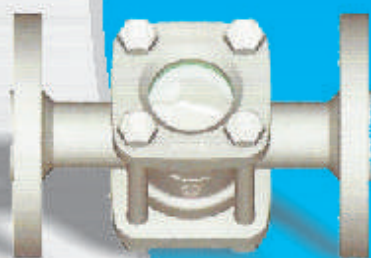


SIGHT

사이트 글라스

GLASS



JSV 정 석 밸브

JEONG SEOK VALVE

CONTENTS

SEE THROUGH TYPE SIGHT GLASS	3
• JSG-S1S	
• JSG-F1S	
BALL TYPE SIGHT GLASS	4
• JSG-S1B	
• JSG-F1B	
FLAPPER TYPE SIGHT GLASS	5
• JSG-S1F	
• JSG-F1F	
LANTERN TYPE SIGHT GLASS	6
• JSG-F2LP	
• JSG-F2LF	
SIDE TYPE SIGHT GLASS	7
• JSG-F3SR	
• JSG-F3SP	
LINED TYPE SIGHT GLASS	8
• JSG-F4L	
JACKET TYPE SIGHT GLASS	8
• JSG-F4J	
WIPER TYPE SIGHT GLASS	9
• JSG-F5WF	
• JSG-F5WW	
WEDLING PAD TYPE SIGHT GLASS	10
• JSG-WIE	
• JSG-WIC	
GLASS of THE SIGHT GLASS TYPE	11

사이트 글라스를 통해서 Through the sight glass

유체의 흐름 방향이 올바른지 Whether the direction of flow of the fluid is correct

유체의 흐름이 막혔는지 Whether the flow of the fluid is blocked

쉽게 육안으로 확인할 수 있습니다. Can be easily checked by visual

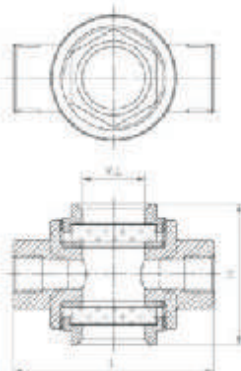
SEE THROUGH TYPE SIGHT GLASS

MODEL : JSG-S1S

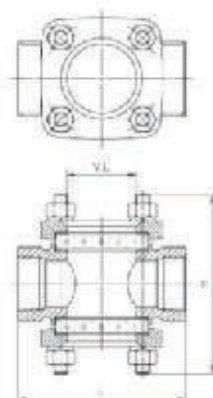
■ DIMENSION

SIZE	L	V.L	H (Approx.)
DN8 (1/4")	70	22	50
DN10 (3/8")	70	22	50
DN15 (1/2")	100	40	88
DN20 (3/4")	100	40	88
DN25 (1")	120	40	88
DN32 (1 1/4")	120	40	92
DN40 (1 1/2")	145	60	155
DN50 (2")	160	75	175

Size : DN8~DN32



Size : DN40~DN50



■ SPECIFICATION

Connection : Screwed End (Standard PT, Order Specification NPT)

Max. pressure : 30kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

This type is useful to observe the colored fluid.

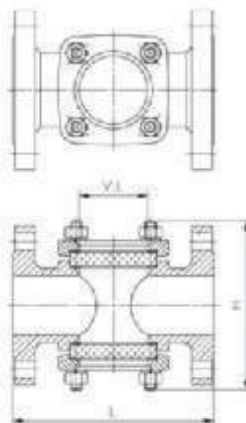
This type is not available on the achromatic colored fluid, such as air, oxygen, etc.

MODEL : JSG-F1S

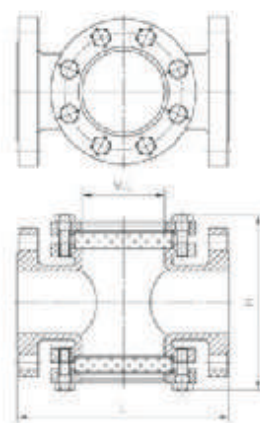
■ DIMENSION

SIZE	L	V.L	H (Approx.)
DN15 (1/2")	150	40	125
DN20 (3/4")	150	40	125
DN25 (1")	170	40	125
DN32 (1 1/4")	170	40	125
DN40 (1 1/2")	200	60	155
DN50 (2")	220	75	175
DN65 (2 1/2")	220	75	185
DN80 (3")	270	105	224
DN100 (4")	320	130	254
DN125 (5")	380	155	293
DN150 (6")	420	200	332
DN200 (8")	500	265	400

Size : DN15~DN65



Size : DN80~DN200



■ SPECIFICATION

Connection : Flanged End

Max. pressure : 40kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

This type is useful to observe the colored fluid.

