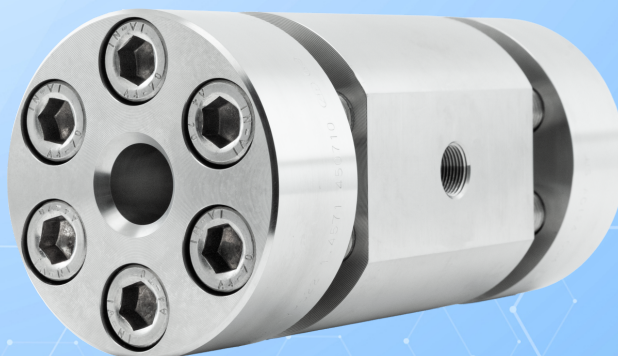




With internal thread BSP according to DIN EN ISO 228-1 or NPT pipe thread ANSI B 1.20.1 up to max. 400 barg

USAGE

High-pressure flow sight glasses of type 522 are used for observing the level and flow in pipelines.

They enable reliable monitoring of the function and performance of individual devices as well as complete systems. The high-pressure flow sight glasses of type 522 are designed for installation with female thread connections according to DIN EN ISO 228-1 (BSP thread) or ANSI B 1.20.1 (NPT thread).

Operating conditions:

Temperature: (depending on glass and gasket)	≤ 280 °C Borosilicate glass DIN 7080 ≤ 300 °C Borosilicate glass DIN 7080 with mica protection disc
Pressure:	≤ 63 barg up to 400 barg

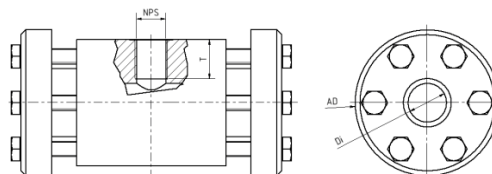
Materials:

Body:	1.4571
Glass:	Borosilicate glass DIN 7080 Borosilicate glass DIN 7080 + mica protection disc
Gasket:	Graphite / stainless steel
Screws:	A2-70 / A4-70
Special materials available upon request	

INSTALLATION NOTE

The screw connection must be sealed with suitable sealing material in order to achieve the specified pressure level. The connecting thread is not designed to be self-sealing!

DRAWING





High-pressure sight glass type 522 PN 63/400

Flow sight glass with female
thread

Type 522

NPS	1/4"	3/8"	1/2"	3/4"	1"	1 1/2"	2"
D1	25	25	25	35	40	40	50
T (G)	20	25	25	30	40	40	40
T (NPT)	10	10,3	13,6	14	16,8	17,3	17,7
AD	105	105	105	125	150	150	170
Special sizes and other standards available upon request							



High-pressure sight glass type 522 PN 63/400

Flow sight glass with female thread

Type 522

PRODUCT CODE

Example for Explaining the Code Composition

11 - 522 - 1 - 5 - 4 - 1 - 1 - 7

GROUP	TYPE	THREAD	NPS	PN	BODY*	GLASS	GASKET	VARIANT
11	522	1) BSP	1) 1/4"	2) 63	1) 1.4571	1) Borosilicate glass DIN 7080	7) Graphite / Stainless steel	000) Standard
		2) NPT	2) 3/8"	3) 100	8) Special	4) Borosilicate glass DIN 7080 + Mica		
		3) Special	3) 1/2"	4) 160		8) Special		
			4) 3/4"	5) 250 ¹				
			5) 1"	6) 320 ¹				
			6) 1 1/2"	7) 400 ¹				
			7) 2"	8) Special				
			8) Special					

1) Only with borosilicate glass and mica protection discs



Unless otherwise specified, the highlighted factory standard will be delivered.

EXAMPLE

The product code **11-522-1-5-4-1-1-7-000** corresponds to the standard version:

ACI Type 522

Internal thread 1" BSP

PN 160

Body 1.4571

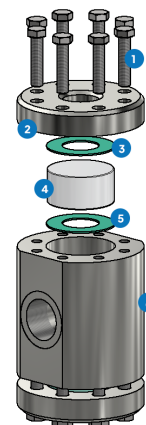
Cover flanges 1.4571

Borosilicate glass DIN 7080

Gasket Graphite / Stainless steel

STRUCTURE

1. Screws
2. Cover flange
3. Glass cushion
4. Sight glass
5. Gasket
6. Body





High-pressure sight glass type 522 PN 63/400

Flow sight glass with female
thread

Type 522

QUICK OVERVIEW



max. 400 barg



heat resistant up to 300
°C



for liquid media



for gaseous media



Nominal sizes
1/4" - 2"



Custom made design
possible



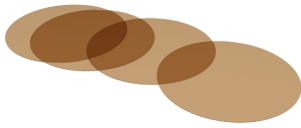
ACI
INDUSTRIEARMATUREN

High-pressure sight glass type 522 PN 63/400

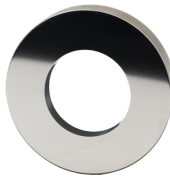
Flow sight glass with female
thread

Type 522

OPTIONAL ACCESSORIES



Round mica discs



Metal fused safety sight glass

> up to 320 °C with Borosilicate glass
DIN 7080

> for safety applications



For aggressive media, steam or operating pressures > 160 bar, mica discs are used to protect the glasses.

ACI Industriearmaturen GmbH

✉ info@aci24.com

🌐 www.aci24.com

📍 Königskamp 19 · 52428 Jülich · Germany

☎ +49 (0) 2461 91634 00

☎ +49 (0) 2461 91634 44

Continental Trade Sp. z o.o.

✉ biuro@continentaltrade.com.pl ☎ +48 22 670 11 81

🌐 www.continentaltrade.com.pl 🏢 -

📍 Stara 23 · 05-270 Nadma · Poland