

## 3" MEGA SUPERVENTIX™ HIGH FLOW

Series MG80 Safety relief valve

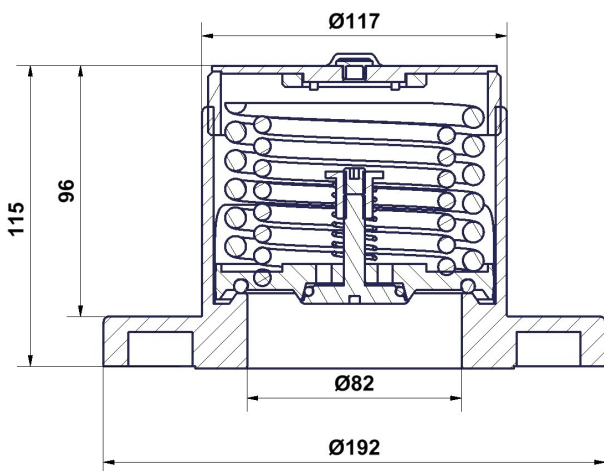
The Perolo 3" MEGA SUPERVENTIX™ safety relief valve is designed to protect tanks against accidental overpressure or excessive vacuum.

This product has a very high flow performance, even much more than the standard 3" Mega.

Made of 316L/1.4404 stainless steel, the 3" MEGA SUPERVENTIX™ High Flow is applicable to tank containers, IBC's, rail tank cars, road tankers and static tanks dedicated to transporting or storing chemicals and liquid foodstuff.



### Specifications



- Nominal diameter: 82mm (3")
- Maximum weight : 5.2 kg
- Standard Pressure settings: 3.30, 3.75, 4.40, 7.3Bar.
- Standard vacuum settings: -0.21 bar

*Other Pressure & vacuum settings available on request*

- Certified Flow rate
- Working temperature: -40°C +190°C

### Features

- Full 316L/1,4404 stainless steel construction
- Supplied with/without vacuum
- FEP seals
- High flow rates performance

### Approval & Certifications

- Comply with IMDG 2008 & ADR2009
- Certified and approved by Lloyd's Register

### Options

- Flame proof gauze
- Vacuum test button



### Accessories

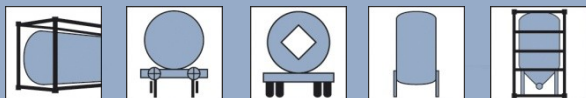
- Weld in flange. Part# 12 92 03 00 00
- Recess flange. Part# 11 90 63 00 00
- Bursting disc
- Gasket. Part# 12 92 04 00 00
- Pressure gauge. Part# 70 18 06 00 95



### Flow rate

| Set Pressure |        |       | Measured flow rate at 120 % without gauze |       | Certified flow rate with the federal Register coefficient 90% without gauze |       |
|--------------|--------|-------|---|-------|---|-------|
| Bar          | KPa    | PSIG  | Sm³/s                                     | Scfm  | Sm³/s   | Scfm  |
| +/- 0.14     | +/- 14 | +/- 2 |   |       |   |       |
| 2,18         | 218    | 31,6  | 3,2                                       | 6789  | 2,88  | 6110  |
| 3,3          | 330    | 47,8  | 4,59                                      | 9725  | 4,13  | 8752  |
| 3,75         | 375    | 54,4  | 5,09                                      | 10785 | 4,58  | 9707  |
| 4,4          | 440    | 63,8  | 5,87                                      | 12438 | 5,28  | 11194 |

- Flow conditions: pressure 101.3 kPa at 15°C



### Codification

#### 1. Base code of your Mega-SUPERVENTIX™

MG80

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#### 2. Body Drilling

- DN65 PN10 (4 x Ø18 on a PCD 145)
- DN65 PN10 + ¼ BSP connection
- 3" ASA 150 (4 x Ø18 on a PCD 152,4)
- 3" ASA 150 + ¼ BSP Connection
- Other on request*

B  
C  
D  
E



#### 3. Set Pressure

- 3.75 Bar
- 4.40 Bar
- 7.30 Bar
- Other on request*

37  
44  
73



#### 4. Seal type pressure/vacuum

- FEP

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#### 5. Vacuum (Optional)

- 0.21 Bar
- 0.05 Bar
- Other on request*

21  
05



#### 6. Flame proof gauze

- With
- Without

G  
S



#### 7. Vacuum test button (Optional)

B



#### Final code of your Mega-SUPERVENTIX

MG80

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#### STANDARD PART#

MG80

B

73

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G

For any specific requests, please feel free to contact our sales department at [sales@perolo.com](mailto:sales@perolo.com)