentamente il foglietto istruzioni prima dell’uso.

Le valvole di blocco se installate seguendo tutte le indicazioni del seguente documento non costituiscono fonte di pericolo.
Solamente in particolari condizioni di guasto le valvole di blocco potranno rilasciare in ambiente sostanze infiammabili. Se le valvole sono installate in un ambiente poco areato consigliamo di togliere il ***tappo di protezione*** e di collegare un tubetto con attacco da M10X1. Posizionare l'altra estremità del tubetto all'esterno del locale. In questo caso il gas di sfiato verrà espulso nell'ambiente esterno.

Prima dell'installazione verificare che la pressione di rete non sia superiore alla massima pressione sopportabile dalla valvola di blocco.

Le valvole di blocco devono essere installate a monte degli **organi di regolazione** (Fig.1).
La freccia stampata sul corpo della valvola di blocco deve essere sempre rivolta verso l'utenza.

Collegare la **presa di blocco (Fig.1)** della valvola di blocco con un tubetto di rame con attacco da G 1/8" che dovrà poi essere collegato nella tubazione a valle degli **organi di regolazione** (Stabilizzatori) come da figura 1.

Assicurarsi di non aver creato trucioli o detriti all'interno della tubazione di rete.
Verificare con attenzione i collegamenti eseguiti e provare la tenuta dell'impianto.

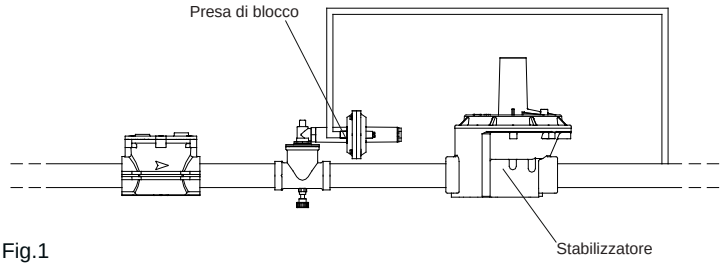


Fig.1

TARATURA PRESSIONE

Svitare il ***Tappo di regolazione*** (1) per accedere al ***Premi-molla*** (2) Fig.2.
La pressione di uscita viene regolata ruotando il ***Premi-molla.***
Tramite una chiave a brugola di 10mm girare il ***Premi-molla*** in senso orario per aumentare la pressione; per diminuire la pressione girare il ***Premi-molla*** in senso antiorario.
Dopo aver effettuato la regolazione, riposizionare il ***Tappo di regolazione***.

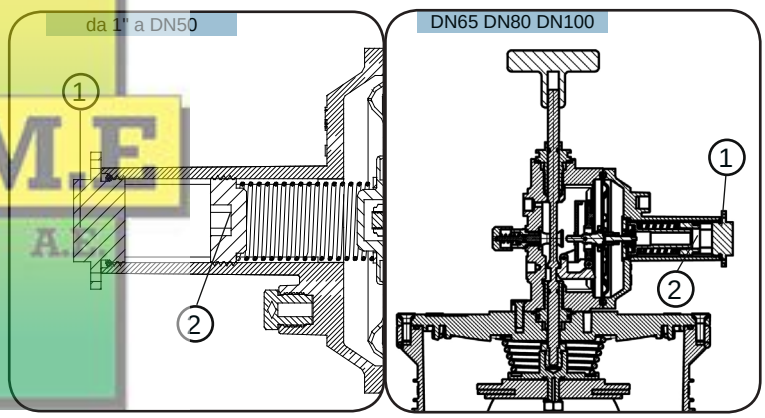


Fig.2

RIARMO MANUALE

Assicurarsi di aver chiuso la portata a valle della valvola.
- Per i modelli (1", DN25, 1"1/4, DN32, 1"1/2, 2" DN25) (Fig.3a) spingere la "***Manopola di riarmo***";
- Per i modelli flangiati (DN65, DN80, DN100) (Fig.3b) tenere premuto il "***Pulsante di Sblocco/Riarmo***" , tirare la "***Manopola di riarmo***", *lasciare il pulsante e successivamente la* "***Manopola di riarmo***". Per chiudere la valvola premere con forza sul "***Pulsante di Sblocco/Riarmo***".