This type is not available on the achromatic colored fluid, such as air, oxygen, etc.

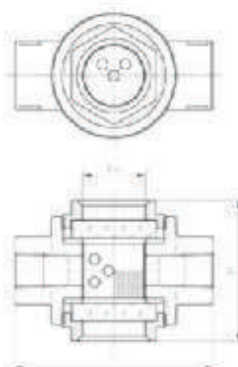
BALL TYPE SIGHT GLASS

MODEL : JSG-S1B

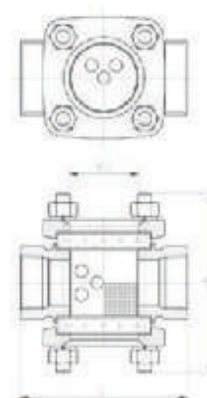
■ DIMENSION

SIZE	L	VL	H (Approx.)
DN8 (1/4")	70	22	50
DN10 (3/8")	70	22	50
DN15 (1/2")	100	40	88
DN20 (3/4")	100	40	88
DN25 (1")	120	40	88
DN32 (1 1/4")	120	40	92
DN40 (1 1/2")	145	60	155
DN50 (2")	160	75	175

Size : DN8~DN32



Size : DN40~DN50



■ SPECIFICATION

Connection : Screwed End(Standard PT, Order Specification NPT)

Max. pressure : 30kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

Ball type sight glass is used observing the fluid flow by the motion of balls within screen.

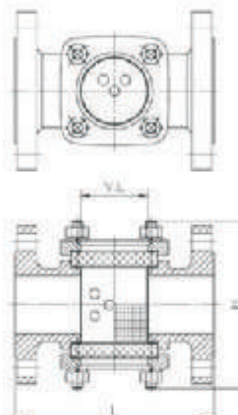
This type is used to observe the fluid flow at low flow velocity.

MODEL : JSG-F1B

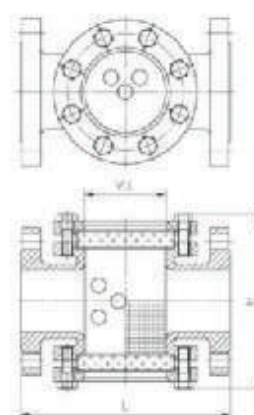
■ DIMENSION

SIZE	L	VL	H (Approx.)
DN1 1/2 (1 1/2")	150	40	125
DN2 0 (2 0")	150	40	125
DN2 5 (2 5")	170	40	125
DN3 2 (3 2")	170	40	125
DN4 0 (4 0")	200	60	155
DN5 0 (5 0")	220	75	175
DN6 5 (6 5")	220	75	185
DN8 0 (8 0")	270	105	224
DN1 0 (10 0")	320	130	254
DN1 25 (12 5")	380	155	293
DN1 50 (15 0")	420	200	332
DN2 0 (20 0")	500	265	400

Size : DN15~DN65



Size : DN80~DN200



■ SPECIFICATION

Connection : Flanged End

Max. pressure : 40kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

Ball type sight glass is used observing the fluid flow by the motion of balls within screen.

This type is used to observe the fluid flow at low flow velocity.

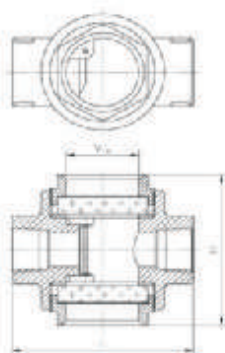
FLAPPER TYPE SIGHT GLASS

MODEL : JSG-S1F

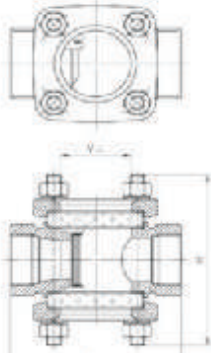
■ DIMENSION

SIZE	L	VL	H (Approx.)
DN15 (1/2")	100	40	88
DN20 (3/4")	100	40	88
DN25 (1")	120	40	88
DN32 (1 1/4")	120	40	92
DN40 (1 1/2")	145	60	155
DN50 (2")	160	75	175

Size : DN15~DN32



Size : DN40~DN50



■ SPECIFICATION

Connection : Screwed End (Standard PT, Order Specification NPT)

Max. pressure : 30kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

Flapper type sight glass can check the state of fluid flow by opening and closing of the flapper.

