

**ETNA**  
INDUSTRIE**SAFETY VALVES CE / 0 - 350 BAR****SAFETY VALVES CE:**

Type «SOC»:

**Pressure range: 0.15 to 40 bar**  
**Inlet G1", Outlet G3/4"**

Type «SOD»:

**Pressure range: 0.2 to 100 bar**  
**Inlet G3/4", Outlet G1/2"**

Type «SOE»:

**Pressure range: 0.5 to 100 bar**  
**Inlet G3/8", Outlet G1/4"**

Type «SOF»:

**Pressure range: 0.1 to 60 bar**  
**Inlet G1/2", Outlet libre or G1/8"**

Gamme «SPE &amp; SPEF» :

**Pressure range: 20 to 350 bar**  
**Inlet G1/4" or G3/8", Outlet G1/4" or G3/8"**

# ETNA

INDUSTRIE

## SAFETY VALVES TYPE SOC

### DESCRIPTION

- Indirect action technology ensuring:
- absolute tightness in closed position
  - high accuracy of cracking pressure
  - excellent dynamic response
  - no vibration
  - no back pressure influence

### MATERIALS

Parts in contact with fluid: aluminium and stainless steel.  
Other parts: aluminium, protected steel and stainless steel.  
Diaphragm and disc are determined according to fluid, pressure and operating temperature range for a maximal life duration.

### CHARACTERISTICS

Pressure range (bar):	0,15 - 40
Temperature range (°C):	-30 à +120
Jet size (mm):	Ø17
Max. flow rate (air):	3615 Nm <sup>3</sup> /h
Connections:	Inlet : G1" Outlet : G3/4"
Certification:	PED97/23 CE
Detection system:	Diaphragm
Reseating pressure	90% of the opening pressure.

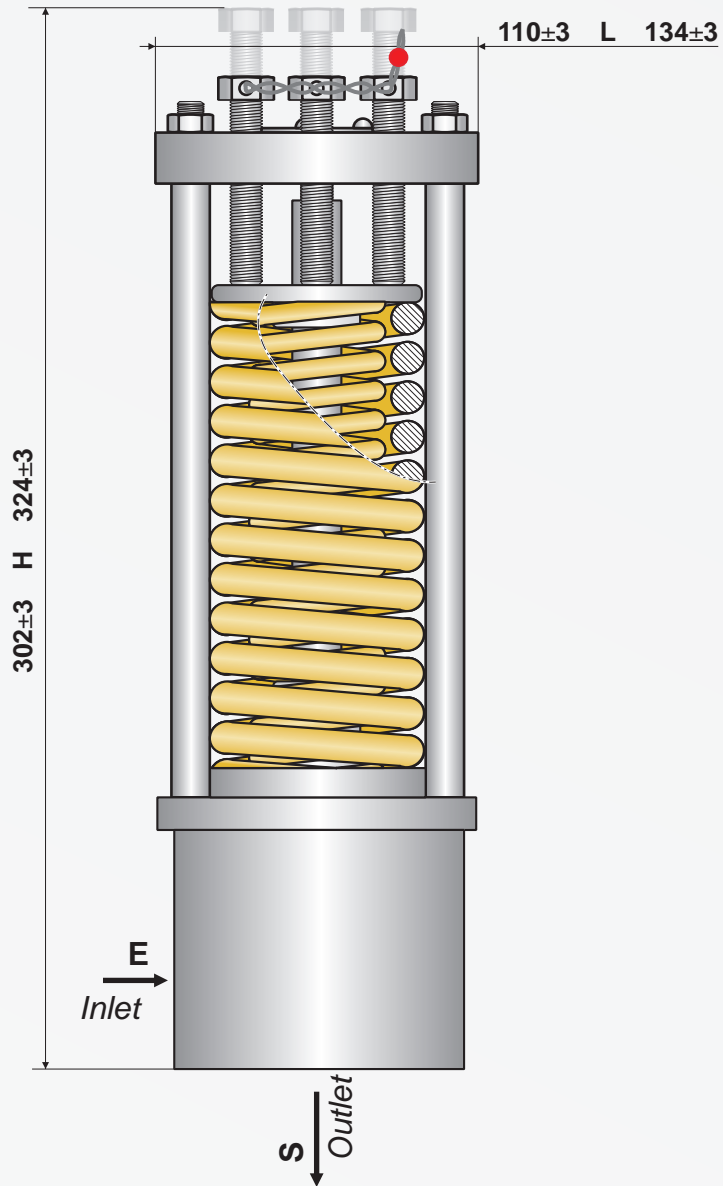
Ref.	P. setting bar	Max. flow Nm <sup>3</sup> /h	T °C	Mat.	Group Fluids
<u>Equipped with cover</u>					
7150/7544	15,1-40	3615	-20/120	alu/stainless	GP2
7249/7625	0,15-15	1410	-20/120	alu/stainless	GP1
7250/7644	15,1-40	3615	-20/120	alu/stainless	GP1
<u>Without cover</u>					
7159/7519	0,15-15	1410	-20/120	alu/stainless	GP2
7171 <sup>#</sup> /7521 <sup>#</sup>	15,1-40	3000	-20/120	alu/stainless	GP2
7155/7520	15,1-40	3615	-20/120	alu/stainless	GP2
7149/7525	0,15-15	1410	-20/120	alu/stainless	GP2
7255/7620	15,1-40	3615	-20/120	alu/stainless	GP1
7259/7619	0,15-15	1410	-20/120	alu/stainless	GP1

