# Model 1216 FB
*Flanges x threaded*

TOSACA

## Description

| | |
|---|---|
| Type | Safety and Relief valve |
| Conections | ANSI: 150# RF or 300# RF |
| | Threaded BSP / NPT |
| Rating | PN-40 |
| Material | Stainless steel 316 L SS |
| Temperature range | -28 to +350ºC |

## Requirements

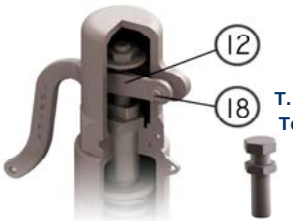
| | |
|---|---|
| Calculation | EN-4126-1 / 7 |
| Design | EN-12516-1, EN-4126-1 / 7 |
| | DIN 259, ANSI B2.1 and ANSI B16.5 |
| Materials | EN |
| Inspection | EN-4126-1 / 7 |

## Construction and materials

| Item | Description | Material |
|---|---|---|
| 1 | Nozzle | 316 L |
| 2 | Body | SA 351 CF-3M |
| 4 | Cap | SA 351 CF-8 |
| 5 ○ | Disc | 316 L SS |
| 6 | Guide | 316 L SS |
| 7 | Push Road | 316 L SS |
| 8 | Spring Button | 303 SS |
| 9 | Ajusting Screw | 303 SS |
| 10 | Look nut | 303 SS |
| 11 ○ | Spring | 302 SS |
| 12 | Lever | SA 351 CF-8 |
| 17 | Release nut | 316 L SS |
| 18 | Lever axis | 303 SS |
| 19 | Packing lever axis | 303 SS |
| 20 ○ | Gasket | PTFE |
| 21 ○ | Gasket | PTFE |
| 22 | Gasket | Viton |
| 28 ○ | O' ring disc | Viton / PTFE |
| | | |
| | | |
| | | |
| | | |

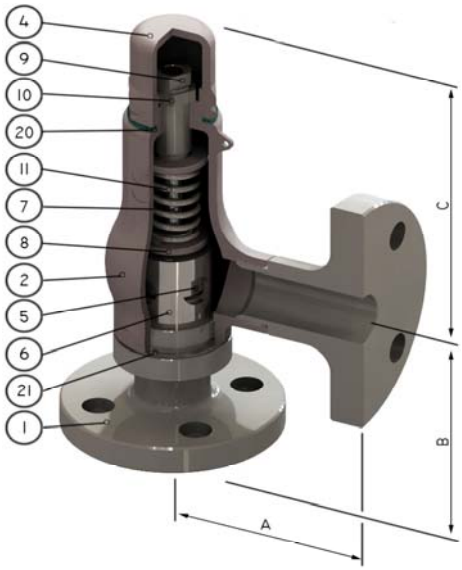
○ Recommended spare parts

Palanca manual
Lifting device

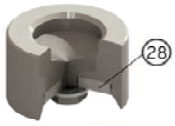



T. Prueba
Test gag

Palanca estanca
Sealed packing lever




Obturador o-ring
Disc o-ring




## Technical information

| | |
|---|---|
| Applications | Steam, gases, vapours and liquids |
| Min. Set pressure | 0,2 barg |
| Overpressure | 10% |
| Blowdown | Gases 10%, liquids 20% |
| Tolerance Set pressure | ± 3% |
| Discharge coefficients | k= 0,55 for gases |
| | k= 0,48 for liquids |

## Dimensions

| | | | | | | Outlet BSP | Outlet flanges | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Inlet | Outlet | | Orif. | Area | A | A | B | C | Weight |
| | 150# RF<br>300# RF | 150#<br>RF | BSP<br>NPT | (mm) | ($mm^2$) | (mm) | (mm) | (mm) | (mm) | (kg) |
| ANSI | 1/2" | 1/2" | 3/4" | 13 | 133 | 45 | 90 | 80 | 136 | 3 |
| | 1/2" | 1" | 1" | 13 | 133 | 45 | 90 | 80 | 136 | 3 |
| | 3/4" | 3/4" | 1" | 14 | 154 | 45 | 90 | 80 | 136 | 3,2 |
| | 3/4" | 1" | 1" | 14 | 154 | 45 | 90 | 80 | 136 | 3,2 |
| | 1" | 1" | 1" | 16 | 201 | 45 | 90 | 80 | 136 | 3,5 |
| EN | PN-16<br>PN-40 | PN16 | BSP<br>NPT | | | | | | | |
| | 15 | 15 | 3/4" | 13 | 133 | 45 | 90 | 80 | 136 | 3 |
| | 15 | 25 | 1" | 13 | 133 | 45 | 90 | 80 | 136 | 3 |
| | 20 | 20 | 1" | 14 | 154 | 45 | 90 | 80 | 136 | 3,2 |
| | 20 | 25 | 1" | 14 | 154 | 45 | 90 | 80 | 136 | 3,2 |
| | 25 | 25 | 1" | 16 | 201 | 45 | 90 | 80 | 136 | 3,5 |

E C A Empresa Registrada 185/ER/10/01 ISO 9001:2000
E C A Empresa Registrada 152/ER/AP/12/02 97/23/CE
CE 0830

94/9/EC ATEX 0163