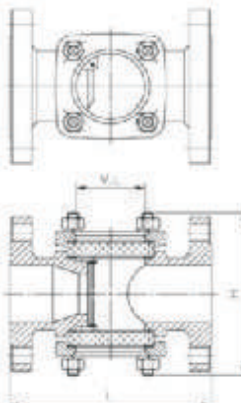
This type is available on the achromatic colored fluid, such as air, oxygen, etc.

MODEL : JSG-F1F

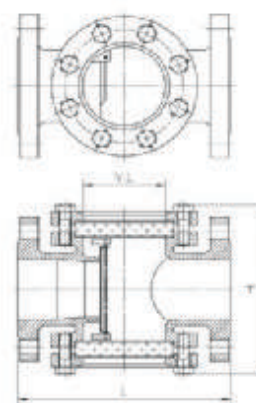
■ DIMENSION

SIZE	L	VL	H (Approx.)
DN15 (1/2")	150	40	125
DN20 (3/4")	150	40	125
DN25 (1")	170	40	125
DN32 (1 1/4")	170	40	125
DN40 (1 1/2")	200	60	155
DN50 (2")	220	75	175
DN65 (2 1/2")	220	75	185
DN80 (3")	270	105	224
DN100 (4")	320	130	254
DN125 (5")	380	155	293
DN150 (6")	420	200	332
DN200 (8")	500	265	400

Size : DN15~DN65



Size : DN80~DN200



■ SPECIFICATION

Connection : Flanged End

Max. pressure : 40kgf/cm²

Max. Temperature : 450°C

Material : Glass - Tempered Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

Flapper type sight glass can check the state of fluid flow by opening and closing of the flapper.

This type is available on the achromatic colored fluid, such as air, oxygen, etc.

LANTERN SIGHT GLASS

MODEL : JSG-F2LP

DIMENSION

SIZE	L	V.L	D	d
DN15 (1/2")	240	75	30	20
DN20 (3/4")	240	75	35	22
DN25 (1")	240	75	45	30
DN32 (1 1/4")	240	75	54	35
DN40 (1 1/2")	240	75	62	44
DN50 (2")	240	75	73	54
DN65 (2 1/2")	240	75	89	65
DN80 (3")	240	75	104	84
DN100 (4")	280	75	130	104
DN125 (5")	280	75	160	132
DN150 (6")	280	75	186	158
DN200 (8")	280	75	238	208
DN250 (10")	280	75	288	258
DN300 (12")	280	75	338	308

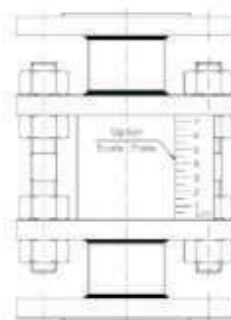
SPECIFICATION

Connection : Flanged End
 Max. pressure : 10kgf/cm²
 Max. Temperature : 150℃
 Material : Glass - Tempered
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials

STANDARD(표준)



OPTION : Scale Plate



Lantern glass type is used for the low pressure, and can check the state of fluid flow from any direction.

This lantern type sight glass is suitable for observing fluids, such as grain, powder & high dense fluids.

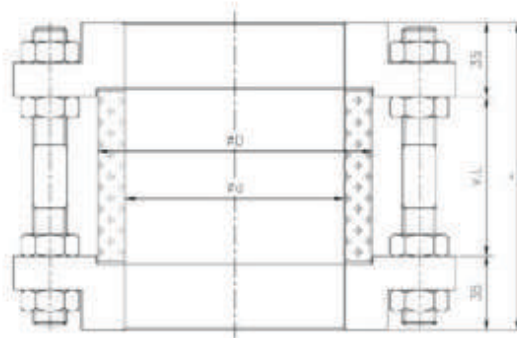
MODEL : JSG-F2LF

DIMENSION

SIZE	L	V.L	D	d
DN15 (1/2")	145	75	30	20
DN20 (3/4")	145	75	35	22
DN25 (1")	145	75	45	30
DN32 (1 1/4")	145	75	54	35
DN40 (1 1/2")	145	75	62	44
DN50 (2")	145	75	73	54
DN65 (2 1/2")	145	75	89	65
DN80 (3")	145	75	104	84
DN100 (4")	145	75	130	104
DN125 (5")	145	75	160	132
DN150 (6")	145	75	186	158
DN200 (8")	145	75	238	208
DN250 (10")	145	75	288	258
DN300 (12")	145	75	338	308

