

# Pressure Relief Valve

Model #46



**UNIBLOC<sup>®</sup>-PUMP**

## APPLICATIONS

The newly engineered adjustable **#46 Pressure Relief Valve** is designed to be used in the pharmaceutical / biotech, food and beverage and chemical industries.

## DESIGN

The new **#46 Pressure Relief Valve** is **sanitary-designed** to allow the user to easily adjust pressure settings without removing the valve from the process line. An adjustment locking mechanism and stainless cap are provided for protection against accidental adjustments and for a clean and aesthetic appearance. An O-ring is positively sandwiched between the two disc members and **will not** come loose due to the velocity of liquid or accidental bumping or sticking. The **Flowtight™ design** has been proven to seal over years. Valves can be adjusted from 15 psig up to 105 psig without use of special tools. The valve body and spring chamber are connected by sanitary Tri-Clamp connection for easy disassembly without removal from the process line for service. An **added feature** is the **external stem lifter**, allowing for opening of the valve for cleaning and removal of the entire top half while still installed.

## MATERIALS

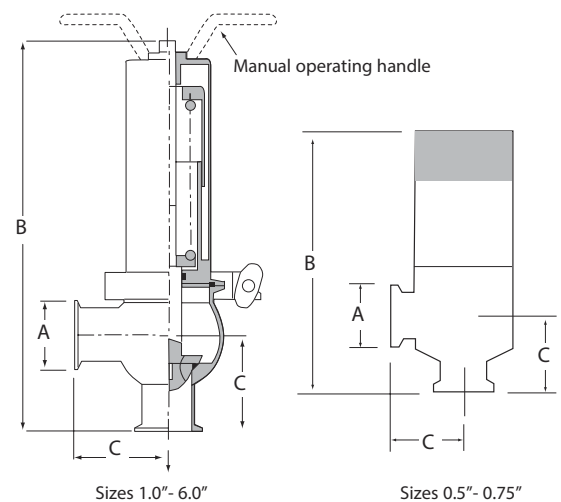
All wetted **#46** valve parts are in **316L** stainless material. O-ring elastomers available in EPDM, Viton or PTFE encapsulated Viton.

## OPTIONAL

- 200 psig springs available on select sizes
- Polish up to 15 Ra (0.4 micron,  $\mu\text{m}$ ) and / or **electropolishing**
- **Hastelloy-C** material
- Elastomers of **USP Class VI** material
- Air to Air (A-A) or Air to Spring (A-S) air-override available on 1.5" & 2.0" sizes
- ANSI or DIN flanged connections
- Material test report available

STD pressure range	10-105 psig
Optional	up to 200 psig down to 5 psig
STD max system pressure	200 psig
STD inside finish	32 Ra (0.8 micron, mm)
STD o-ring material	EPDM

A size	B		C		Weight	
	mm	in	mm	in	kg	lbs
0.5"	104	4.1	30	1.2	1	1.2
0.75"	104	4.1	30	1.2	1	1.2
1.0"	285	11.2	70	2.8	3	6.0
1.5"	285	11.2	70	2.8	4	7.0
2.0"	335	13.2	89	3.5	5	10.5
2.5"	335	13.2	89	3.5	6	12.0
3.0"	414	16.3	159	6.3	10	22.0
4.0"	434	17.1	159	6.3	13	29.0
6.0"	770	30.3	138	5.4	78	170.0



\* 1cps (water at ambient temp)  
Technical changes without notice



**UNIBLOC-PUMP**  
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