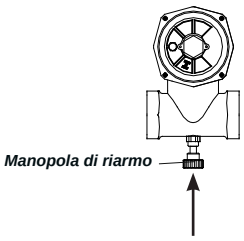


Fig.3a

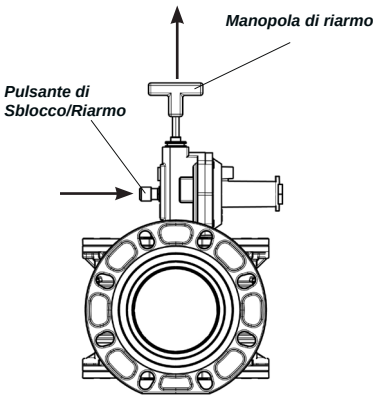


Fig.3b

MANUTENZIONE

Si consiglia di verificare periodicamente l’intervento della valvola. In caso di necessità, prima di effettuare qualsiasi operazione sulla valvola, accertarsi che all’interno della stessa non vi sia gas in pressione. **Qualsiasi operazione di manutenzione dev’essere eseguita da personale qualificato.**

S.I.M.F. A.

1-Corpo
2-Cappello
3-Guarnizione
4-Vite
5-Dado autobloccante
6-Molla
7-Manopola di riarmo
8-Pulsante Sblocco/Riarmo
9-Pistoncino
10-O-Ring

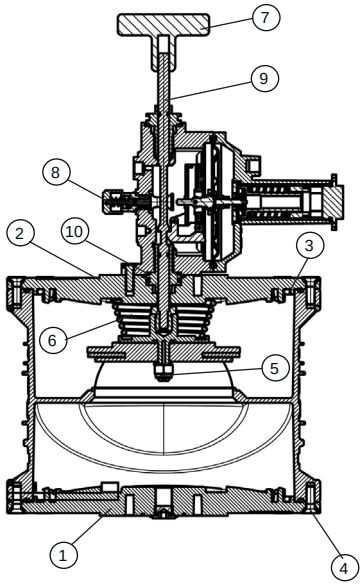
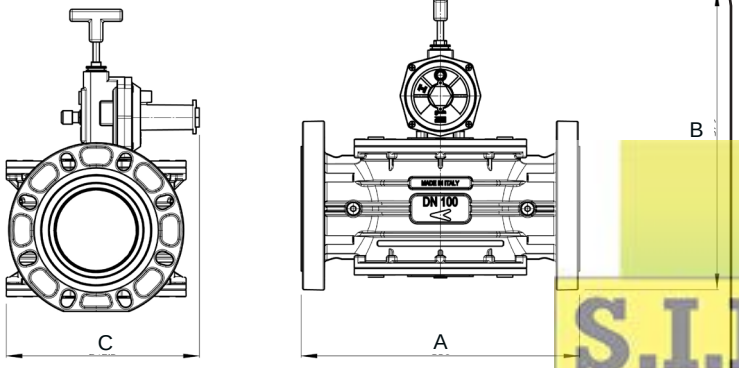
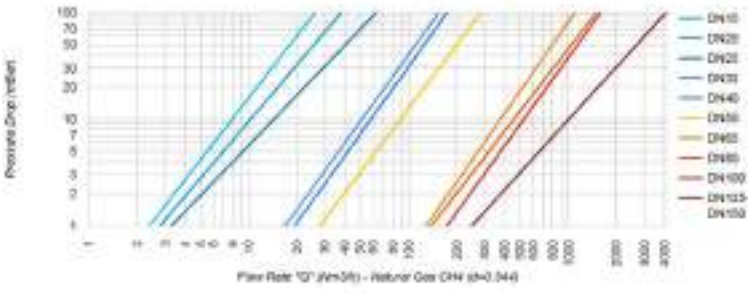