GP1 : Dangerous fluids group  
GP2 : Non dangerous fluids group } According to PED97/23 CE

### OPTIONS

- (\*): All parts in stainless steel.  
(#): With lever.

# SOC range arrangement



# ETNA

INDUSTRIE

## SAFETY VALVES TYPE SOD



### DESCRIPTION

Indirect action technology ensuring :

- absolute tightness in closed position
- high accuracy of cracking pressure
- excellent dynamic response
- no vibration
- no back pressure influence

### MATERIALS

Parts in contact with fluid : aluminium and stainless steel.  
Other parts: aluminium, protected steel and stainless steel.  
Diaphragm and disc are determined according to fluid, pressure and operating temperature range for a maximal life duration.

### CHARACTERISTICS

Pressure range (bar): 0,2 - 100  
 Temperature range (°C): -30 à +120  
 Jet size (mm): Ø10  
 Max. flow rate (air): 3080 Nm<sup>3</sup>/h  
 Connections: Inlet: G3/4"  
 Outlet: G1/2"  
 Certification: PED97/23 CE  
 Detection system: Diaphragm  
 Reseating pressure 90% of the opening pressure.

Réf.	P. setting bar	Max. flow Nm <sup>3</sup> /h	T °C	Mat.	Group Fluids
<u>Equipped with cover</u>					
7156/7526	0,2-15	485	-20/120	alu/stainless	GP2
7158/7548	11-54	1675	-20/120	alu/stainless	GP2
7161/7550	46-100	3080	-20/120	alu/stainless	GP2
7174 <sup>#</sup> /7514 <sup>#</sup>	3-54	1675	-20/120	alu/stainless	GP2
7256/7626	0,2-15	485	-20/120	alu/stainless	GP1
7258/7648	11-54	1675	-20/120	alu/stainless	GP1
7261/7650	46-100	3080	-20/120	alu/stainless	GP1
<u>Without cover</u>					
7151/7512	11-54	1675	-20/120	alu/stainless	GP2
7152/7515	0,2-15	485	-20/120	alu/stainless	GP2
7153/7504	46-100	3080	-20/120	alu/stainless	GP2
7251/7612	11-54	1675	-20/120	alu/stainless	GP1
7252/7615	0,2-15	485	-20/120	alu/stainless	GP1
7253/7604	46-100	3080	-20/120	alu/stainless	GP1
7274 <sup>#</sup> /7614 <sup>#</sup>	3-54	1675	-20/120	alu/stainless	GP1

