



ISO 9001:2015



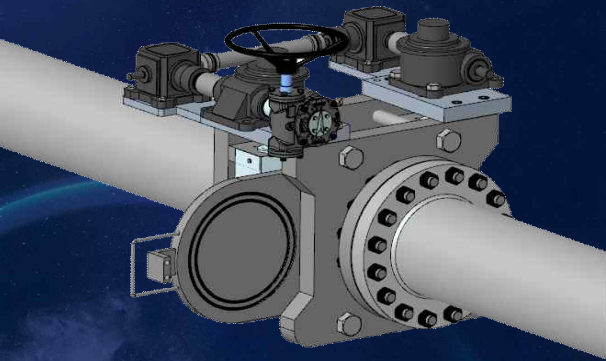
ISO 14001:2015



ISO 45001:2018

LINE BLIND VALVE (GOGGLE VALVE)

요청사항
1페이지 번호 기재



SINCE 1997 MACHINERY TECHNOLOGY SOLUTIONS CO.,LTD
E-MAIL : mts@mts98.co.kr <http://www.mts98.co.kr>
CONTROL VALVE, MANUAL VALVE, DAMPER, SPECIAL VALVE

MACHINERY TECHNOLOGY SOLUTIONS

DO ONE'S BEST TOP QUALITY CUSTOMER SATISFACTION

MACHINERY TECHNOLOGY
SOLUTIONS CO., LTD

PRESIDENT M.G.AN



MTS Co.,Ltd.(Machinery Technology Solutions) was established in 1997 and have grown up as one of the leading manufacturers for valve products include gate valve, globe valve, check valve, ball valve, butterfly valve, plug valve, pneumatic actuator & electric actuators etc.. in Korea through new ideas and accumulated know-how in the field of valve products.

In the year 2004, our company passed the ISO9001:2000 quality assurance system and appraised as "Management Renovation Company" by Small and Medium Business Administration of government. The company now functions developing, producing, Assembling, sale and after-service as one concerted mechanism and is specialized in manufacturing valves.

Our all employees of our company have new resolution and will dedicate themselves to supply best quality products as prompt delivery. The technical staff of MTS makes qualified products capable of agreat flexibility and permits to satisfy special kinds of requires.

Competence, Availability and Kindness are some of the most important qualities that characterise the relationship with customers.

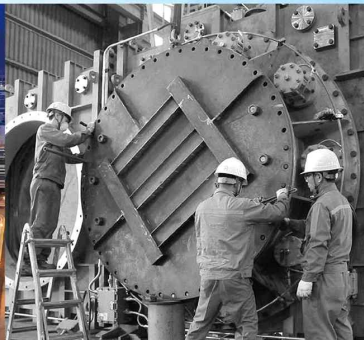
CERTIFICATES



HISTORY

We, the MTS Co., Ltd., will reward our customers' trust and support based on outstanding technology.

- 2000.07** MADE A CONTRACT WITH POSCO GWANGYANG FOR THE MAIN SUPPLIER OF SEMI-AUTO VALVE COMPUTERIZATION WITH MMS(MATERIAL MANAGEMENT SYSTEM)
- 2001.07** MADE A CONTRACT WITH POSCO GWANGYANG FOR THE MAIN SUPPLIERS OF CONTROL VALVE
- 2002.01** ENTERPRISE REGISTRATION OF POWER PLANT & MATERIAL CORPORATION SUPPLIER FOR POSCO CO.,LTD
- 2005.03** ESTABLISHED MTS CO.,LTD AS A POWER PLANT SUPPLIER
- 2005.04** ENTERPRISE REGISTRATION OF HYUNDAI HYSCO
- 2005.07** ENTERPRISE REGISTRATION OF POSMEC
- 2006.06** OBTAINED THE LICENSE OF POWER PLANT CONSTRUCTION CLOSING MTS AS A INVESTOR & CONVERTED TO MTS CO.,LTD
- 2007.11** ACQUIRED INNOVATION COMPANY OF MANAGEMENT FROM GWANGJU-JEONNAM SMBA
- 2008.06** ENTERPRISE REGISTRATION OF HYUNDAI STEEL CO.,LTD
- 2010.03** ESTABLISHED THE SECOND FACILITY (1694 TAEINDONG, GWANGYANG-CITY, JEONNAM, KOREA)
- 2010.05** ESTABLISHED THE BRANCH BUSINESS(THE BRANCH OF MTS CO.,LTD)
- 2010.06** THE SELECTION OF A PROMISING SMALL AND MEDIUM SIZED COMPANY
- 2011.11** OBTAINED CERTIFICATION FOR ISO 14001 : 2004
- 2011.11** BUILT AN EXTENSION FOR HEAD OFFICE (IN THE SITE OF YULCHON SANDAN I BLOCK)



