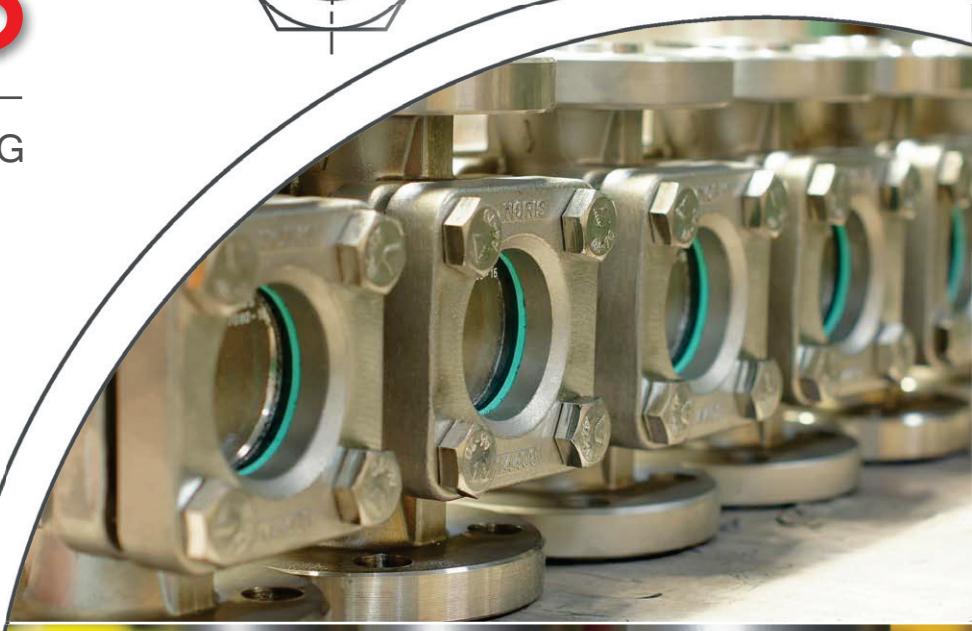
NORIS

ARMATUREN

BURKENSTEIN GMBH & CO. KG



Tank Sight Glass Fittings

Sight Flow Indicators

Strainers

TRUST

IN WHAT YOU SEE.

NORIS Sight Flow Indicators

With Flange Connection DIN / ANSI

type	BF 880
description	DIN 3237
pressure	PN 16 - PN 40
size	DN 15 - DN 200

type	BF 885
description	DIN 3236
pressure	PN 16 - PN 40
size	DN 15 - DN 150

type	BF 112
description	without residual fluid
pressure	PN 16
size	DN 15 - DN 400

type	BF 912
description	high-pressure design
pressure	up to PN 160
size	DN 15 - DN 100

type	BF 108-B
description	loose flanges
pressure	PN 10
size	DN 15 - DN 80

all flanges available in ANSI design (see data sheet)

With Thread

type	BF 881
description	G- (BSP) or NPT- thread
pressure	PN 16 - PN 40
size	1/4" - 2"

In Angle- or Multiway-Line

type	BF 920
description	angle-line
pressure	PN 10 - PN 40
size	DN 15 - DN 200

type	BF 972
description	3-way-line
pressure	PN 16 - PN 40
size	DN 15 - DN 200

type	BF 974
description	4-way-line
pressure	PN 16 - PN 40
size	DN 15 - DN 200

With Welding Ends

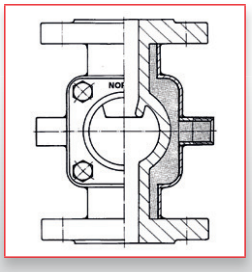
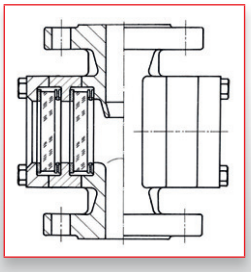
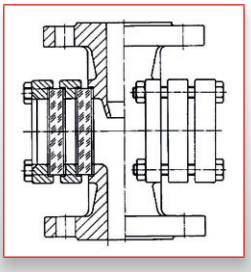
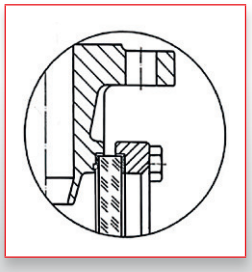
type	BF 880-S
description	butt weld ends
pressure	PN 16 - PN 40
size	DN 15 - DN 200

type	BF 880-SOW
description	socket weld ends
pressure	PN 16 - PN 40
size	DN 15 - DN 100

type	BF 112-S
description	without residual fluid
pressure	PN 16
size	DN 10 - DN 400

type	BF 912-S
description	high-pressure design
pressure	up to PN 160
size	DN 15 - DN 100