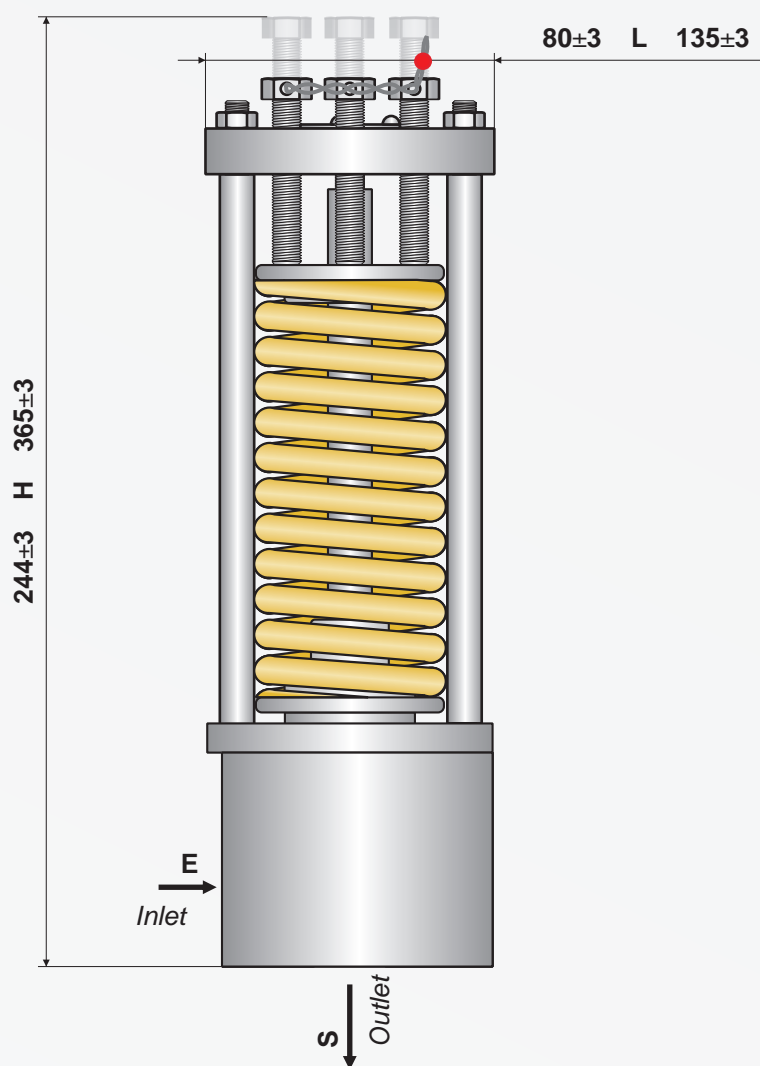
GP1: Dangerous fluids group

GP2: Non dangerous fluids group ] According to PED97/23 CE

### OPTIONS

(\*): All parts in stainless steel.  
 (#): With lever.

# SOD range arrangement



# ETNA

INDUSTRIE

## SAFETY VALVES TYPE SOE

### DESCRIPTION

- Indirect action technology ensuring:
- absolute tightness in closed position
  - high accuracy of cracking pressure
  - excellent dynamic response
  - no vibration
  - no back pressure influence

### MATERIALS

Parts in contact with fluids: aluminium and stainless steel.  
Other parts: aluminium, protected steel and stainless steel.  
Diaphragm and disc are determined according to fluid, pressure and operating temperature range for a maximal life duration.

### CHARACTERISTICS

Pressure range (bar):	0,5 - 100
Temperature range (°C):	-30 à +120
Jet size (mm):	Ø5
Max. flow rate (air):	770 Nm <sup>3</sup> /h
Connections:	Inlet : G3/8" Outlet : G1/4"
Certification:	PED97/23 CE
Detection system:	Diaphragm
Reseating pressure	90% of the opening pressure.

