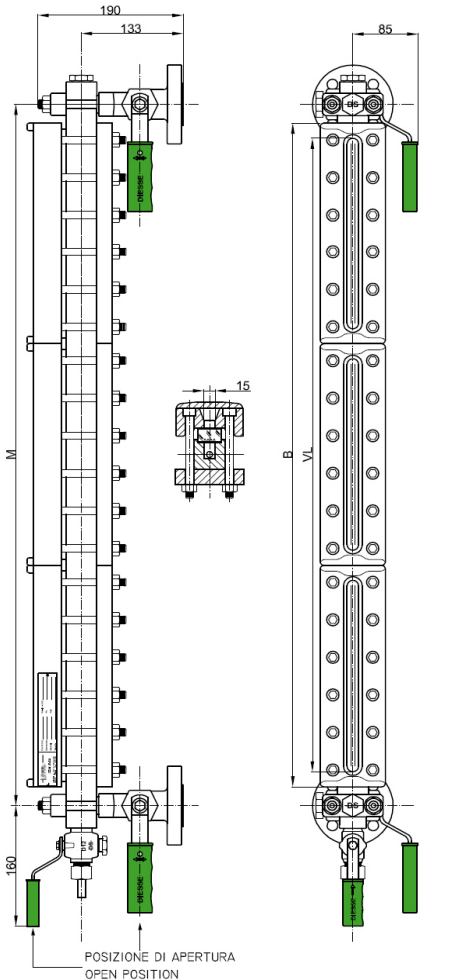
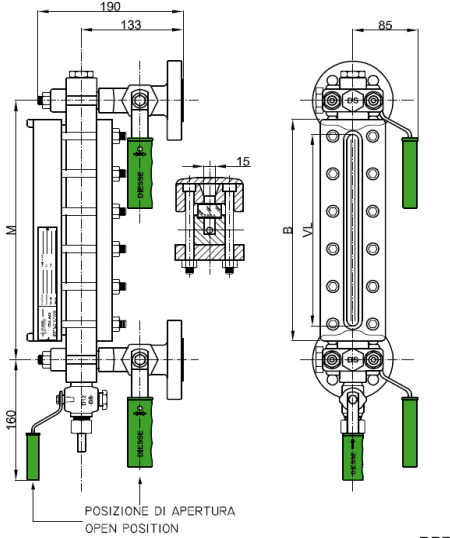


GLASS LEVEL GAUGE REFLEX TYPE PN100 and PN160 / Class 600 and 900 DS LG - RPF GR18

Code: DS LG-RPF... /100/RF-GR18/.../...-M...-CS/CS



Technical data

Service conditions

Max Pressure: PN100; Class 600 (A105: 102 bar @ 38°C; AISI 316L: 99,3 bar @ 38°C) and PN160; Class 900 (A105: 153,1 bar @ 38°C; AISI 316L: 148,9 bar @ 38°C)
Max Temperature: 300°C (According to DIN 7081 for glasses, see page 1.69)

View

Standard: front, on request lateral (right or left) adjustable in the production phase

Distance (Centre-to-centre)

Standard: see below table for minimum distance (Fixed distance, not adjustable)
Option: On request intermediate distances and over 2.000 mm

Materials (Standard)

| | | | |
|--------------------------|-------------------------|-------------------------|-----------|
| Execution: | CS/CS | SS/CS | SS/SS |
| Gauge body & cocks body: | ASTM A105 | AISI 316L | AISI 316L |
| Cocks trim: | AISI 303 | AISI 316 | AISI 316 |
| Non-wetted parts: | Carbon steel galvanized | Carbon steel galvanized | AISI 316 |

Gaskets

Standard: graphite/copper Option: graphite/AISI 316 or PTFE/AISI316

Shut-off cocks

DS GR18: cylindrical plug type - Straight type - Quick 90° closing
Handling: lever operated with PP handle (Standard: right; Option: left)

Process connections:

Standard flanges: UNI PN100-160 DN20 - DN25 ANSI #600-900/RF DN ¾" - 1"
Standard threaded unions: BSP-M ¾" - 1" NPT-M ¾" - 1"

Options: further connections types or direct connections to the process without shut-off cocks
(See page 1.51)

Vent: Standard: threaded ½" with plug

Option: see page 1.52

Drain: Standard: cock DS D12 threaded ½"

Option: see page 1.52

Glasses

Reflex - Borosilicate glass, "extra hard" and thermally pre-stressed - According to DIN 7081
Standard: fitted with type B (See page 1.69)

Accessories

See from page 1.55

Weights

Housing DS RPF: see below table
Cocks DS GR18: Kg. 9,2 approx. (With flanges UNI DN20 PN100)

Tightening torque of housing screws

Standard: 75 Nm

Spare parts

Housing DS RPF: see from page 1.69 (Drawing with components and parts list see page 1.63)
Cocks DS GR18: see from page 1.72 (Drawing with components and parts list see page 1.66)

| CODE | TYPE | BODY Length [mm] | DISTANCE MINIMUM SL [mm] | VISIBLE Length [mm] | GLASS Length [mm] | WEIGHT Housing [Kg] |
|------|-----------|------------------|--------------------------|---------------------|-------------------|---------------------|
| | x No. el. | B | M = B+50 | VL | x No. elements | |
| 11 | 1x1 | 130 | 180 | 95 | 115x1 | 7,7 |
| 12 | 2x1 | 155 | 205 | 120 | 140x1 | 8,6 |
| 13 | 3x1 | 180 | 230 | 145 | 165x1 | 9,9 |
| 14 | 4x1 | 205 | 255 | 170 | 190x1 | 11,0 |
| 15 | 5x1 | 235 | 285 | 200 | 220x1 | 12,3 |
| 16 | 6x1 | 265 | 315 | 230 | 250x1 | 13,1 |
| 17 | 7x1 | 295 | 345 | 260 | 280x1 | 14,8 |
| 18 | 8x1 | 335 | 385 | 300 | 320x1 | 16,0 |
| 19 | 9x1 | 360 | 410 | 320 | 340x1 | 17,7 |
| 24 | 4x2 | 410 | 460 | 375 | 190x2 | 20,5 |
| 25 | 5x2 | 470 | 520 | 435 | 220x2 | 23,1 |
| 26 | 6x2 | 530 | 580 | 495 | 250x2 | 24,7 |
| 27 | 7x2 | 590 | 640 | 555 | 280x2 | 28,1 |
| 28 | 8x2 | 670 | 720 | 635 | 320x2 | 30,5 |
| 29 | 9x2 | 720 | 770 | 680 | 340x2 | 33,9 |
| 36 | 6x3 | 795 | 845 | 760 | 250x3 | 36,3 |
| 37 | 7x3 | 885 | 935 | 850 | 280x3 | 41,4 |
| 38 | 8x3 | 1005 | 1055 | 970 | 320x3 | 45,0 |
| 39 | 9x3 | 1080 | 1130 | 1040 | 340x3 | 50,1 |
| 47 | 7x4 | 1180 | 1230 | 1145 | 280x4 | 54,7 |
| 48 | 8x4 | 1340 | 1390 | 1305 | 320x4 | 59,5 |
| 49 | 9x4 | 1440 | 1490 | 1400 | 340x4 | 66,3 |
| 57 | 7x5 | 1475 | 1525 | 1440 | 280x5 | 68,0 |
| 58 | 8x5 | 1675 | 1725 | 1640 | 320x5 | 74,0 |
| 59 | 9x5 | 1800 | 1850 | 1760 | 340x5 | 82,5 |

Tab. RPF