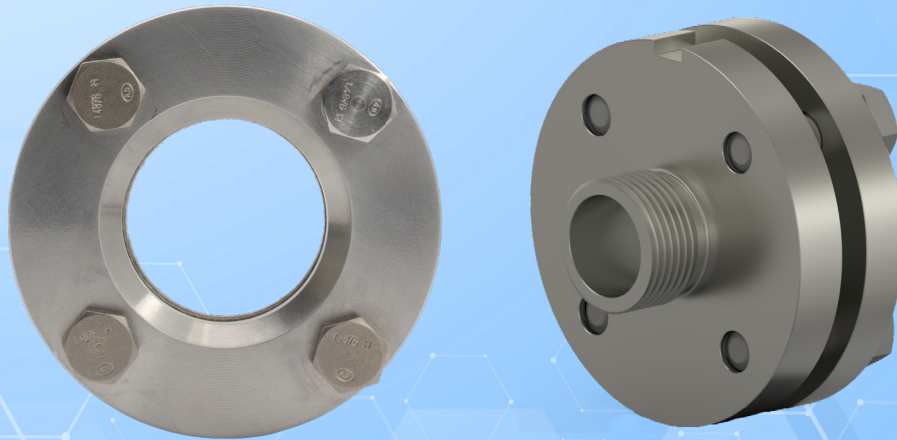




With threaded connection according to DIN EN ISO 228-1

USE:

The Sight glass fittings type 392 with threaded connections are suitable for pipelines, boilers, tanks and apparatus of all kinds. They can be used wherever visual inspections of filling or flow are required. They are equally suitable for liquids and gases. The sight glass fittings are also particularly recommended for special designs in various fields of application.

INSTALLATION INSTRUCTIONS:

The threaded connection must be sealed with a suitable sealant in order to achieve the specified pressure rating. The connection thread is not designed to be self-sealing!

OPERATING CONDITIONS		
Temperature: (depending on glass and gasket)	≤ 280°C	Borosilicate glass (DIN 7080 or similar)
Pressure:	≤ 16 bar(g) up to 160 bar(g)	
Higher pressures possible on request		
Low temperature application as well as higher temperatures/pressures on request		

MATERIALS	
Base flange:	1.4571; 1.4404
Glass:	Borosilicate glass (DIN 7080 or similar)
Gasket:¹	PTFE; FKM; NBR; C4400; Silicone; EPDM; Graphite
Screws:	A4-70 / A2-70
Special materials on request	

1) See „INFO-gasket“ leaflet

CONSTRUCTION:

Screws

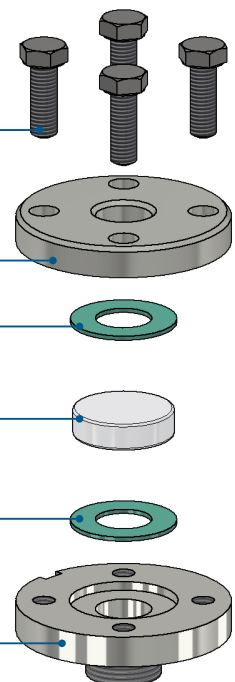
Cover flange

Gasket (on the atmosphere side)

Sight glass

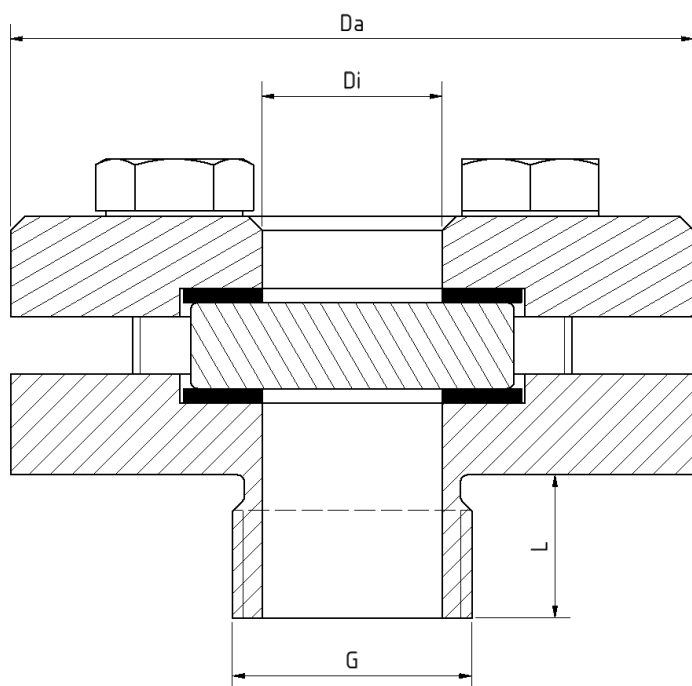
Gasket (on the media side)