Fig.4



MODELLO	A(mm)	B (mm)	C (mm)
SVD65-6B-OPSO	350	379	245.2
SVD80-6B-OPSO	350	379	245.2
SVD100-6B-OPSO	350	379	245.2

DIAGRAMMA DELLE PERDITE DI CARICO



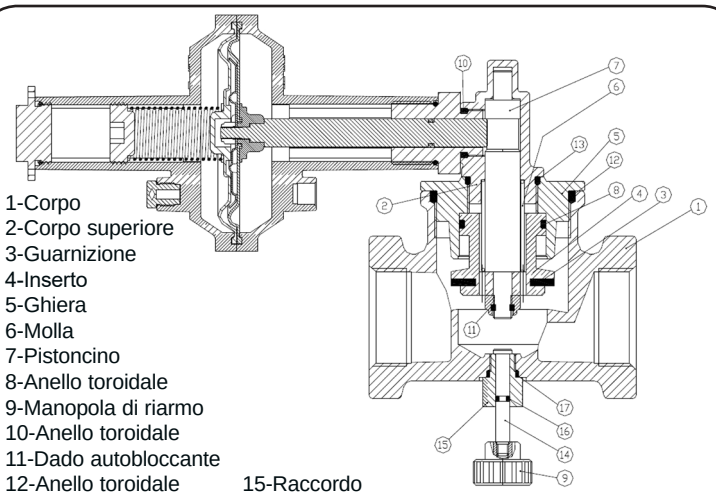
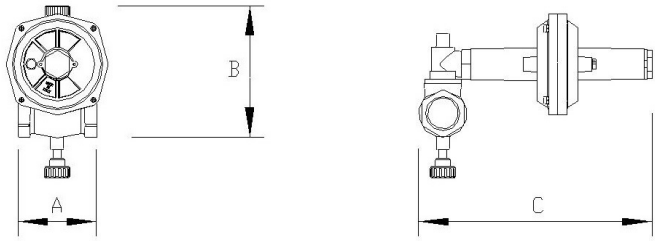
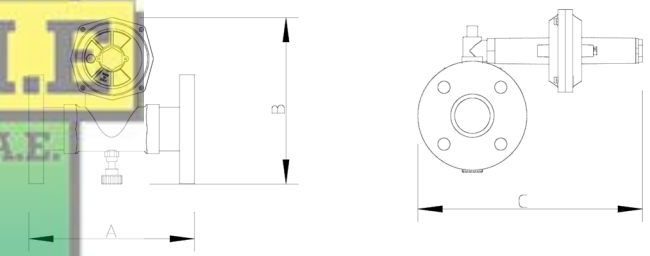


Fig.5



MODELLO	A (mm)	B (mm)	C (mm)
SV025-6B-OPSO	78,0	165,0	234,0
SV032-6B-OPSO	114,0	197,0	245,0
SV040-6B-OPSO	114,0	197,0	245,0
SV050-6B-OPSO	139,0	205,0	252,0



MODELLO	A (mm)	B (mm)	C (mm)
SVD25-6B-OPSO	140,0	152,0	266,0
SVD32-6B-OPSO	224,5	188,5	280,0
SVD40-6B-OPSO	221,5	198,5	283,0
SVD50-6B-OPSO	245,5	215,0	285,0

CARATTERISTICHE TECNICHE

Press. max di esercizio:	6bar
OPSO da 1/2" a 2":	
	Cod. **SPBK1-1RV**: **20** ÷ **120**mbar **NERA**
	Cod. **SPG1-1RV**: **100** ÷ **450**mbar **VERDE**
	Cod. **SPBR1-1RV: 200** ÷ **700**mbar M**ARRONE**
OPSO da DN65 a DN100:	
	Cod. **SPBK1** / **SPBK2-O: 150** ÷ **250**mbar **NERA**
	Cod. **SPG2-O: 300** ÷ **500**mbar **VERDE**
Temp. di esercizio:	-20°C +60°C
Classe:	A
Gruppo:	2
Tempo di chiusura:	<1 sec.
Grado di protezione:	IP65
Gas combustibili:	Gas non aggressivi famiglia 2.
Materiali a contatto col gas:	alluminio pressofuso, acciaio e membrane in NBR certificate DVGW EN 549.
Conformità:	Conforme direttiva 2014/68/UE (Direttiva PED)
Attacchi:	Filettati (1", 1"1/4, 1"1/2, 2") EN 10226 Flangiati PN10 (DN32, DN40, DN50)
Corpo valvola:	Alluminio pressofuso Gd - AlSi12Cu-EN AB 46100

MADE IN ITALY

Cod.2.710.2930 dis.8034086C

MADE IN ITALY

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www.tecnocontrol.it

GECA Srl
Via E. Fermi, n°98 25064 Gussago (BS)
Italy Tel. +39 030 3730218
www.gecasrl.it

La casa costruttrice riserva il diritto di apportare qualsiasi modifica, estetica o funzionale, senza preavviso alcuno ed in qualsiasi momento.

S.I.M.E. A.E.

