

Application

Inline sight glasses are used in pipelines for visual observation of product flow.

Working Principle

Once the sight glass is installed inline product will flow through the inside of the unit allowing for easy visual examination of liquid flow.

Standard Design

The food grade polycarbonate tube is as clear as glass and it is unbreakable under normal use. It is mounted under two forged stainless steel flanges by means of stainless steel studs and nuts. The forged stainless steel flanges ensure non porous, smooth surface and dimensionally stable construction.

Available Sizes

1", 1½", 2", 2½", 3", 4"

DN25, DN40, DN50, DN65, DN80, DN100

Options

Borosilicate glass tube.

End connections: Sanitary Clamp, Butt-Weld, I-Line or others on request.

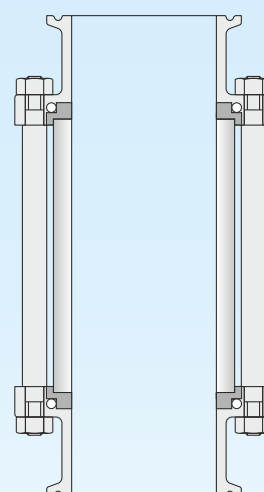
Guard : The outer polycarbonate guard protects the inner glass from being broken or damaged.

Material : AISI 316L or AISI 304L

FDA Seal Material

Standard : PTFE / Silicone (Combo)

*3A Approved.



Technical Specification
Material :

Product wetted steel parts.....AISI 316L or AISI 304L

Other steel parts.....AISI 304

FDA Seals :

Standard..... PTFE / Silicone (Combo)

Tube :

Standard.....Food grade polycarbonate (Lexan)

Optional.....Borosilicate Glass

Guard (Optional) Polycarbonate

Nominal Pressure :

Maximum product pressure..... 10 bar maximum (145 PSI) (Lexan)

10 br maximum (145 PSI) (Borosilicate)

Working temperature..... 215° Fahrenheit max. (Lexan)

350° Fahrenheit max. (Borosilicate)

Surface Finish :

Surface in contact with product.....Ra <= 25 µ in (Grit 220g)

Optional.....Ra <= 15 µ in (Grit 320g)

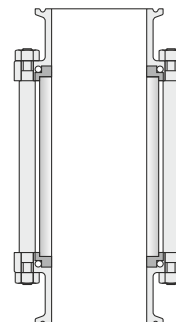
*Electropolishing available upon request.

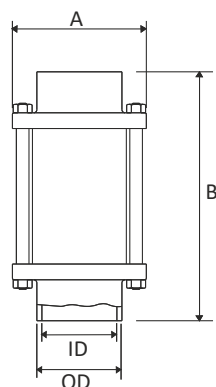
Connections Sanitary Clamp (ISO 2852 / BS 4825-3)

Optional Butt Weld (ISO 2037 / BS 4825-1)

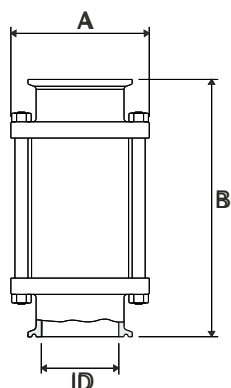
I-Line, Union End

Other connections on request

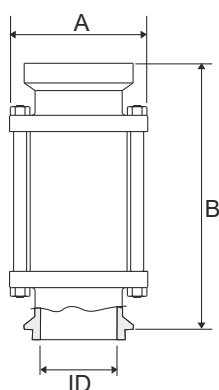


Dimensions ISO (mm)

Butt Weld

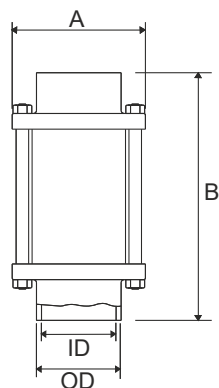
Dimensions	1"	1½"	2"	2 ½"	3"	4"
A	54	75	85	95	105	140
B	166	166	166	166	166	166
ID	22	35	48	60	73	98
OD	25.4	38.1	50.8	63.3	76.3	101.4


Sanitary Clamp

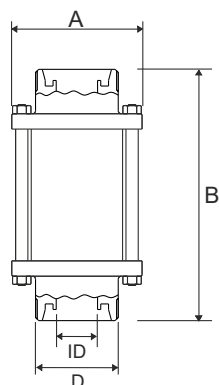
Dimensions	1"	1½"	2"	2 ½"	3"	4"
A	54	75	85	95	105	140
B	166	166	166	166	166	166
ID	22	35	48	60	73	98


I-Line

Dimensions	1"	1½"	2"	2 ½"	3"	4"
A	54	75	85	95	105	140
B	166	166	166	166	166	166
ID	22	35	48	60	73	98

Dimensions DIN (mm)

Butt Weld

Dimensions	DN 25	DN 40	DN 50	DN 65	DN 80	DN 100
A	54	75	85	95	117	140
B	166	166	166	166	166	166
ID	26	38	50	66	81	100
OD	29	41	53	70	85	104


Male x Male

Dimensions	DN 25	DN 40	DN 50	DN 65	DN 80	DN 100
A	54	75	85	95	117	140
B	186	186	186	186	186	186
ID	26	38	50	66	81	100
D (Thread)	52 x 1/6 Thd	65 x 1/6 Thd	78 x 1/6 Thd	95 x 1/6 Thd	110 x 1/6 Thd	130 x 1/6 Thd

95 Series Sight Glass Ordering System
