

Valve accessories



ISO 7-1 (except for NPT)

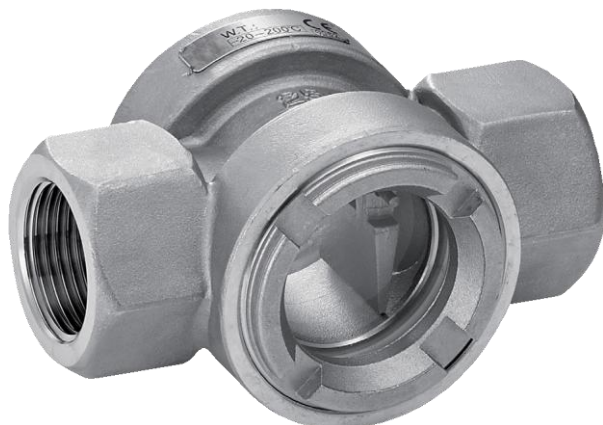
Sight glass female/female - 316 stainless steel

Model 58843

BSP female thread

Model 58845

NPT female thread



Specifications

Dimensions: DN15 to DN50 (1/2" to 2")

Connection: BSP ISO 7-1 or NPT female thread

Pressure: PMS 14 bar

Temperature: -20°C to +200°C

Material: 316/CF8M stainless steel
(for the stainless steel parts that can come into contact with the transported fluid)

