

**Weyn-Lauwers** N.V.

Industriepark-Noord 12  
B - 9100 SINT-NIKLAAS

Tel. : 00 32 (0)3 776.34.13  
Fax : 00 32 (0)3 778.09.52  
weynlauwers@weynlauwers.be  
www.weynlauwers.be

# VACUUM BREAKER model 1100 technical data sheet

## Description

|                   |                                     |
|-------------------|-------------------------------------|
| Type              | Pressure & Vacuum relief valve      |
| Connections       | Flanges EN PN-10 or ANSI 150# RF    |
| Rating            | PN-10                               |
| Material          | Al / carbon steel / Stainless steel |
| Temperature range | -10 to +260°C                       |

## Requirements

|             |  |
|-------------|--|
| Calculation | TOSACA 1100                                  |
| Design      | EN-12516-1, EN-1092-1<br>DIN 259 & ANSI B2.1 |
| Materials   | ASTM / EN                                    |
| Inspection  | EN-4126-1 / 7                                |

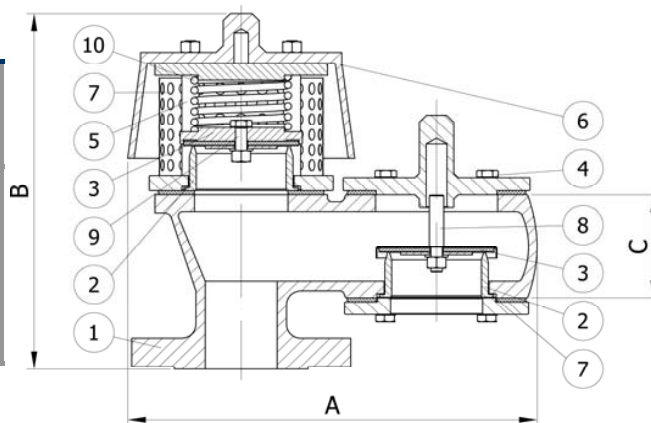
## Construction and materials

| Item | Description   | Descripción       | Material<br>Aluminium | Material<br>Carbon steel | Material<br>Stainless steel |
|------|---------------|-------------------|-----------------------|--------------------------|-----------------------------|
| 1    | Body          | Cuerpo            | Aluminium alloy LM 6  | ASTM A 216 Gr WCB        | ASTM A 351 Gr CF 8          |
| 2    | Seat          | Tobera            | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 316               |
| 3    | Disc          | Obturador         | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 316               |
| 4    | Bolts nuts    | Tuercas           | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 304               |
| 5    | Studs         | Columnas          | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 304               |
| 6    | Weather hood  | Protector presión | Aluminium             | Aluminium                | Aluminium                   |
| 7    | Wire mesh     | Regulla vacío     | Perforated sheet      | Perforated sheet         | Perforated sheet            |
| 8    | Vacuum stem   | Espiga vacío      | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 304               |
| 9    | Pressure stem | Espiga presión    | S.S. AISI 304         | S.S. AISI 304            | S.S. AISI 304               |
| 10   | Spring        | Resorte           | Carbon steel          | Carbon steel             | S.S. AISI 302               |

○ Recommended spare parts

## Dimensions

| Flanges |      | A    | B    | C    | Weight |
|---------|------|------|------|------|--------|
| EN      | ANSI | (mm) | (mm) | (mm) | (Kg)   |
| 50      | 2"   | 290  | 270  | 100  | 8      |
| 80      | 3"   | 415  | 300  | 110  | 12     |
| 100     | 4"   | 455  | 320  | 115  | 25     |
| 150     | 6"   | 600  | 340  | 120  | 50     |
| 200     | 8"   | 715  | 460  | 180  | 60     |
| 250     | 10"  | 420  | 500  | 200  | 80     |



## Technical information

|                        |           |
|------------------------|-----------|
| Applications           | Air       |
| Min. Vacuum pressure   | -15 mbar  |
| Max. Vacuum pressure   | -750 mbar |
| Min. Set pressure      | 15 mbar   |
| Max. Set pressure      | 495 mbar  |
| Tolerance Set pressure | ± 3%      |



CE 1035