SPECIFICATION

Connection : Flanged End
 Max. pressure : 10kgf/cm²
 Max. Temperature : 150℃
 Material : Glass - Tempered
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials



Lantern glass type is used for the low pressure, and can check the state of fluid flow from any direction.

This lantern type sight glass is suitable for observing fluids, such as grain, powder & high dense fluids.

SIDE TYPE SIGHT GLASS

MODEL : JSG-F3SR

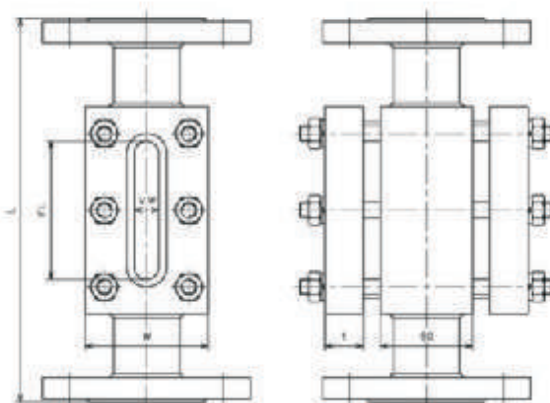
■ DIMENSION

SIZE	L	V.L	W	V.W	t
DN15 (1/2")	250	90	80	16	25
DN20 (3/4")	250	90	80	16	25
DN25 (1")	250	90	80	16	25
DN32 (1 1/4")	250	90	80	16	25
DN40 (1 1/2")	250	90	80	16	25
DN50 (2")	250	90	80	16	25

■ SPECIFICATION

Connection : Flanged End
 Max. pressure : 100kgf/cm²
 Max. Temperature : 450℃
 Material : Glass - Borosilicate
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials

This type is used in high temperature and high pressure.



MODEL : JSG-F3SP

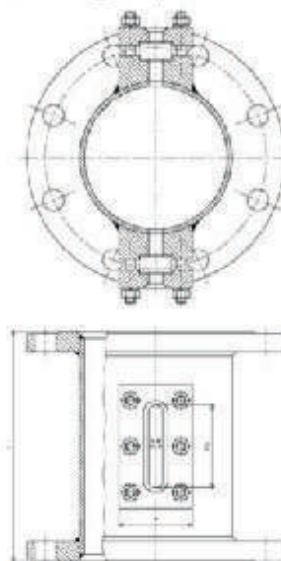
■ DIMENSION

SIZE	L			V.L	W	V.W
	150#	300#	600#			
DN40 (1 1/2")	230	240	260	90	80	16
DN50 (2")	230	240	260	90	80	16
DN65 (2 1/2")	240	250	270	90	80	16
DN80 (3")	270	280	300	90	80	16
DN100 (4")	270	290	320	90	80	16
DN125 (5")	280	300	330	90	80	16
DN150 (6")	280	300	340	90	80	16
DN200 (8")	300	320	360	90	80	16
DN250 (10")	300	320	380	90	80	16
DN300 (12")	320	340	400	90	80	16
DN350 (14")	320	340	400	90	80	16

■ SPECIFICATION

Connection : Flanged End
 Max. pressure : 100kgf/cm²
 Max. Temperature : 450℃
 Material : Glass - Borosilicate
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials

This type is used in high temperature and high pressure.

