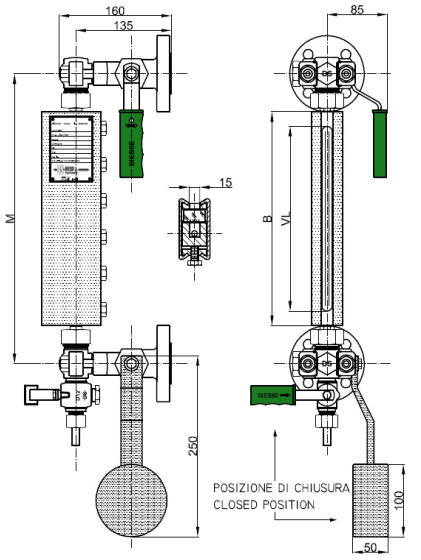
DS DIESSE FLUID CONTROL

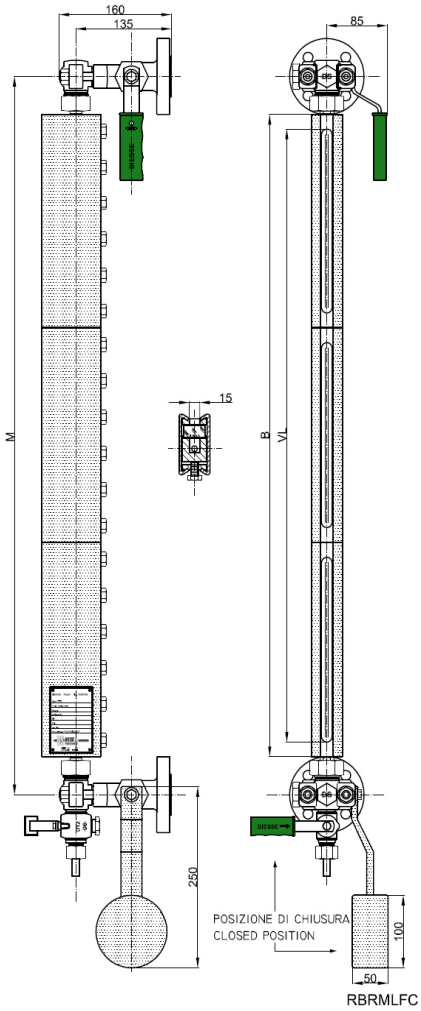
# GLASS LEVEL GAUGE REFLEX TYPE PN25 and PN40 / Class 150

# DS LG - RBR GR18 - LFC

**Code: DS LG-RBR…-… /40/RF-GR18/…/…-M…-CS/CS-LFC**




RBRLFC




RBRMLFC

## Technical data

### Service conditions
Max Pressure: PN25 and PN40
Max Temperature: 300°C (According to DIN 7081 for glasses, see page 1.69)

### Application
Fluid storage tanks also aboard of ships

### View
Standard: adjustable on 360° in the installation phase

### Distance (Centre-to-centre)
Standard: see below table (**Distance adjustable - 0 mm / + 10 mm**)
Option: On request intermediate distances and over 3.000 mm

### Materials (Standard)

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

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

### Shut-off cocks
DS GR18: cylindrical plug type - Straight type - Quick 90° closing
Lower cock with weight closing accessory for self closing

**Process connections:**

| | | |
|---|---|---|
| Standard flanges: | UNI PN40 DN15-20-25 | ANSI #150-300/RF DN ½“ - ¾“ - 1“ |
| Standard threaded unions: | BSP-M ½” - ¾” | NPT-M ½” - ¾” |

Options: further connections types to the process (See page 1.49)

| | | |
|---|---|---|
| **Vent:** | Standard: blind | Option: see page 1.50 |
| **Drain:** | Standard: cock DS D12 threaded ½” | Option: see page 1.50 |

### Glasses
Reflex - Borosilicate glass, “extra hard” and thermally pre-stressed - According to DIN 7081
Standard: fitted with type A (See page 1.69) Option: type B (See page 1.69)