- 2012.03 SELECTED FOR THE BEST BUSINESS PARTNER FOR POSCO E&C
- 2012.06 COMPLETION OF NEW FACTORY & HEAD OFFICE AND MOVED TO YULCHON INDUSTRIAL COMPLEX
- 2012.09 OBTAINED A CERTIFICATE OF ORIGIN FOR THE WASTE GAS VALVE BASED ON THE FTA BETWEEN KOREA AND EU
- 2013.04 RECOGNITION FOR THE LABORATORY OF MTS
- 2013.06 DESIGNATED A PROMISING OF EXPORT WITH MEDIUM AND SMALL-SIZED ENTERPRISES
- 2013.12 NOMINATED HIGH POTENTIAL ENTERPRISE OF GREEN MANAGEMENT (SMBA,KOREA)
- 2013.12 AWARDED MEDAL OF FIVE MILLION DOLLAR EXPORT & LETTER OF COMMENDATION OF MINISTRY OF TRADE, INDUSTRY & ENERGY
- 2014.11 AWARDED PRIME MINISTER COMMENDATION FOR EXCELLENCY ENTERPRISE OF CORPORATE PARTNERSHIP
- 2014.12 NOMINATED ENTERPRISE OF HUMAN RESOURCES DEVELOPMENT (SMBA,KOREA)
- 2015.03 OBTAINED CERTIFICATION OF DESIGN FOR BUTTERFLY VALVE DISC
- 2015.08 OBTAINED CERTIFICATION OF GOOD COMPANY FOR RISK ASSESSMENT BY KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY(KOSHA)
- 2015.09 OBTAINED PATENT OF COKE VALVE FOR COKES GAS
- 2015.10 NOMINATE SMALL AND MEDIUM-SIZED TECHNOLOGY INNOVATION (INNO-BIZ)
- 2015.11 DESIGNATED A PROMISING OF EXPORT WITH SMALL AND MIDDLE SIZED ENTERPRISES BY SMALL AND MEDIUM BUSINESS ADMINISTRATION(SMBA)
- 2015.12 OBTAINED PATENT OF BUTTERFLY TYPE WATER SEALING VALVE
- 2016.02 DESIGNATED "PURI" TECHNOLOGY INDUSTRY ON FEB.
- 2016.04 DESIGNATED "KISTI"'S FAMILY COOPERATION.
- 2016.10. REGISTERED THE DOUBLE SEALING TECHNOLOGY PATENT OF TANDEM LOUVER Damper.
- 2017.02. REGISTERED THE PATENT OF "HYDRAULIC POWER PACK".
- 2017.03. REGISTERED THE GATE VALVE PATENT OF "HYDRAULIC SEALING GOGGLE" TYPE.
- 2017.04. GREET CELEBRATION OF THE 20TH ANNIVERSARY OF THE FOUNDING.
2017. 12 DESIGNATED AS A EXPORT PROSPECTS CORPORATION (MINISTRY OF SMES AND STARTUPS)
2018. 02 JEOLLANAM-DO EXPORT COMPANY NOTICES (BRONZE MEDAL)
2018. 03 GLOBAL IP STAR COMPANY SELECTION (JEOLLANAM-DO KNOWLEDGE PROPERTY CENTER)
2018. 04 SELECTED FOR GLOBAL SMALL GIANT COMPANY (JNTP, JEOLLANAM-DO PROVINCE)
2018. 05 REGISTERED THE PATENT OF "POWDER REMOVAL STRUCTURE OF BUTTERFLY VALVE"
2018. 06 DESIGNATED AS KISTI FAMILY COMPANY
2018. 09 REGISTERED THE PATENT OF "DOOR SERVICE CAR FOR COKES OVEN"
2018. 01 MEMBERSHIP OF THE KNOWLEDGE SERVICE PLANT MINI-CLUSTER (YEOSU)
2019. 02 MEMBERSHIP OF JEOLLANAM-DO ECO-INDUSTRIAL DEVELOPMENT
2019. 03 REGISTERED THE PATENT OF "PLUG VALVE"
2019. 05 MEMBERSHIP OF JEOLLANAM-DO MACHINING INDUSTRY CORPORATE COUNCIL
2019. 06 OBTAINED CERTIFICATION OF DESIGN "BODY FOR BUTTERFLY VALVE"
2019. 07 OBTAINED CERTIFICATION OF DESIGN "FLUID CONTROL VALVE"
2019. 08 CERTIFICATE OF INTELLECTUAL PROPERTY MANAGEMENT ENTERPRISE
2020. 01 DESIGNATED AS "KICT FAMILY COMPANY" **내용 추가**
2020. 03 SECURED THE CERTIFICATION OF ISO 45001
1. 2021.12 기술혁신형 중소기업 (Inno-Biz) 지정
2. 2021.12 제59회 무역의날 대통령 표창
3. 2022.05 글로벌IP스타기업 지정
4. 2022.09 수출유망중소기업 지정