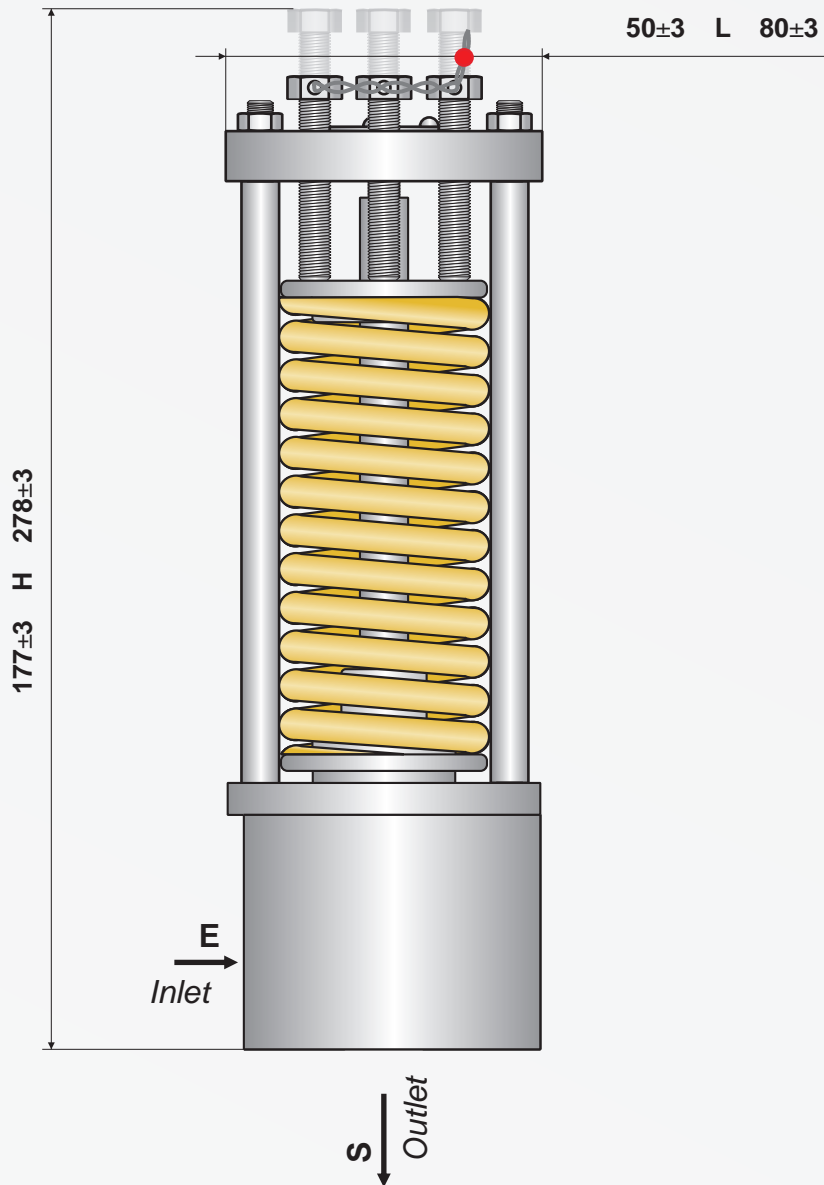
Réf.	P. setting bar	Max. flow Nm <sup>3</sup> /h	T °C	Mat.	Group Fluids
<u>Equipped with cover</u>					
7154/7546	16-100	770	-20/120	alu/stainless	GP2
7157/7527	0,5-17,3	139	-20/120	alu/stainless	GP2
7257/7627	0,5-17,3	139	-20/120	alu/stainless	GP1
7254/7646	16-100	770	-20/120	alu/stainless	GP1
<u>Without cover</u>					
7147/7517	16-100	770	-20/120	alu/stainless	GP2
7148/7516	0,5-17,3	139	-20/120	alu/stainless	GP2
7172 <sup>#</sup> /7518 <sup>#</sup>	16-100	770	-20/120	alu/stainless	GP2
7247/7617	16-100	770	-20/120	alu/stainless	GP1
7248/7616	0,5-17,3	139	-20/120	alu/stainless	GP1
7272 <sup>#</sup> /7618 <sup>#</sup>	16-100	770	-20/120	alu/stainless	GP1

GP1 : Dangerous fluids group  
GP2 : Non dangereux fluids group ] According to PED97/23 CE

### OPTIONS

- (\*): All parts in stainless steel.  
(#): With lever.

# SOE range arrangement





**ETNA**  
INDUSTRIE

## SAFETY VALVES TYPE SOF



### DESCRIPTION

Indirect action technology ensuring:

- absolute tightness in closed position
- high accuracy of cracking pressure
- excellent dynamic response
- no vibration
- no back pressure influence

### MATERIALS

Parts in contact with fluid: brass.  
Other parts : brass and protected steel.  
Diaphragm and disc are determined according to fluid, pressure and operating temperature range for a maximal life duration.

### CHARACTERISTICS

Pressure range (*bar*): 0,1 - 60  
 Temperature range (°C): -20 à +120  
 Jet size (*mm*): Ø3,1  
 Max. flow rate (*air*): 300 Nm<sup>3</sup>/h  
 Connections: Inlet: G1/2"  
 Outlet: free exhaust  
 Certification: PED97/23 CE - Category IV  
 Detection system: Diaphragm  
 Reseating pressure 90% of the opening pressure.