Additional Equipment

description	heating jacket	safety double windows	double windows	vacuum sealing	spray washer
					

description	flap indication	spinner	light fitting	wiper BF190-T / 190-F	protective grid
			standard or **EX**-design	with T-handle or freewheel	

Materials

casting materials	welding materials
• GG-25 • GS-C 25 • 1.4408 • other materials on request	• carbon steel • 1.4571 • other materials on request

Tubular Sight Glasses DIN / ANSI

type	BF 20	BF 25	BF 25-B
description	standard	safety sealing	with ball indication
pressure	up to 6 bar	up to 6 bar	up to 6 bar
size	DN 15 - DN 200	DN 15 - DN 200	DN 25 - DN 100
materials	carbon steel / 1.4571	carbon steel / 1.4571	carbon steel / 1.4571

NORIS tubular sight glasses available with:

- DIN / ANSI flanges (see data sheet)
- thread
- welding ends

NORIS Tank Sight Glass Fittings

To Be Welded Directly to Tanks

type	BF 120
description	DIN 28120
pressure	PN 6 - PN 16
size	DN 25 - DN 200
materials	c-steel / 1.4541 / 1.4571

type	BF 118
description	light design
pressure	PN 2,5
size	DN 50 - DN 200
materials	carbon steel / 1.4571

type	BF 220
description	rectangular
pressure	PN 16
size	see data sheet
materials	carbon steel / 1.4571

type	BF 225
description	obround
pressure	PN 3 - PN 25
size	see data sheet
materials	carbon steel / 1.4571

type	BF 127
description	similar to DIN 11851
pressure	PN 6
size	DN 50 - DN 125
materials	1.4404 / 1.4301

type	BF 230
description	with welding end
pressure	PN 10 - PN 63
size	DN 25 - DN 200
materials	c-steel / 1.4541 / 1.4571

To Be Mounted to Existing Flanges DIN / ANSI

type	BF 121
description	DIN 28121
pressure	PN 10 - PN 25
size	DN 40 - DN 200
materials	carbon steel / 1.4571

type	BF 1205
description	manhole sight glass
pressure	acc. to arrangement
size	DN 150 - DN 800
materials	c-steel / 1.4541 / 1.4571

type	BF 232
description	with male thread
pressure	up to PN 40
size	G (BSP)
materials	carbon steel / 1.4571

further opportunities

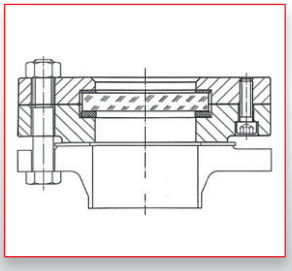
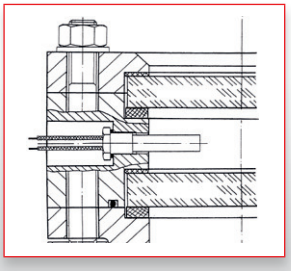
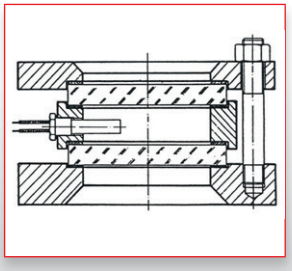
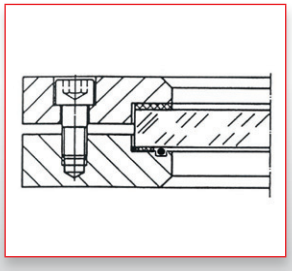
- BF 121 and BF 1205 available in ANSI design
- all tank sight glass fittings available in special materials
- special flanges on request

Materials

welding materials

- HII / C 22.8
- 1.4541
- 1.4571
- other materials on request

Additional Equipment

description	high-temperature	safety double windows	double windows	vacuum sealing
				
	T_{max} > 200 °C *	also with heating system	also with heating system	with O-ring sealing

description	spray washer BF121-I	spray washer BF198	standard light fitting	EX light fitting

description	wiper with T-handle BF190-T	wiper with freewheel BF190-F	wiper pressure-resistant BF195	protective grid