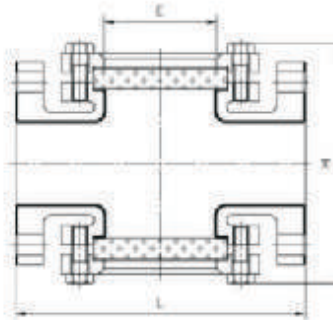


LINED TYPE SIGHT GLASS

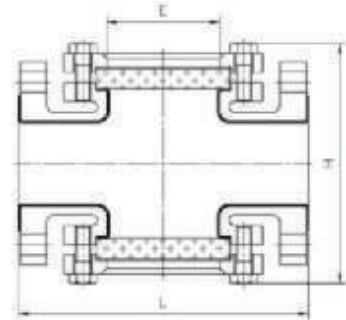
MODEL : JSG-F4L

■ DIMENSION

SIZE	L	E	H (Approx.)
DN1 5 (1/2")	150	40	125
DN2 0 (3/4")	150	40	125
DN2 5 (1")	170	40	125
DN3 2 (1 1/4")	170	40	125
DN4 0 (1 1/2")	200	60	155
DN5 0 (2")	230	75	175
DN6 5 (2 1/2")	230	75	185
DN8 0 (3")	270	105	224
DN1 00 (4")	330	130	254
DN1 25 (5")	380	155	293
DN1 50 (6")	430	200	332
DN2 00 (8")	500	235	400



Flat Face Type



Raised Face Type

■ SPECIFICATION

Connection : Flanged End
Max. pressure : 20kgf/cm²
Max. Temperature : 200°C

Material : Glass - Tempered
Body - Carbon Steel
- Stainless Steel
- or Other materials

Lining : ETFE, PVC, PP, RUBBER, etc.
Lining Thickness Standard : 2mm
※The thickness of the lining changes to customer requirements.

JACKET TYPE SIGHT GLASS

MODEL : JSG-F4J

■ DIMENSION

SIZE	L	E	A	B	C	D	H (Approx.)
DN20 (3/4")	210	25	3/4"	1 1/2"	110	50	210
DN25 (1")	210	40	1"	2"	115	50	220
DN40 (1 1/2")	260	50	1 1/2"	2 1/2"	130	55	260
DN50 (2")	280	70	2"	3"	140	60	270
DN65 (2 1/2")	300	75	2 1/2"	4"	160	65	300
DN80 (3")	320	105	3"	5"	175	65	335
DN100 (4")	390	130	4"	6"	195	70	385
DN125 (5")	440	155	5"	8"	225	75	440
DN150 (6")	520	200	6"	10"	255	80	490
DN200 (8")	590	255	8"	12"	295	85	550

※ Dimensions can be changed according to customer's requirements.
(고객의 요구에 의해 차수 변경 가능)

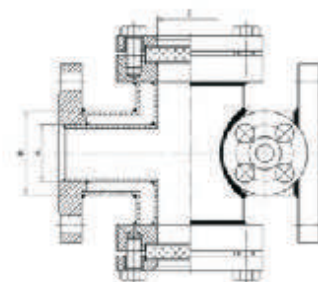
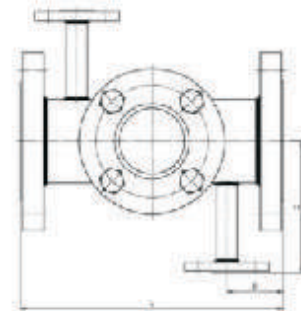
■ SPECIFICATION

Connection : Flanged End
Max. pressure : 40kgf/cm²
Max. Temperature : 450°C

Material : Glass - Tempered
Body - Carbon Steel
- Stainless Steel
- or Other materials

This jacket type is used for observing the state of highly congested or ebullient liquid.

Flow of hot media and cold media
flow ebullient liquid
congested liquid through the jacket.
Jacket nozzle size standard : 1/2"



WIPER TYPE SIGHT GLASS

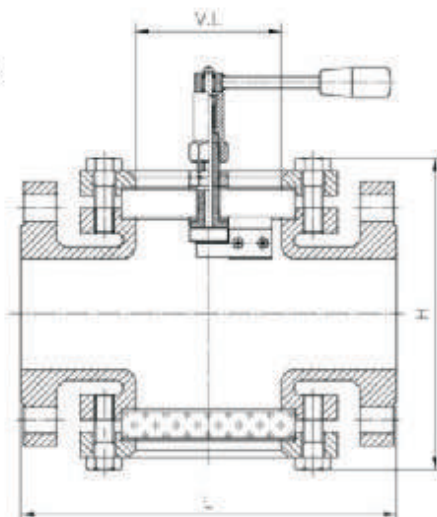
MODEL : JSG-F5WF

■ DIMENSION

SIZE	L	VL	H (Approx.)
DN1 5 (1/2")	150	40	125
DN2 0 (3/4")	150	40	125
DN2 5 (1")	170	40	125
DN3 2 (1 1/4")	170	40	125
DN4 0 (1 1/2")	200	60	155
DN5 0 (2")	220	75	175
DN6 5 (2 1/2")	220	75	185
DN8 0 (3")	270	105	224
DN1 00 (4")	330	130	254
DN1 25 (5")	380	155	293
DN1 50 (6")	420	200	332
DN2 00 (8")	500	265	400

This wiper type is used for observing the fluid by clearing any slag or dust.

