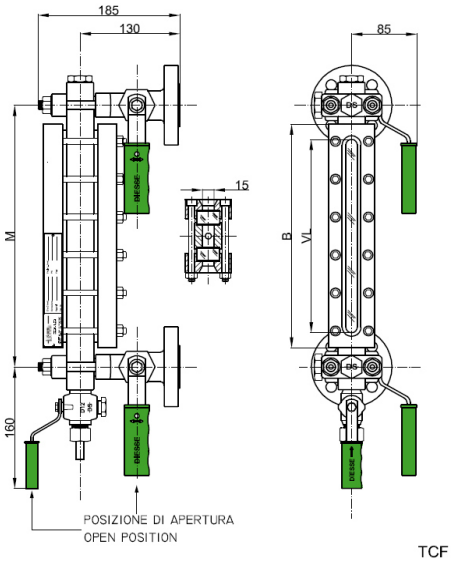
DIESSE FLUID CONTROL

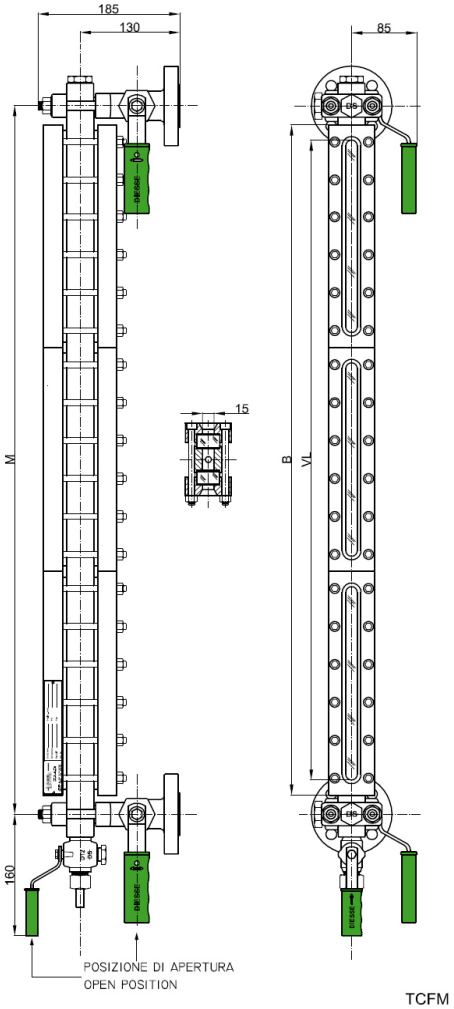
GLASS LEVEL GAUGE TRANSPARENT TYPE PN40 / Class 300

DS LG - TCF GR18

Code: DS LG-TCF…-… /40/RF-GR18/…/…-M…-CS/CS



TCF



TCFM

Technical data

Service conditions
Max Pressure: PN40; Class 300 (A105: 51 bar @ 38°C; AISI 316L: 49,6 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
Note: depending on operating conditions, each element may have one or more internal reinforcements

Distance (Centre-to-centre)
Standard: see below table for minimum distance (Fixed distance, not adjustable)
Option: On request intermediate distances and over 3.000 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 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 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
Transparent - Borosilicate glass, “extra hard” and thermally pre-stressed - According to DIN 7081
Standard: fitted with type A (See page 1.69)

Accessories
See from page 1.55

Weights
Housing DS TCF: see below table
Cocks DS GR18: Kg. 7,4 approx. (With flanges UNI DN20 PN40)

Tightening torque of housing screws
Standard: 35 Nm

Spare parts
Housing DS TCF: see from page 1.69 (Drawing with components and parts list see page 1.64)
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+40	VL	x No. elements	
11	1x1	130	**170**	**95**	115x1	4,5
12	2x1	155	**195**	**120**	140x1	5,1
13	3x1	180	**220**	**145**	165x1	5,6
14	4x1	205	**245**	**170**	190x1	6,0
15	5x1	235	**275**	**200**	220x1	6,8
16	6x1	265	**305**	**230**	250x1	7,3
17	7x1	295	**335**	**260**	280x1	8,0
18	8x1	335	**375**	**300**	320x1	8,7
19	9x1	360	**400**	**320**	340x1	9,4
24	4x2	410	**450**	**375**	190x2	10,5
25	5x2	470	**510**	**435**	220x2	12,1
26	6x2	530	**570**	**495**	250x2	13,1
27	7x2	590	**630**	**555**	280x2	14,6
28	8x2	670	**710**	**635**	320x2	15,9
29	9x2	720	**760**	**680**	340x2	17,3
36	6x3	795	**835**	**760**	250x3	19,0
37	7x3	885	**925**	**850**	280x3	21,1
38	8x3	1005	**1045**	**970**	320x3	23,2
39	9x3	1080	**1120**	**1040**	340x3	25,3
47	7x4	1180	**1220**	**1145**	280x4	27,6
48	8x4	1340	**1380**	**1305**	320x4	30,4
49	9x4	1440	**1480**	**1400**	340x4	33,2
57	7x5	1475	**1515**	**1440**	280x5	34,1
58	8x5	1675	**1715**	**1640**	320x5	37,6
59	9x5	1800	**1840**	**1760**	340x5	41,1
68	8x6	2010	**2050**	**1975**	320x6	44,9
69	9x6	2160	**2200**	**2120**	340x6	49,1
78	8x7	2345	**2385**	**2310**	320x7	52,1
79	9x7	2520	**2560**	**2480**	340x7	57,0
88	8x8	2680	**2720**	**2645**	320x8	59,2
89	9x8	2880	**2920**	**2840**	340x8	64,8

Tab. TCF