### Accessories
See from page 1.55

### Weights
Housing DS RBR: see below table
Cocks DS GR18 with weight closing for lower handle: Kg. 10,8 approx. (With flanges UNI DN20 PN40)

### Tightening torque of housing screws
Standard: 40 Nm

### Spare parts
Housing DS RBR: see from page 1.69 (Drawing with components and parts list see page 1.61)
Cocks DS GR18: see from page 1.72 (Drawing with components and parts list see page 1.66)

| CODE | TYPE | BODY Length [mm] | DISTANCE SL Pipes L = 57 M [-0/+10 mm] | DISTANCE HL Pipes L = 70 M [-0/+10 mm] | VISIBLE Length [mm] | GLASS Length [mm] | WEIGHT Housing [Kg] |
|---|---|---|---|---|---|---|---|
| | x No. el. | B | M = B+105 | M = B+130 | VL | x No. elements | |
| **11** | 1x1 | 130 | **235** | **260** | **95** | 115x1 | 2,4 |
| **12** | 2x1 | 155 | **260** | **285** | **120** | 140x1 | 2,8 |
| **13** | 3x1 | 180 | **285** | **310** | **145** | 165x1 | 3,3 |
| **14** | 4x1 | 205 | **310** | **335** | **170** | 190x1 | 3,8 |
| **15** | 5x1 | 235 | **340** | **365** | **200** | 220x1 | 4,3 |
| **16** | 6x1 | 265 | **370** | **395** | **230** | 250x1 | 4,9 |
| **17** | 7x1 | 295 | **400** | **425** | **260** | 280x1 | 5,4 |
| **18** | 8x1 | 335 | **440** | **465** | **300** | 320x1 | 6,1 |
| **19** | 9x1 | 360 | **465** | **490** | **320** | 340x1 | 6,6 |
| **24** | 4x2 | 410 | **515** | **540** | **375** | 190x2 | 7,5 |
| **25** | 5x2 | 470 | **575** | **600** | **435** | 220x2 | 8,5 |
| **26** | 6x2 | 530 | **635** | **660** | **495** | 250x2 | 9,7 |
| **27** | 7x2 | 590 | **695** | **720** | **555** | 280x2 | 10,7 |
| **28** | 8x2 | 670 | **775** | **800** | **635** | 320x2 | 12,1 |
| **29** | 9x2 | 720 | **825** | **850** | **680** | 340x2 | 13,1 |
| **36** | 6x3 | 795 | **900** | **925** | **760** | 250x3 | 14,4 |
| **37** | 7x3 | 885 | **990** | **1015** | **850** | 280x3 | 15,9 |
| **38** | 8x3 | 1005 | **1110** | **1145** | **970** | 320x3 | 18,0 |
| **39** | 9x3 | 1080 | **1185** | **1210** | **1040** | 340x3 | 19,5 |
| **47** | 7x4 | 1180 | **1285** | **1310** | **1145** | 280x4 | 21,2 |
| **48** | 8x4 | 1340 | **1445** | **1470** | **1305** | 320x4 | 24,0 |
| **49** | 9x4 | 1440 | **1545** | **1570** | **1400** | 340x4 | 26,0 |
| **57** | 7x5 | 1475 | **1580** | **1605** | **1440** | 280x5 | 26,5 |
| **58** | 8x5 | 1675 | **1780** | **1805** | **1640** | 320x5 | 30,0 |
| **59** | 9x5 | 1800 | **1905** | **1930** | **1760** | 340x5 | 32,5 |
| **68** | 8x6 | 2010 | **2115** | **2140** | **1975** | 320x6 | 35,9 |
| **69** | 9x6 | 2160 | **2265** | **2290** | **2120** | 340x6 | 38,9 |
| **78** | 8x7 | 2345 | **2450** | **2475** | **2310** | 320x7 | 41,9 |
| **79** | 9x7 | 2520 | **2625** | **2650** | **2480** | 340x7 | 45,4 |
| **88** | 8x8 | 2680 | **2785** | **2810** | **2645** | 320x8 | 47,9 |
| **89** | 9x8 | 2880 | **2985** | **3010** | **2840** | 340x8 | 51,9 |

Tab. RBR