Base flange with threaded connection



PN	G	Da [mm]	Di [mm]	L [mm]	WEIGHT [kg]
16	½"	70	15	20	0,7
	1"	95	25	20	1,4
	1½"	110	40	20	2,1
	2"	110	40	20	2,1
40	½"	70	15	20	0,7
	1"	like PN 63			
	1½"	110	40	20	2,1
	2"	110	40	20	2,1
63	½"	95	15	20	1,3
	1"	95	25	20	1,5
	1½"	like PN 100			
	2"	like PN 100			
100	½"	70	15	20	0,7
	1"	95	25	20	1,5
	1½"	110	40	20	2,2
	2"	110	40	20	2,2
160	½"	70	15	20	0,7
	1"	95	25	20	1,7
	1½"	110	40	20	2,6
	2"	110	40	20	2,6
other sizes and pressure ratings on request					
Assembly with hook spanner like DIN 11851					

DRAWING:



PRODUCT CODE:

Example to explain the code composition

11 - 392 - 2 - 1 - 2 - 1 - 4 - 0								
GROUP	TYPE	G	PN	BASE FLANGE ¹	GLASS	GASKET	VARIANT	
11	392	1) ½"	1) 16	1) 1.4404	1) Borosilicate glass according to DIN 7080 or similar	1) PTFE	0) Standard	
		2) 1"	2) 40	2) 1.4571		2) FKM		
		3) 1½"	3) 63	3) Special	4) Borosilicate glass ² + PTFE-wiper SGW	3) NBR		
		4) 2"	4) 100		5) Borosilicate glass ² + Silicone-wiper SGW	4) C4400		
		5) Special	5) 160			5) Silicone		
		6) Special	6) Special			6) EPDM		
						7) Graphite		
						8) Special		

1) Cover flange according to quotation/order confirmation

2) Similar to DIN 7080



Unless otherwise stated, the highlighted factory standard is supplied.

EXAMPLE:

11-392-2-1-2-1-4-0 equivalent to:

ACI Type 392

Thread G 1"

PN 16

Base flange made of 1.4571

Cover flange made of 1.4571

Borosilicate glass (DIN 7080 or similar)

Gasket C4400

Standard version

- other equipment optional



For aggressive media or steam, mica discs should be used to protect the glass.

QUICK OVERVIEW:



PN 16 - PN 160
16 up to 160 bar(g)



heat-resistant up to
280 °C



for liquid
media



for gaseous
media



Nominal size
½" up to 2"



Customized products
possible



> 50 gasket
materials



Additional equipment
available

OPERATING CONDITIONS:

Betriebsbedingungen sind abhängig
von der Wahl des Glases und der
Dichtungen:

		SIGHT GLASS	GASKETS						
		Borosilicate glass (DIN 7080 or similar)	PTFE max. 200 °C	FKM max. 200 °C	NBR max. 80 °C	C4400 max. 175 °C	Silicone max. 180 °C	EPDM max. 130 °C	Graphite > 400 °C
TEMPERATURE	up to 80 °C	✓	✓	✓	✓	✓	✓	✓	✓
	up to 130 °C	✓	✓	✓	✗	✓	✓	✓	✓
	up to 175 °C	✓	✓	✓	✗	✓	✓	✗	✓
	up to 200 °C	✓	✓	✓	✗	✗	✗	✗	✓
	up to 280 °C	✓	✗	✗	✗	✗	✗	✗	✓
PRESSURE	up to 16 bar(g)	✓	✓	✓	✓	✓	✓	✓	✓
	up to 40 bar(g)	✓	✓	✗	✗	✓	✗	✗	✓
	up to 63 bar(g)	✓	✗	✗	✗	✗	✗	✗	✓
	up to 100 bar(g)	✓	✗	✗	✗	✗	✗	✗	✓
	up to 160 bar(g)	✓	✗	✗	✗	✗	✗	✗	✓

✓ suitable ✗ unsuitable

OPTIONAL EQUIPMENT:



Mica discs

- > up to 300°C with borosilicate glass DIN 7080



Wiper SGW

- > with PTFE, Silicone, EPDM or FKM wiper blades



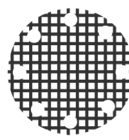
LED - light

- > for Ex- and Non-Ex areas

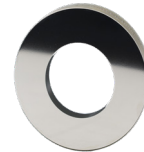


FEP protective screen/coating

- > for high pH values

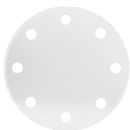


Grid impact protection window¹



Metal fused safety sight glass

- > for chemical use



PLEXIGLAS® impact protection

1) Punching on customer request

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