REFERENCE

LOGO 변경 및 추가

1. 포스코건설 -> 포스코 e&c
2. 포스코ict -> 포스코 dx
3. 포스코엔지니어링 -> 포스코 인터내셔널
4. 해외 : ROZAI 로고 추가



DOMESTIC



OVERSEAS



MACHINERY TECHNOLOGY SOLUTIONS

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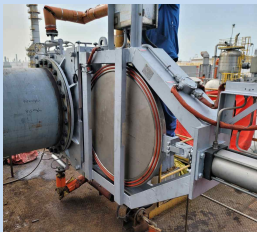
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FEATURES OF LINE BLIND VALVES



GENERAL SPECTACLE BLIND



MTS LINE BLIND

FEATURES OF MTS'S LINE BLIND

Traditional blind flanges and spectacle blinds require a lot of time, manpower and equipment to shut off pipes during plumbing repairs, maintenance or emergency situations.

However, MTS's line blinds can be disconnected or connected by a single operator in 2-5 minutes without the need for special tools or equipment.

A. LOW MAINTENANCE COST

No matter how many times you use it within the warranty period, the gaskets and bolts do not need to be replaced, saving you the cost of consumables for traditional plungers that need to be replaced after each use.

B. EASY & QUICK CHANGE

The in-house manipulator and the system can be replaced by one employee in less than 5 minutes with a simple operation.

C. HIGH RELIABILITY

Use proven manipulators to seal external leaks in pipework. This provides greater reliability than traditional fringe and spectacle blinds, which rely on aging bolts, nuts and gaskets to seal leaks. blinds, which rely on aging bolts, nuts and gaskets to seal leaks.

PRODUCT ITEMS

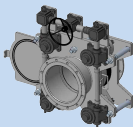


BALL SLIDE TYPE(BS)

Pressurization of the sheet is carried out by means of special heat-treated guide pins and balls.

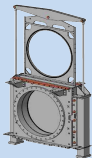
It is mainly used for small pipe diameters and is characterized by its compactness and lightness compared to other types. The seats are pressurized by gears or motors, and the blinds are opened and closed manually.

Due to its characteristics, it is mainly used in areas with low pressure and easy access for personnel.



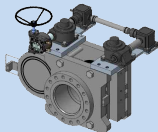
SCREW JACK TYPE(JS)

Pressurize the seat with a screw jack connected to the miter gear/bevel gear. It is applicable to larger sizes including ball joint type. The pressurization of the sheet is done by gears or motors, and the opening and closing of the blinds is done manually or automatically by motors, cylinders, etc. The automatic type can be installed in areas that are inaccessible to personnel or toxic gas lines.