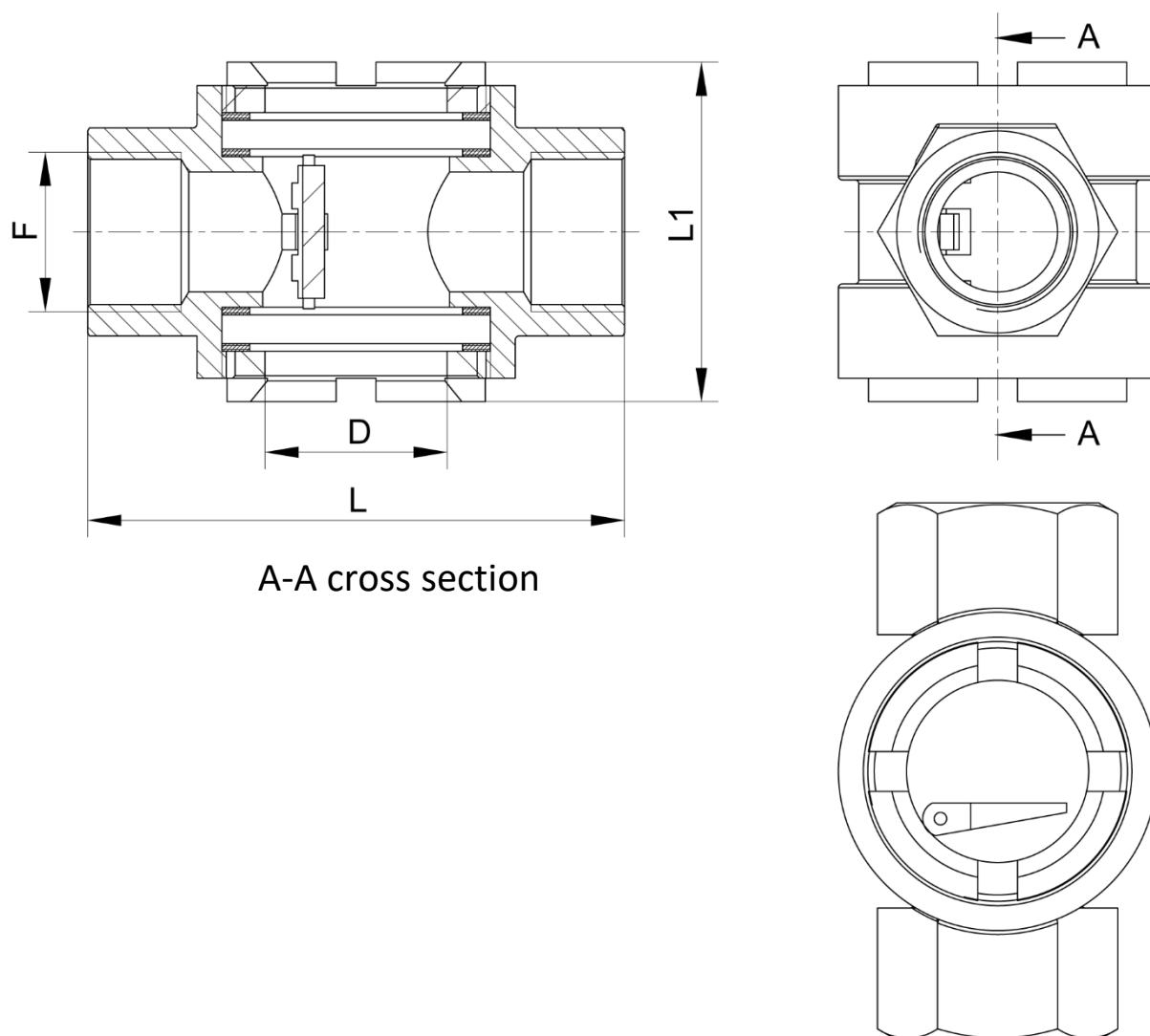
PTFE gaskets - Toughened glass



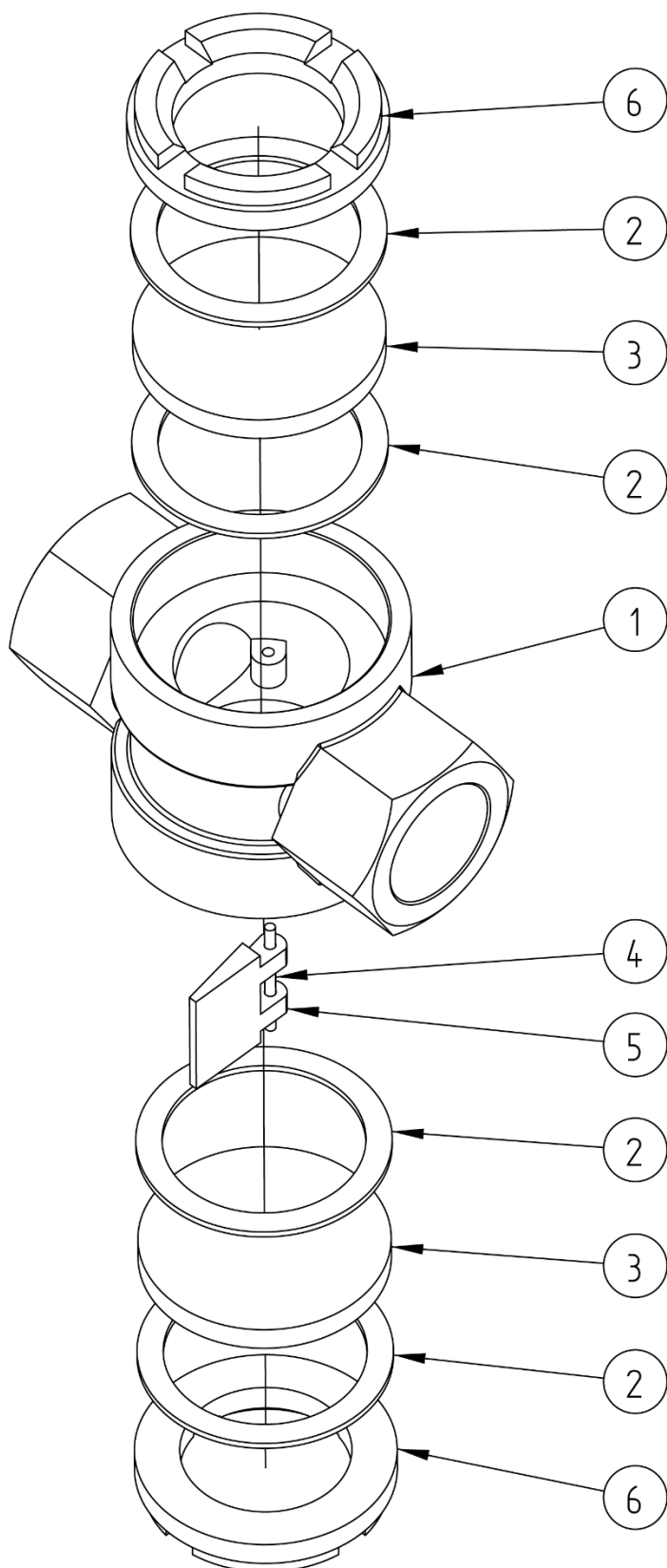
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58843/58845-C V0826



DN (mm)	NB (inches)	D (mm)	L (mm)	L1 (mm)	Weight (kg)	F (inches)	BSP part no.	F (inches)	NPT part no.
15	1/2"	38	112	69	0.90	Rp 1/2"	458843-15	NPT 1/2"	458845-15
20	3/4"	38	112	69	1.00	Rp 3/4"	458843-20	NPT 3/4"	458845-20
25	1"	38	112	69	1.20	Rp 1"	458843-25	NPT 1"	458845-25
32	1"1/4	45	146	108	2.60	Rp 1"1/4	458843-32	NPT 1"1/4	458845-32
40	1"1/2	45	146	108	2.80	Rp 1"1/2	458843-40	NPT 1"1/2	458845-40
50	2"	55	170	125	4.00	Rp 2"	458843-50	NPT 2"	458845-50