Available Additional Equipment

	high temp.	safety dbl. win.	dbl. windows	vacuum	BF121-I	BF198	light fitting	BF190-T/-F	BF195	prot. grid
BF 120	√	√	√	√	-	√	√	√	√	√
BF 118	√	√	√	√	-	√	√	√	-	√
BF 220	√	-	-	-	-	-	-	-	-	-
BF 225	√	-	-	-	-	-	-	-	-	√
BF 127	√	-	-	√	-	-	√	√	-	√
BF 230	√	√	√	√	-	-	√	√	-	√
BF 121	√ *	√	-	√	√	-	√	√	-	√
BF 1205	√	√	√	√	-	√	√	√	√	√
BF 232	√	√	√	√	-	-	√	√	-	√

all tank sight glass fittings are available with quartz glass for temperatures > 300 °C

* with graphite sealing up to 280 °C, with quartz glass more than 300 °C

NORIS Strainers

Strainers DIN / ANSI

type	BF 140	BF 141	BF 150	BF 155	BF 146	BF 148
description	Y-type	threaded connection	basket strainer	pot strainer	flat sieve	hat sieve
pressure	PN 16 - PN 40	PN 16 - PN 40	PN 6 - PN 40	PN 6 - PN 40	PN 16 - PN 40	PN 16 - PN 40
size	DN 15 - DN 250	G (BSP) 1/4 " - 2 "	DN 15 - DN 200	DN 50 - DN 400	DN 15 - DN 400	DN 15 - DN 400

materials

- GS-C 25
- 1.4408
- 1.4571
- carbon steel
- other materials on request

optional

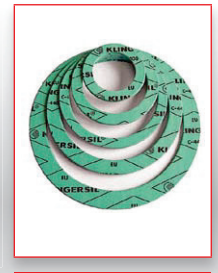
- all strainers are available with welding ends
- all strainers are available with ANSI-flanges

NORIS Accessories

Sight Glass Plates

description	soda-lime glass	borosilicate glass	borosilicate, long, reflex	borosilicate, long, transparent	META glass	quartz glass
norm	DIN 8902	DIN 7080	DIN 7081	DIN 7081	DIN 7079	-
temperature	up to 150 ° C	up to 280 ° C	up to 280 ° C	up to 280 ° C	up to 280 ° C	> 300 ° C

Gaskets



description	gasket, round	gasket, long
size	see data sheet	see data sheet

available materials

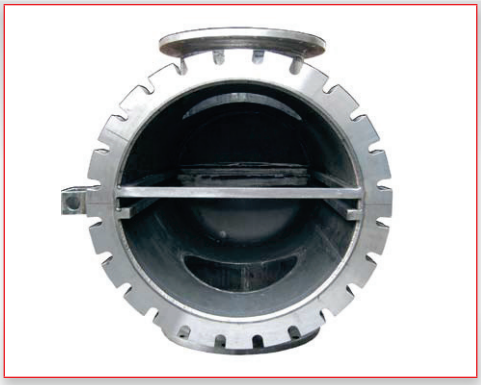
- aramid fibre
- graphite
- PTFE / GYLON® or similar
- Viton®
- silicone
- EPDM
- Perbunan®
- other materials available on request

Individual Manufacturing With Customers Specification

sight flow indicator with heating jacket

special tank sight glass fitting

outflow cone



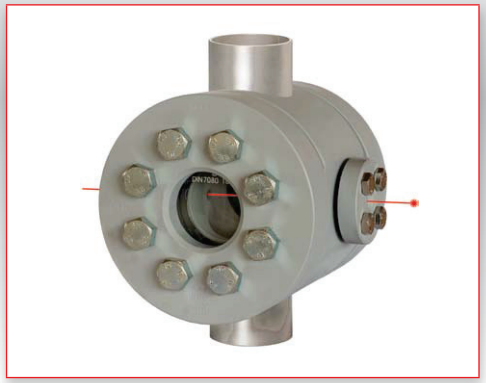
pot strainer, DN 500

rectangular tank sight glass mounted in pipeline

tank sight glass with hinged radiation filter

inner lining: rubber or PFA

high-pressure design



high-pressure design with laser coupling

We manufacture all fittings individual according to your specifications and wishes as a special design.

Feel free to contact our experts for further information.

NORIS Armaturen
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