HYDRAULIC SLIDE TYPE(HS)

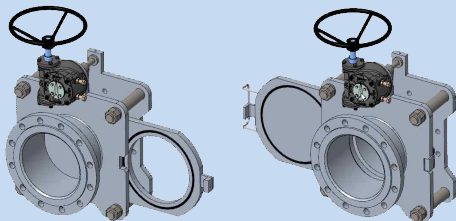
The seat is pressurized by a hydraulic cylinder. It is applicable to larger sizes including ball joint type. Hydraulic pressure is used to pressurize the sheet, and the blinds can be opened and closed manually or automatically using motors, cylinders etc. The automatic type can be installed in areas that are inaccessible to personnel or toxic gas lines, and can be used for high-pressure lines.



RACK & PINION TYPE(RP)

Pressurize the seat section with a rack and pinion. It is applicable to larger sizes including ball joint type. Gears and motors are used to pressurize the sheet, and the blinds can be opened and closed manually or automatically using motors, cylinders etc. The automatic type can be installed on lines that are inaccessible to personnel or toxic gas lines, and can be used on lines with high temperature and high pressure.

BALL SLIDE TYPE



TECHNICAL SPECIFICATIONS

SIZE RANGE

ND 2"(50A)~ ND 40"(1000A)

END CONNECTION / PRESSURE RATING

ANSI/ASME CL150 ~ CL300 RF

KS/JIS 5K ~ 20K RF

EN PN6~PN20 RF

MATERIALS

BODY – CARBON STEEL, STAINLESS STEEL, ETC

BLIND - STAINLESS STEEL, ETC

SEAT, GASKET – NBR, EPDM, VITON, GRAPHITE, ETC

ALLOWABLE TEMPERATURE RANGE

-20 DEG.C ~ 200 DEG.C (Depending on the sealing material)

OPERATOR

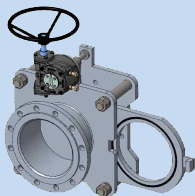
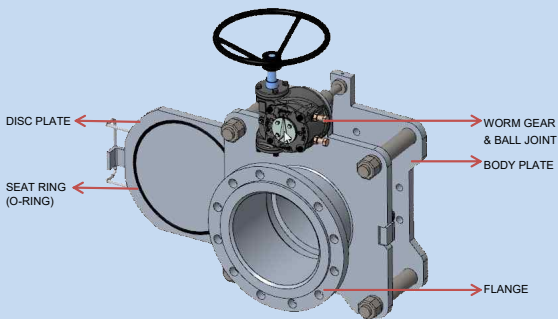
MANUAL WORM GEAR, MOTOR, HYDRAULIC, AIR CYLINDER

APPLICABLE FLUID

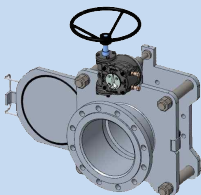
GAS (COG, BFG, LDG, FOG), DUST, STEAM, AIR , O2, H2, N2, OIL, TAIL GAS ETC.

"PLEASE CONTACT TECHNICAL SALES TEAM FOR OTHER SIZE, MATERIAL AND SPECIAL SPECIFICATION"

BALL SLIDE TYPE



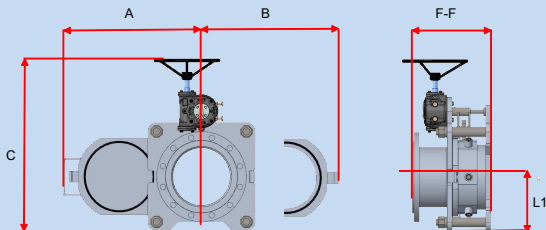
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Open

