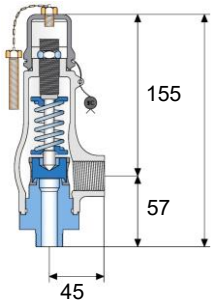
| | | | |
|---|---|---|---|
| GENERAL | 1 | ITEM | 2 |
| | 2 | Valve Tag Number | |
| | 3 | Number of units | 2 |
| | 4 | Valve Type: Conventional / Balanced | SAFETY AND RELIEF VALVE; Conventional |
| | 5 | Design type | Direct spring loaded; Full lift safety valve |
| | 6 | Manufacturer | TOSACA, SPAIN |
| TYPE | 7 | Model / Type number | 1216 |
| | 8 | Material Base | A351 CF3M |
| | 9 | Size | 1/2" x 3/4" PN-40 |
| | 10 | End connections | ANSI B2.1 NPT-M / NPT-F |
| | 11 | Orifice | 13 / 133,0 mm2 |
| | 12 | Bonnet: Closed / Open / vented | Closed |
| ACC | 13 | Lifting lever: Gastight / Plain / Packed | Gastight cap Cap: Screwed |
| | 14 | Test gag | No |
| | 15 | Bellows | No |
| | 16 | Others | No |
| MATERIAL | 17 | Body and Bonnet \| Bolts/ Nuts | A351 CF3M NA/ NA |
| | 18 | Nozzle | A351 CF3M |
| | 19 | Disc | SS AISI316L / Seat: Metal |
| | 20 | Guide | A351 CF3M |
| | 21 | Spring | Inconel X750 |
| | 22 | Bellows | - |
| BASIS OF SELECTION | 23 | Design Code | EN ISO 4126 |
| | 24 | Sizing basis | Blocked discharge |
| | 25 | Process fluid / State | ETANO / G |
| | 26 | Required capacity | No information |
| | 27 | Density | 1,28 kg/m3 at 20 ºC |
| | 28 | Operating Viscosity | cP |
| | 29 | Molecular weight, M | 30,07 g/mol Cp / Cv: 1,4 C: 2,7 |
| | 30 | Set pressure (tolerance set pressure: ± 3%) | 19,0 barg / 275,6 psig Temperature operation: 20º C / 68º F |
| | 31 | Work pressure | barg / psig |
| | 32 | Superimposed back pressure | 0 barg / 0,0 psig |
| | 33 | Built-up back pressure | 1,013 bar / 14,7 psi |
| | 34 | Total max. back pressure | 1,013 bar a / 14,7 psi |
| | 35 | % Allowable overpressure | 10 % |
| | 36 | Blow down | 10% |
| | 37 | Kdr Coefficient of discharge | 0,550 |
| | 38 | Kb Correction factor back pressure | 1 |
| | 39 | Z Compresibility factor | 1 |
| | 40 | Kr Viscosity correction | 1 |
| | 41 | Ksh Superheat correction factor | 1 |
| CALCUL | 42 | Calculate area *CRITICAL FLOW* | NO information required capacity |
| | 43 | Selected area | Diameter: 13 mm / 133,0 mm2 |
| | 44 | Flow capacity @ Selected area | 1.385,7 kg/h |
| | 45 | Calculated sound level 30 m according API 521 | 98 dB Noise at 1 meter 127 dB |
| | 46 | Reaction force | 89 Newton |
| OTHERS | 47 | Face to face dimension (H / V) | 45 mm / 57 mm Total Height: 212 mm |
| | 48 | Packing dimension / Weight | 26 cm x 13 cm x 16 cm / Total weight with packing: 2,2 kg |
| | 49 | Painting and protective coating / Color | No coating on stainless steel |
| | 50 | Marking | Stainless steel label, including TAG Number |
| | 51 | Material test certificate | EN 10204 3.1 |
| | 52 | Inspection | Pressure equipment directive 2014/68/EU |

Tosaca reference: 46201 02/09/2025 Revision: 0
Valve code: 1216-0,5x0,75NSS-40-M-00001-19,0G20
Offer reference No. CUÑADO, S.A.U. ZARAGOZA /




**Weight: 2 kg**