

RD

Overload Protector (Gauge Saver)
All stainless steel



Special Features

- Nominal pressure up to 400 kg/cm²
- 7 different adjustable ranges
- Over pressure up to 600 kg/cm²
- Bellow type & piston type models

Application

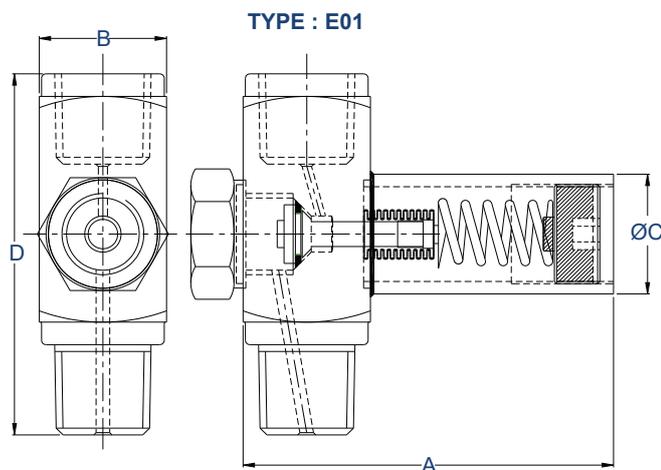
- Designed to protect pressure instruments from over pressure exceeding the specified pressure range by sudden & excessive pressure fluctuation from surge or spike.
- This device blocks the higher pressure exceeding the allowed value, until it comes back to normal, when system pressure becomes normal.
- Hence this device safeguards the pressure instruments, gauges, switches or transmitters by blocking extra high pressure.
- Widely used in mechanical engineering and plant construction, power stations, mining, environmental technology, chemical and petrochemical, on shore & off shore.

Specifications

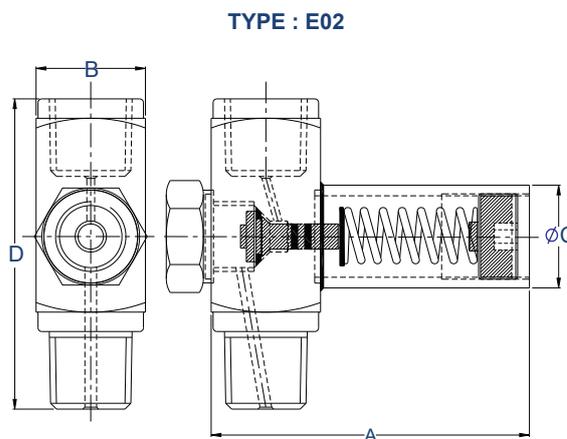
Standard Version

Overload Protector Type	:	E01: Bellow Type
	:	E02: Piston Type
Adjustable Range	:	E01: 0.6 kg/cm ² to 2.5 kg/cm ²
	:	E02: 4 kg/cm ² to 400 kg/cm ²
'O' Ring	:	Viton
Maximum Working pressure	:	600 kg/cm ²
Operating Temperature	:	-20°C to 120°C
Material of construction	:	AISI 316 SS

Dimensions - Standard Version



	B	ØC	D	Weight in gram (With Box)	
	89	28 Sq.	26.5	80	500



	A	B	ØC	D	Weight in gram (With Box)
	89	28 Sq.	26.5	80	490

Notes : • Drawings are not to scale. • All Dimensions are in mm.



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How To Order				Example																									
Basic Model				RD																									
Code																													
Adjustable range																													
Note: Please specify required pressure range or adjustable pressure range while ordering. Otherwise the protector will be set to first value of adjustable range table.																													
<table border="1"> <thead> <tr> <th>Type</th> <th colspan="2">Adjustable Range (kg/cm² or bar)</th> </tr> </thead> <tbody> <tr> <td>Bellow (E01)</td> <td colspan="2">0.6 to 2.5</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">4 to 6</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">7 to 16</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">10 to 40</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">30 to 80</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">60 to 160</td> </tr> <tr> <td>Piston (E02)</td> <td colspan="2">100 to 400</td> </tr> </tbody> </table>					Type	Adjustable Range (kg/cm ² or bar)		Bellow (E01)	0.6 to 2.5		Piston (E02)	4 to 6		Piston (E02)	7 to 16		Piston (E02)	10 to 40		Piston (E02)	30 to 80		Piston (E02)	60 to 160		Piston (E02)	100 to 400		XXX OR XXX XXX
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Body																													
CL	AISI 316 SS (Standard)	CN	Monel	HA	Hastelloy C	XX																							
Process Connection																													
2BM.2BF	1/4" BSP (M x F)	3BM.3BF	3/8" BSP (M x F)	4BM.4BF	1/2" BSP (M x F) (Standard)	XXX.XXX																							
2NM.2NF	1/4" NPT (M x F)	3NM.3NF	3/8" NPT (M x F)	4NM.4NF	1/2" NPT (M x F) (Standard)																								
4MM.4MF	M20 x 1.5 (M x F)																												
Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.																													
Options																													
GH	Material test certificates**	SG	Oxygen service*	TF	Conformity as per NACE Standard	XX																							

* Applicable for Stainless Steel version.

** Material test certificates will be provided for wetted parts only with chemical composition testing. For others, Please consult factory.

Ordering Example: RD . XXX OR XXX.XXX . XX . XXX.XXX . XX

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.