DIMENSION TABLE

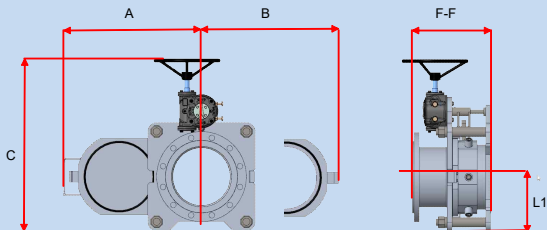
BALL SLIDE TYPE



(RATING : 10K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
1	25A	190	118	100	160	70	10
1 ½	32A	210	120	110	180	80	15
1 ½	40A	210	120	110	190	80	18
2	50A	230	166	150	230	100	24
2 ½	65A	240	181	170	270	110	27
3	80A	270	214	200	290	120	35
4	100A	280	250	230	330	140	40
5	125A	320	300	270	360	160	49
6	150A	320	334	310	400	180	80
8	200A	340	415	380	460	210	122
10	250A	370	500	470	660	300	203
12	300A	410	582	550	700	310	308
14	350A	450	645	615	780	360	420
16	400A	500	724	894	920	410	584
18	450A	540	804	770	1020	470	780
20	500A	660	930	890	1100	510	975
22	550A	700	1000	965	1290	600	1100
24	600A	720	1112	1070	1310	610	1230
26	650A	740	1200	1160	1380	640	1300

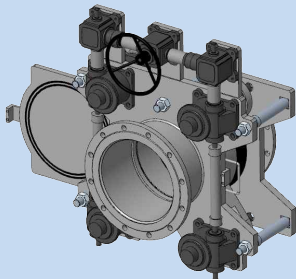
BALL SLIDE TYPE



(RATING : 20K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
1	25A	230	118	100	160	70	13
1 ½	32A	230	120	110	180	80	20
1 ½	40A	230	120	110	190	80	24
2	50A	230	166	150	230	100	32
2 ½	65A	240	181	170	270	110	36
3	80A	270	214	200	290	120	45
4	100A	280	250	230	330	140	52
5	125A	320	300	270	360	160	64
6	150A	320	334	310	400	180	105
8	200A	340	415	380	460	210	159

SCREW JACK TYPE



TECHNICAL SPECIFICATIONS

SIZE RANGE

ND 16"(400A)~ ND 80"(2000A)

END CONNECTION / PRESSURE RATING

ANSI/ASME CL150 ~ CL300 RF

KS/JIS 5K ~ 20K RF

EN PN6~PN20 RF

MATERIALS

BODY – CARBON STEEL, STAINLESS STEEL, ETC

BLIND - STAINLESS STEEL, ETC

SEAT, GASKET – NBR, EPDM, VITON, GRAPHITE, ETC

ALLOWABLE TEMPERATURE RANGE

-20 DEG.C ~ 250 DEG.C (Depending on the sealing material / Option for High-Temp.)

OPERATOR

CLAMPING/UN-CLAMPING : MANUAL WORM GEAR, MOTOR, MITTER GEAR

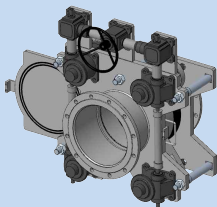
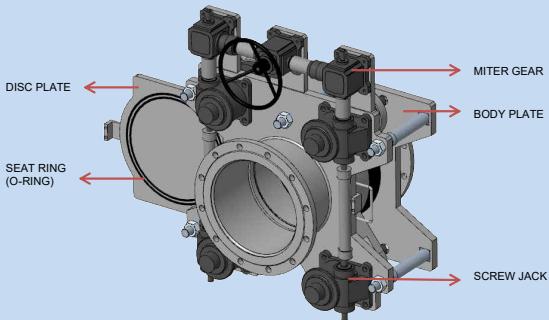
OPEN/CLOSE : MANUAL, MOTOR

APPLICABLE FLUID

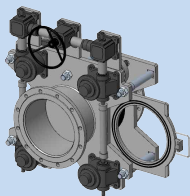
GAS (COG, BFG, LDG, FOG), DUST, STEAM, AIR , O₂, H₂, N₂, OIL, TAIL GAS ETC.

