D81 - In-line

Mounting
Direct or remote

Diaphragm Material
AISI 316L SS, welded flush to body

Body Material
AISI 316L SS

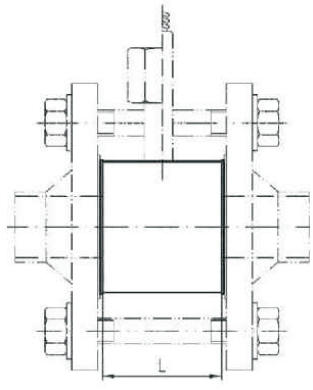
Nominal pressure
PN 4 to 400
Class 150 to 6000

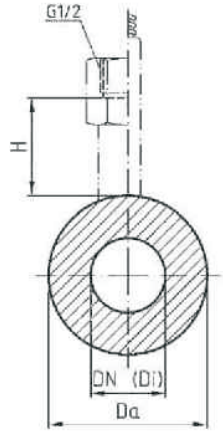
Pressure ranges
Flanges according to EN 1092-1

DN	PN	Minimum pressure range (in bar) for following dial size		
in mm	in mm	63mm	100mm	160mm
25	4-400	1.6	2.5	—
40	4-400	1.6	2.5	4
50	4-400	1.6	2.5	2.5
65	4-400	1.6	2.5	2.5
80	4-400	1.6	2.5	2.5

Flanges according to ASME B 16.5

DN	Class	Minimum pressure range (in bar) for dial size		
		63mm	100mm	160mm
1"	150-6,000	1.6	2.5	—
1.5"	150-6,000	1.6	2.5	4
2"	150-6,000	1.6	2.5	2.5
3"	150-6,000	1.6	2.5	2.5
4"	150-6,000	1.6	2.5	2.5





Process Connection
Flanges as per EN 1092-1 or ASME B 16.5,
also others standard versions are available on request

Options
Coating, Cooling element (>80℃)
Capilary tube, Other filling liquids

Dimensions (in mm)

Flange connection according to EN 1092-1

DN	Di	PN	Da	L	H
25	28.5	4-400	68	100	29
40	43.1	4-400	88	100	29
50	54.5	4-400	100	100	29
65	70.3	4-400	120	100	29
80	82.5	4-400	138	60	29
100	107.1	4-400	160	60	29

Flange connection according to ASME B 16.5

DN	Di	PN	Da	L	H
1"	28.5	150-6,000	50	100	29
1.5"	43.1	150-6,000	73.2	100	29
2"	54.5	150-6,000	91.9	100	29
3"	82.5	150-6,000	127	100	29
4"	107.1	150-6,000	157.2	60	29

D81 - In - line

Ordering Code

Gauge Connection

G 1/2" B (F)	2 G
M20x1.5 (F)	M 2

Process Connection

ASME B 16.5-2009

1" Class 150 to 6000	0 9
1.5"	1
2"	2
3"	3
4"	4

DN in mm, PN in bar (per EN 1092-1)

DN25 PN 4 to 400	D W
DN40	E
DN50	F
DN65	H
DN80	I
DN100	J
Special	Z Z

(Specify flange standard pressure rating)

Diaphragm Material

AISI 316L SS	L

Body Material

AISI 316L SS	L

Options

See page 35	X X X