It is easy to clean without disassembling the sight glass continuously inside the glass.



■ SPECIFICATION

Connection : Flanged End
 Max. pressure : 3 kgf/cm²g
 Max. Temperature : 200°C
 Material : Glass - Tempered
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials

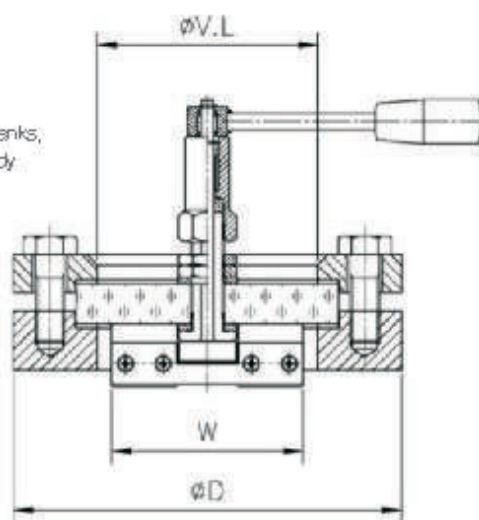
MODEL : JSG-F5WW

■ DIMENSION

TYPE	D	V.L	W
F5WW-100	195	100	90
F5WW-130	250	130	120
F5WW-160	280	160	150
F5WW-200	330	200	190
F5WW-250	400	250	240
F5WW-300	445	300	290
F5WW-320	460	320	310
F5WW-350	460	350	340

This wiper type is used for observing the fluid by cleaning any slag or dust.

Welded directly to the storage tanks, towers, vessel or large pipe body of this type.



■ SPECIFICATION

Connection : Directly Weld
 Max. pressure : 3 kgf/cm²g
 Max. Temperature : 200°C
 Material : Glass - Tempered
 Body - Carbon Steel
 - Stainless Steel
 - or Other materials

WELDING PAD TYPE SIGHT GLASS

MODEL : JSG-W1E

■ DIMENSION

Unit : mm

L	VL	VW	Glass Thickness	
			10kgf/cm ²	20kgf/cm ²
100~800	L-80	50	15	19

The increase or decrease of fluid in the tank can be directly monitored without the time difference.
A contoured surface in accordance with the attaching portion R can be processed.

Material selection is possible according to the conditions and the environment.

■ SPECIFICATION

Connection : Directly Weld

Max. pressure : 20kgf/cm²

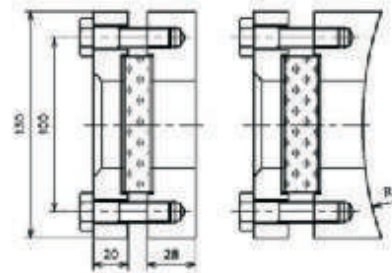
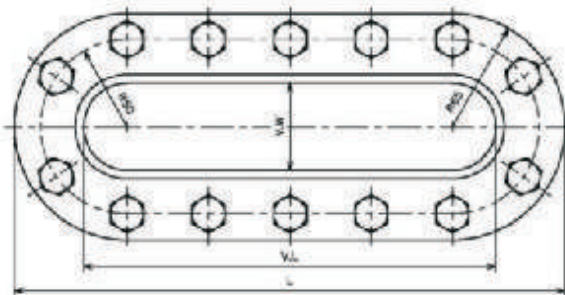
Max. Temperature : 300°C