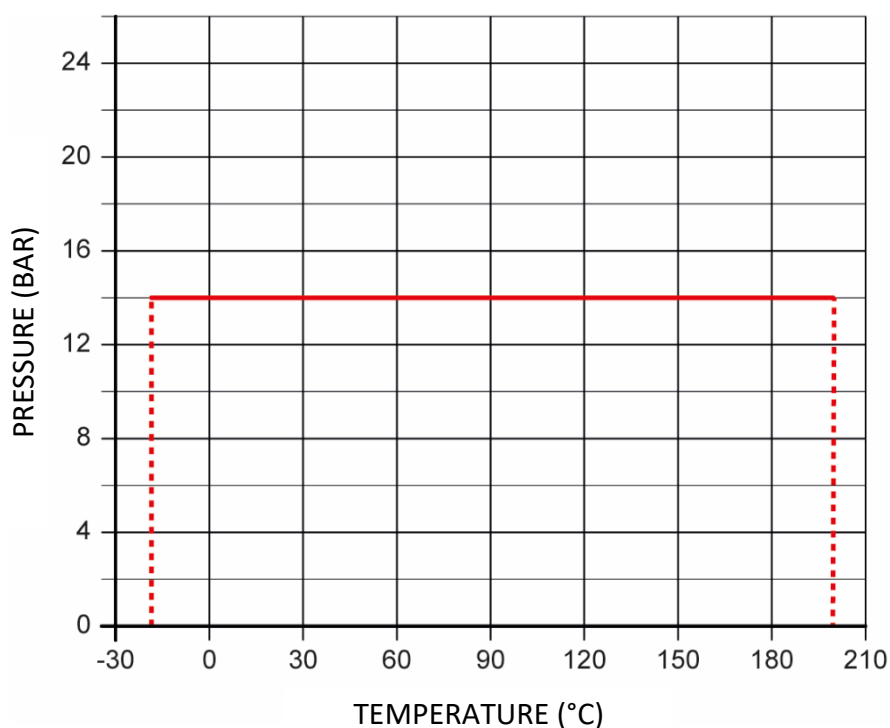


N°	Part Name	Material
1	BODY	CF8M
2	GASKET	PTFE
3	SIGHT GLASS	GLASS
4	PIN (FLAPPER)	AISI 316
5	FLAPPER	CF8M
6	CAP	CF8M

Use

Pressure and temperature

For pressure/temperature ratings, see the graph below.



Warning: If the sight glass is used with fluids that have a temperature above 60°C then people could burn themselves if they touch it.

Fluids

This sight glass is suitable for all types of fluids, as long as the fluids are chemically compatible with the sight glass parts that they can come into contact with.

Assembly and maintenance instructions

Installation

A sight glass can be installed in any position, on horizontal pipes as well as vertical ones (except if the fluid in the pipes is moving downwards). When you install the sight glass make sure that the arrow on it is pointing in the direction in which fluids will pass through it.

The flapper inside the sight glass makes it possible to see fluid flow even if the fluid in the pipe is colourless. The flapper can be removed.

Check that there is enough space to carry out maintenance operations where you are planning to install the sight glass. Check that the installation is clean and free from foreign bodies that could damage the sight glass.

Check that all piping is perfectly aligned and that the piping support structure is dimensioned so that the sight glass is not subject to any external stresses. The piping support structure must only support the pipes, not the sight glass.

Sight glass installation:

Use a wrench that is suitable for the hexagon-shaped sight glass ends. You must not use the sight glass's body when you are tightening the connections. Use a product that is suitable for the working conditions (e.g. PTFE tape) to make sure the sight glass's threaded connections are sealed correctly.

Clean the installation so that there are no foreign bodies in the piping.

Check the sight glass is operating correctly.

Pressure test the installation according to the relevant standards, but do not exceed the sight glass's specifications.

Maintenance

The sight glass does not require any specific maintenance if it is used in normal operating conditions.

You may need to change some of the sight glass's parts due to unusual wear and tear, or if a fluid has damaged it and caused a leak or malfunction.

If this is the case see the 'Assembly / Disassembly' and 'Spare Parts' sections below.

Assembly / Disassembly

Unscrew and remove the caps **6** and the toughened glass parts **3**. Clean the inside of the sight glass if needed.

Replace the gaskets **2** and the toughened glass parts **3** if necessary.

Check the condition of the toughened glass parts (in terms of visibility and corrosion). Replace these parts if necessary.

Follow the disassembly steps in reverse to reassemble the sight glass.

Spare parts



Repair kit

A repair kit contains:

- 4 gaskets **2**
- 2 toughened glass parts **3**

DN (mm)	NB (inches)	Part number
15 to 25	1/2" to 1"	D5091-152026
32 to 40	1"1/4 to 1"1/2	D5091-3240
50	2"	D5091-50

Standards and compliance

- Connection: BSP female thread in accordance with EN ISO 7/1 (Rp) or NPT female taper thread in accordance with ANSI B1.20.1.
- Leak testing according to EN 12266/API 598.
- This valve complies with European Pressure Equipment Directive (PED) 2014/68/EU (formerly 97/23/EC).