



SP 91
Flange connection acc. to DIN EN 1092



Overflow valve / Bypass valve
Flanges / Standard pressure
Ductile cast iron

Overflow valves of this series are diaphragm-controlled and spring-loaded.

Media

The overflow valves are suitable for use with water and neutral, non-sticky liquids, but can also be used for air and neutral gases.

DGRL 2014/68/EU **CE**

Custom tariff number

84814010



Features

- pressure-reliefed single seated valve
- diaphragm-controlled
- continuously adjustable pressure setting
- max. inlet pressure up to 16 bar
- setting range: 0,5 - 10 bar
- internal parts exchangeable

Pressures



max. 16 bar

Connections



Flange connection
acc. to DIN EN 1092 PN 16 (DN 65 - DN 100)



Temperatures

Seals and wetted internal parts allow a max. temperature of up to 200 °C.



up to +200 °C

Seals and temperatures

NBR	up to +100 °C
EPDM	up to +140 °C
FKM	up to +200 °C

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	cast iron EN-JS1030	steel	NBR EPDM FKM	stainless steel V4A	200 °C



Technical data

nominal size	65	80	100
PN		16	

Pressures

max. 16 bar

0,5 - 10 bar



max. inlet pressure [bar]

SP 91	16
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setting range [bar]

SP 91	0,5 - 1,0
	1,0 - 1,6
	1,6 - 2,5
	2,5 - 4,0
	4,0 - 6,3
	6,3 - 10,0

Connections

Flange connection
(DN 65 - DN 100)



dimensions [mm]

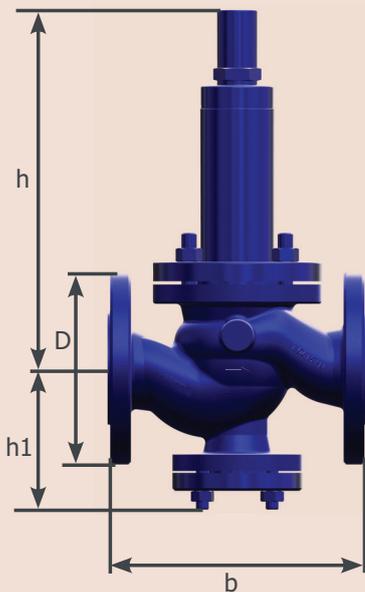
	DN	65	80	100
	b	290	310	350
SP 91	D	185	200	220
	h1	155	190	200
	h	360	495	495

weight [kg]

SP 91	30,5	45,8	58
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kvs-value [m³/h]

SP 91	15	23	36
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Article number

nominal size	65	80	100
SP 91	019108	019109	019110

Options

C C - connections

54 -	Flansche DIN EN 1092 PN 16	standard
61-	ANSI B16.5 RF	class 150 lbs

M - material wetted parts

3 -	V4A	standard
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E - elastomers

1 -	NBR
2 -	EPDM
3 -	FKM

B - setting range

A -	0,5 - 1,0 bar
B -	1,0 - 1,6 bar
C -	1,6 - 2,5 bar
D -	2,5 - 4,0 bar
E -	4,0 - 6,3 bar
F -	6,3 - 10,0 bar

Configuration example of an item number with additional options

pressure setting: 5 bar
seals: EPDM

connection: DN 80 DIN EN 1092 PN 16
temperature: 30 °C

art.no. standard version						-	A	A	I	E	B
0	1	9	1	0	9	-	5	4	3	2	E