Slam shut off valve
Mod. SV & SVD

English



MADE IN ITALY

Slam shut off valve

SV015-**6B**-OPSO
1 2 3 4

1 SLAM SHUT OFF VALVE:

SV = Threaded connections
SVD=Flanged connections

2 DIMENSIONS:

025= 1”
25= DN25
032= 1 1/4”
32= DN32
040= 1 1/2”
40= DN40
050= 2”
50= DN50
65= DN65
80= DN80
100= DN100

3 MAXIMUM PRESSURE:

-6B = 6bar

4 OPSO:

from 1/2" to 2":
Cod. **SPBK1-1RV**: **20** ÷ **120**mbar **(Black)**
Cod. **SPG1-1RV**: **100** ÷ **450**mbar **(Green)**
Cod. **SPBR1-1RV: 200** ÷ **700**mbar (**Brown)**

from DN65 to DN100:
Cod. **SPBK1** / **SPBK2-O: 150** ÷ **250**mbar **(Black)**
Cod. **SPG2-O: 300** ÷ **500**mbar **(Green)**

DESCRIPTION

The **Slam shut off valves** were designed for installation in any industrial gas system.
The purpose of these valves is to block any excess gas flow and protect the entire system.
When the gas flow pressure exceeds the calibration pressure the valve closes automatically and makes the plant safe.
After the problem has been resolved rearm the valve. All the slam shut off valves are rearmed manually.

MARKINGS

The **Slam shut off valves** all have a data plate with the main technical specifications of the particular model (Fig.1):

SV050-6B-OPSO
CE 0497

UNI EN 88/2	Body: 2"
Pe max: 6 bar	Class: A
Pd: 100 ÷ 450mbar	Group : 2
T. amb.: -20 +60°C	
S/N 162137001	

Fig.1

INSTALLATION

This component must be installed in accordance with current laws. Before commencing installation make sure that the gas has been shut off.
The slam shut off valves must be installed in a horizontal position with a maximum angle of 90° and with the arrow printed on the body facing the user.

Read the instruction leaflet carefully before use.

If the slam shut off valves are installed following all the indications in the following document they do not represent a source of danger.
Only in certain failure conditions can the slam shut off valves release flammable substances into the environment. If the valves are installed in a poorly ventilated environment we recommend removing the **protective cap** and connecting a small pipe with a M10X1 connection. Position the other end of the pipe outside the room. In this case the escaping gas will be expelled outside.

Before installation, check that the network pressure is not higher than maximum pressure that the slam shut off valve can withstand.

The slam shut off valves must be installed upstream from the **pressure regulator** (Fig.1).
The arrow printed on the body of the slam shut off valve must always be positioned facing the user.

Connect the **impulse line inlet** (Fig.1) of the **slam shut off valve** with a copper tube using a G 1/8” connection which must then be connected to the piping downstream of the **pressure regulator** (**Stabilisers**) as shown in figure 1.

Make sure that no shavings or waste have been left inside the network pipeline. Carefully check the connections made and test the seal of the system.

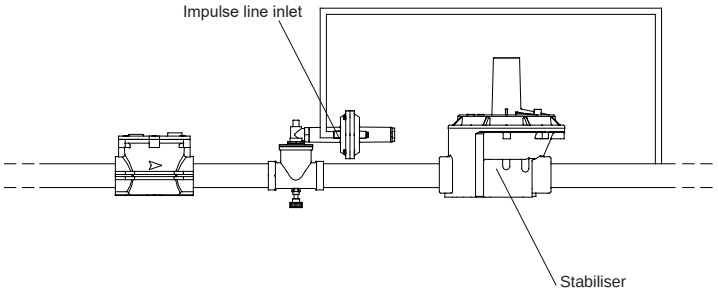


Fig.1

PRESSURE CALIBRATION

Unscrew the **regulation cap** (1) to access the **spring presser** (2) Fig.2.
The outlet pressure is regulated by rotating the **spring presser**.
Using a 10mm Allen key turn the **spring presser** clockwise to increase the pressure and anti-clockwise to reduce the pressure.
After completing the regulation screw back the **regulation cap**.