Material : Glass - Tempered, Pyrex

Material : Body - Carbon Steel

Material : Body - Stainless Steel

Material : Body - or Other materials



MODEL : JSG-W1C

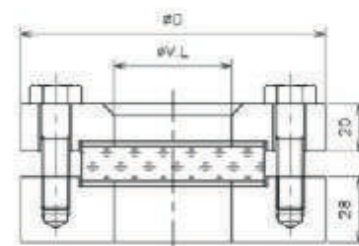
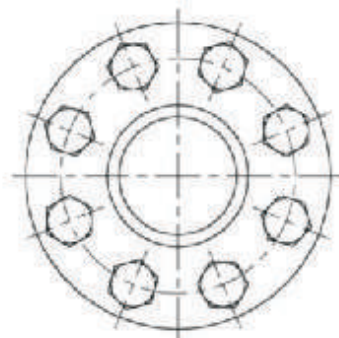
■ DIMENSION

SIZE	D	V.L
DN40 (1 1/2")	DN40 OUT DIA.	Pipe Out Dia.
DN50 (2")	DN50 OUT DIA.	Pipe Out Dia.
DN65 (2 1/2")	DN65 OUT DIA.	Pipe Out Dia.
DN80 (3")	DN80 OUT DIA.	Pipe Out Dia.
DN100 (4")	DN100 OUT DIA.	Pipe Out Dia.
DN125 (5")	DN125 OUT DIA.	Pipe Out Dia.
DN150 (6")	DN150 OUT DIA.	Pipe Out Dia.
DN200 (8")	DN200 OUT DIA.	Pipe Out Dia.
DN250 (10")	DN250 OUT DIA.	Pipe Out Dia.
DN300 (12")	DN300 OUT DIA.	Pipe Out Dia.
DN350 (14")	DN350 OUT DIA.	Pipe Out Dia.
DN400 (16")	DN400 OUT DIA.	Pipe Out Dia.
DN450 (18")	DN450 OUT DIA.	Pipe Out Dia.
DN500 (20")	DN500 OUT DIA.	Pipe Out Dia.

The increase or decrease of fluid in the tank can be directly monitored without the time difference.

A contoured surface in accordance with the attaching portion R can be processed.

Material selection is possible according to the conditions and the environment.



■ SPECIFICATION

Connection : Directly Weld

Max. pressure : 20kgf/cm²

Max. Temperature : 300°C

Material : Glass - Tempered, Pyrex

Body - Carbon Steel

- Stainless Steel

- or Other materials

GLASS of THE SIGHT GLASS TYPE

- Sight glass provides the function to easily check the colors of the product and check flow direction of the fluid.

사이트 글라스는 유체의 흐름 방향과 제품의 색상을 쉽게 확인할 수 있는 기능을 제공한다.

- Glass types and scope of application

유리 종류 및 적용 범위

Glass Type	Characteristic	Thermal expansion coefficient	Temperature (Max.)	Thickness (mm)
Tempered Glass 강화 유리	Internal pressure High pressure	8.5×10^{-6}	150℃~200℃	3/5/6/8/10/12/ 15/19
Pyrex (Borosilicate) Germany SCHOTT products	Heat-resistant Low thermal expansion Chemical Resistance	3.3×10^{-6}	450℃	2, 2.2/3, 3.5/7.5/ 11/15/19/25.4
Robax 세라믹 유리 Germany SCHOTT products	Heat-resistant Low thermal expansion	$(0.0 \sim 0.5) \times 10^{-6}$	750℃	3/4/5
Quartz Glass 석영 유리	Heat-resistant Used in high-temperature UV transmission	5.5×10^{-7}	1200℃	Order Specification

- Other specification

기타 사양

- Robax 로박스
Max. Pressure 최고 사용 압력 : 0kgf/cm²g
- Aluminosilicate 알루미늄 실리케이트
Max. Pressure 최고 사용 압력 : 210kgf/cm²g
Max. Temperature 최고 사용 온도 : 375℃
- Mica 마이카
Max. Pressure 최고 사용 압력 : 200kgf/cm²g
Max. Temperature 최고 사용 온도 : 700℃
Thickness 두께 : 0.15mm / 0.2mm
- Gasket Materials 가스켓 재질
PTFE, NON-ASBESTOS, GRAPHITE

- Glass and mica, gaskets
can be sold separately

유리 및 마이카, 가스켓 별도 판매 가능



JSV 정 석 밸브
JEONG SEOK VALVE

HEAD OFFICE
22, Maehwa-ro 116beon-gil Siheung-si, Gyeonggi-do
429-815, Rep. of KOREA

TEL : 031) 312-9114
FAX : 031) 312-9115
E-MAIL : 2015jsv@naver.com

※ 대리점 모집합니다.