"PLEASE CONTACT TECHNICAL SALES TEAM FOR OTHER SIZE, MATERIAL AND SPECIAL SPECIFICATION"

SCREW JACK TYPE

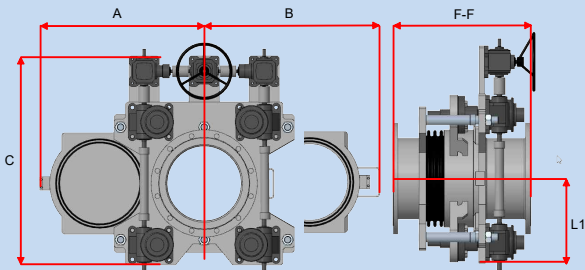


Open



Close

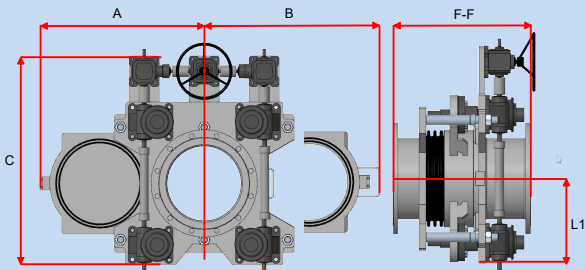
SCREW JACK TYPE



(RATING : 10K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
16	400A	600	750	800	700	430	500
18	450A	600	790	850	730	475	550
20	500A	600	900	950	760	500	600
22	550A	600	980	1070	790	540	650
24	600A	700	1130	1200	820	575	850
26	650A	700	1480	1530	850	600	1000
28	700A	800	1500	1550	880	625	1100
30	750A	800	1530	1580	890	645	1200
32	800A	800	1560	1590	920	670	1350
34	850A	800	1590	1640	950	695	1400
36	900A	900	1650	1700	980	730	1500
38	950A	900	1730	1780	1010	770	1600
40	1000A	900	1890	1940	1040	800	1800
42	1050A	900	2050	2100	1070	820	2000
44	1100A	1000	2100	2150	1090	830	2100

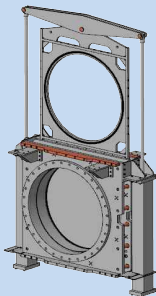
SCREW JACK TYPE



(RATING : 20K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
16	400A	700	750	800	700	430	700
18	450A	700	790	850	730	475	750
20	500A	700	900	950	760	500	800
22	550A	700	980	1070	790	540	850
24	600A	800	1130	1200	820	575	1100
26	650A	800	1480	1530	850	600	1300
28	700A	900	1500	1550	880	625	1350
30	750A	900	1530	1580	890	645	1440
32	800A	900	1560	1590	920	670	1620
34	850A	900	1590	1640	950	695	1680
36	900A	1000	1650	1700	980	730	1800
38	950A	1000	1730	1780	1010	770	1920
40	1000A	1000	1890	1940	1040	800	2070
42	1050A	1000	2050	2100	1070	820	2300
44	1100A	1100	2100	2150	1090	830	2420

HYDRAULIC SLDIE TYPE



TECHNICAL SPECIFICATIONS

SIZE RANGE

ND 16"(400A)~ ND 120"(3000A)

END CONNECTION / PRESSURE RATING

ANSI/ASME CL150 ~ CL900 RF

KS/JIS 5K ~ 100K RF

EN PN6~PN100 RF

MATERIALS

BODY – CARBON STEEL, STAINLESS STEEL, ETC

BLIND - STAINLESS STEEL, ETC

SEAT, GASKET – NBR, EPDM, VITON, GRAPHITE, ETC

ALLOWABLE TEMPERATURE RANGE

-20 DEG.C ~ 250 DEG.C (Depending on the sealing material / Option for High-Temp.)