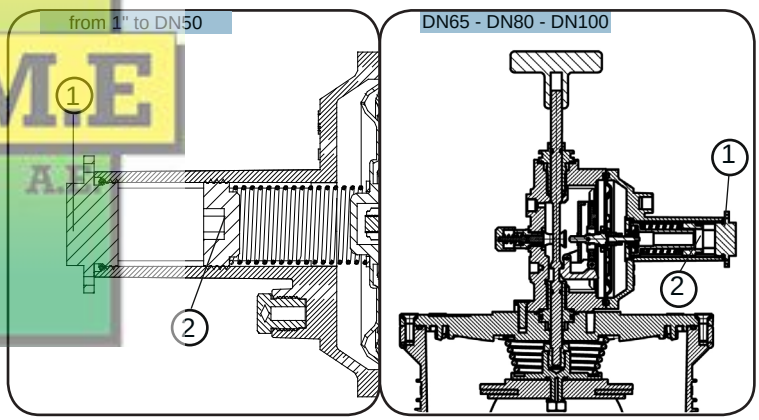


Fig.2

MANUAL RESET

Make sure the flow downstream from the valve has been closed.
For flanged models (DN65, DN80, DN100) (Fig.3b) keep the "Release / Reset button" pressed, pull "Reset knob", release the button and then release the "Reset knob". To close the valve, press firmly on the "Release / Reset button".

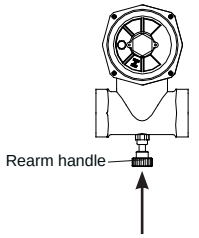


Fig.3a

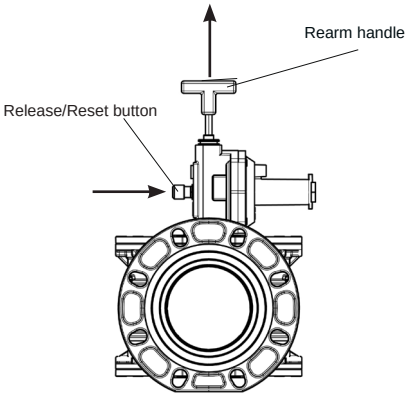


Fig.3b

MAINTENANCE

We recommend checking the action of the valve regularly. Should the need arise make sure that there is no pressurised gas inside the valve before doing any work on it. **All maintenance work must be done by qualified personnel.**

1-Body
2-Cap
3-O-ring
4-Screws
5-Self-locking
6-Spring
7-Rearm handle
8-Release/Reset button
9-Piston
10-O-Ring

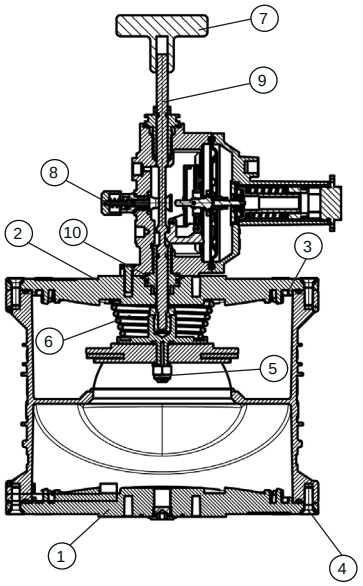
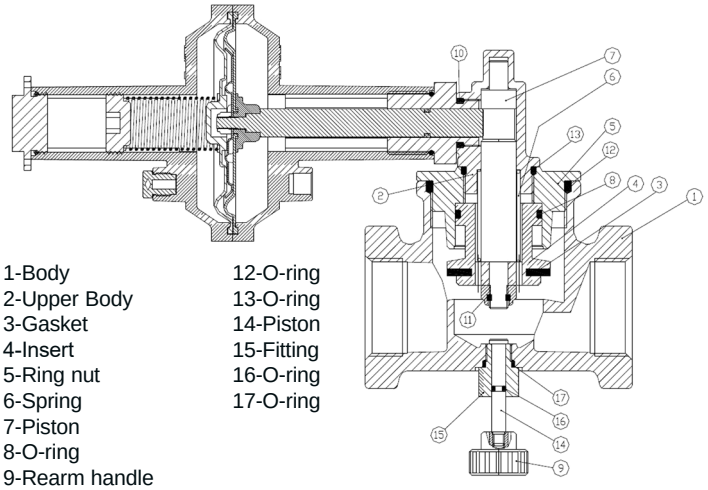
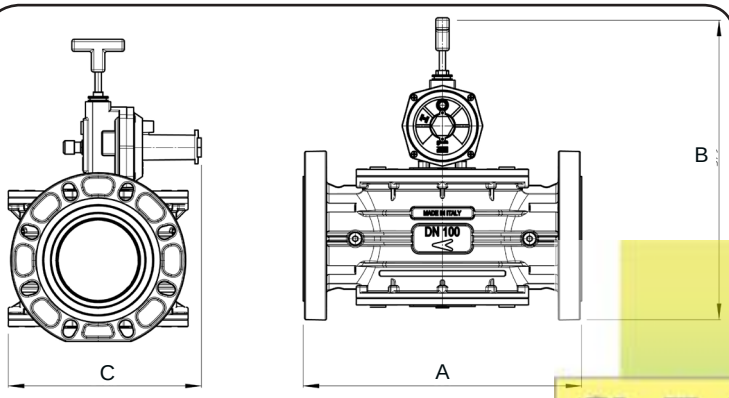