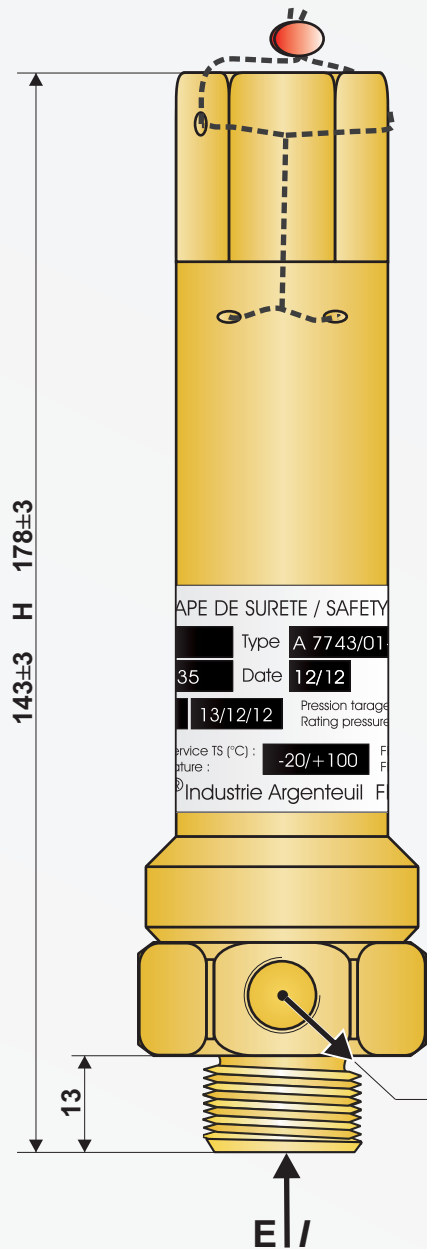
Réf.	P. setting <i>bar</i>	Max. flow <i>Nm<sup>3</sup>/h</i>	T °C	Mat.	Connection
7143	0,1 - 44	132	-20/120	brass	1/2"
7144	0,1 - 44	132	-20/120	brass	1/2"
7145	44 - 60	178	-20/120	brass	1/2"
7146	0,1 - 60	296	-20/120	brass	1/2"

### OPTIONS

G1/8" outlet piping.  
With lever.



# SOF range arrangement



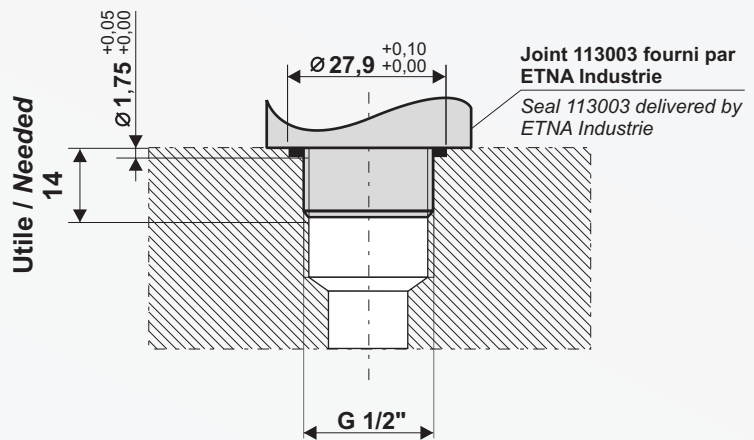
## Raccordements / Connections

**E / I** = G 1/2"  
 Longueur fileté / Thread length : 13 mm

**S / O** = Echappement libre  
 ou/or Option G 1/8"

	34
	35 ±15%

## Implantation



# ETNA

INDUSTRIE

## SAFETY VALVE TYPES SPE & SPF

### DESCRIPTION

- Indirect action technology ensuring:
- absolute tightness in closed position
  - high accuracy of cracking pressure
  - excellent dynamic response
  - no vibration
  - no back pressure influence

### MATERIALS

Parts in contact with fluid: brass.  
Other parts: brass and protected steel.  
Disc is determined according to fluid, pressure and operating temperature range for maximal life duration.

### CHARACTERISTICS

Pressure range (bar): 20 - 350  
Temperature range (°C): -30 à +120  
Jet size (mm): Ø1,2 / Ø4  
Max. flow rate (air): 1665 Nm<sup>3</sup>/h  
Connections: Inlet : G1/4" / G3/8"  
Outlet : G1/4" / G3/8"  
Detection system: Piston  
Reseating pressure 90% of the opening pressure.

Réf.	P. setting bar	Max. flow Nm <sup>3</sup> /h	T °C	Mat.	Group Fluids
<u>Equiped with cover</u>					
7164	100-350	154	-30/120	brass	GP2
7167	20-340	1665	-30/120	brass	GP2
<u>Without cover</u>					
7163	100-350	154	-30/120	brass	GP2
7166	20-340	1665	-30/120	brass	GP2

GP1 : Dangerous fluids group

GP2 : Non dangerous fluids group



# SPE & SPF range arrangement