Fig.4

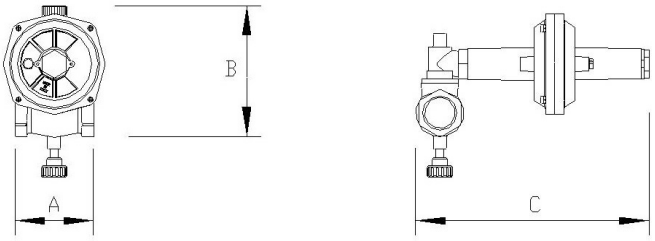


1-Body
2-Upper Body
3-Gasket
4-Insert
5-Ring nut
6-Spring
7-Piston
8-O-ring
9-Rearm handle
10-O-ring
11-Self-locking nut
12-O-ring
13-O-ring
14-Piston
15-Fitting
16-O-ring
17-O-ring

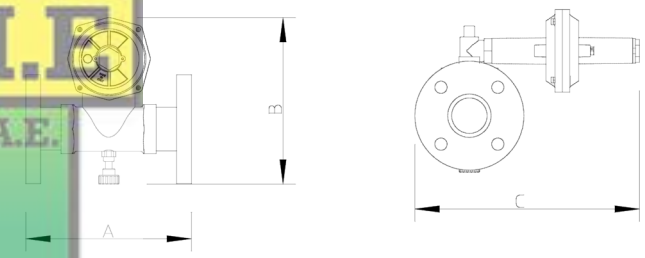
Fig.5



MODEL	A(mm)	B (mm)	C (mm)
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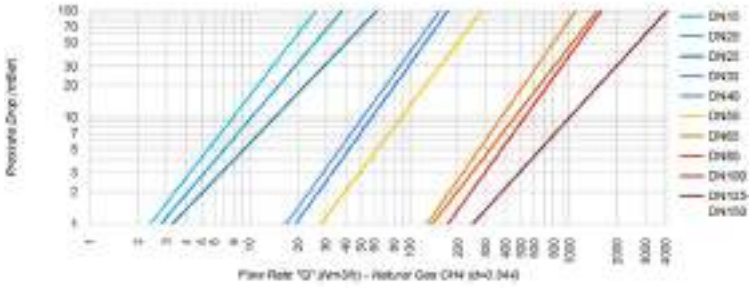
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SVD50-6B-OPSO	245,5	215,0	285,0

S.I.M.E. A.E.

PRESSURE DROP



TECHNICAL SPECIFICATIONS

Max. working pressure:	6bar
OPSO from 1/2" to 2":	
	Cod. **SPBK1-1RV**: **20** ÷ **120**mbar **Black**
	Cod. **SPG1-1RV**: **100** ÷ **450**mbar **Green**
	Cod. **SPBR1-1RV: 200** ÷ **700**mbar **Brown**
OPSO from DN65 to DN100:	
	Cod. **SPBK1** / **SPBK2-O: 150** ÷ **250**mbar **Black**
	Cod. **SPG2-O: 300** ÷ **500**mbar **Green**
Working temp.:	-20°C +60°C
Class:	A
Group:	2
Closure time:	<1 sec.
Protection level:	IP65.
Combustible gases:	Non aggressive gases family 2.
Materials in contact with the gas:	die cast aluminium, steel and membrane in NBR. certificate DVGW EN 549.
Conformity:	Conforming to directive 2014/68/UE (PED Directive).
Connections:	Threaded (1", 1"1/4, 1"1/2, 2") EN 10226.
Valve body:	Flanged PN10 (DN32, DN40, DN50).
Certificate:	Die cast aluminium Gd - AlSi12Cu-EN AB 46100.

CE

dis.8034086C Cod.2.710.2930 MADE IN ITALY

MADE IN ITALY

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