OPERATOR

CLAMPING/UN-CLAMPING : HYDRAULIC CYLINDER

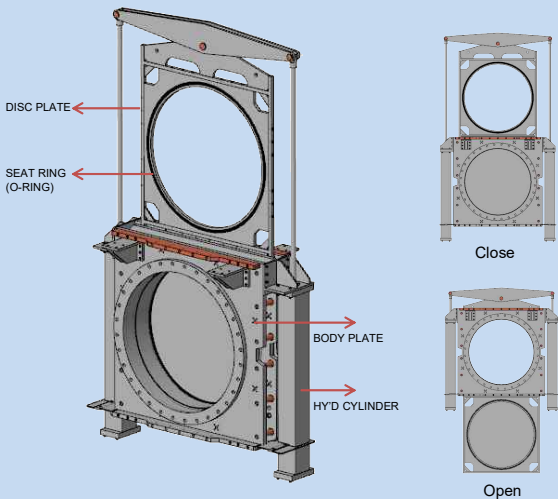
OPEN/CLOSE : MANUAL, MOTOR, PNEUMATIC CYLINDER

APPLICABLE FLUID

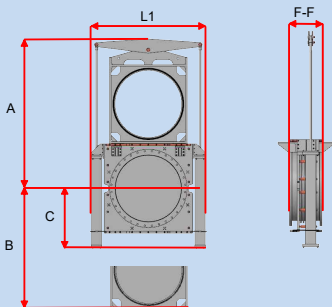
GAS (COG, BFG, LDG, FOG), DUST, STEAM, AIR , O2, H2, N2, OIL, TAIL GAS ETC.

"PLEASE CONTACT TECHNICAL SALES TEAM FOR OTHER SIZE, MATERIAL AND SPECIAL SPECIFICATION"

HYDRAULIC SLIDE TYPE



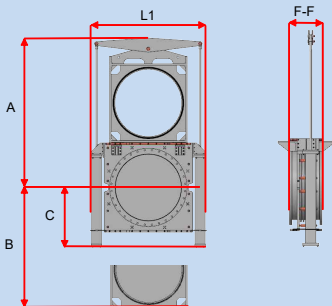
HYDRAULIC SLIDE TYPE



(RATING : 10K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
16	400A	600	950	1000	530	800	600
18	450A	600	990	1090	575	830	650
20	500A	600	1000	1100	600	860	700
22	550A	600	1080	1180	640	890	750
24	600A	700	1200	1300	675	920	950
26	650A	700	1680	1530	700	950	1100
28	700A	800	1700	1550	725	980	1200
30	750A	800	1730	1580	745	990	1300
32	800A	800	1760	1590	770	1020	1450
34	850A	800	1790	1640	795	1050	1500
36	900A	900	1850	1700	830	1180	1600
38	950A	900	1930	1780	870	1110	1700
40	1000A	900	2090	1940	900	1140	1950
42	1050A	900	2210	2100	920	1170	2200
44	1100A	1000	2300	2150	930	1190	2300

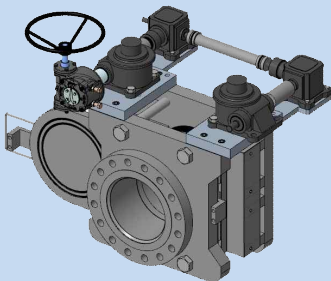
HYDRAULIC SLIDE TYPE



(RATING : 20K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						KG(NET)
16	400A	700	950	1000	530	800	780
18	450A	700	990	1090	575	830	850
20	500A	700	1000	1100	600	860	900
22	550A	700	1080	1180	640	890	950
24	600A	800	1200	1300	675	920	1100
26	650A	800	1680	1530	700	950	1270
28	700A	900	1700	1550	725	980	1400
30	750A	900	1730	1580	745	990	1495
32	800A	900	1760	1590	770	1020	1670
34	850A	900	1790	1640	795	1050	1725
36	900A	1000	1850	1700	830	1180	1840
38	950A	1000	1930	1780	870	1110	2000
40	1000A	1000	2090	1940	900	1140	2240
42	1050A	1000	2210	2100	920	1170	2530
44	1100A	1100	2300	2150	930	1190	2650

RACK & PINION TYPE



TECHNICAL SPECIFICATIONS

SIZE RANGE

ND 2"(50A)~ ND 48"(1200A)

END CONNECTION / PRESSURE RATING

ANSI/ASME CL150 ~ CL900 RF

KS/JIS 5K ~ 100K RF

EN PN6~PN100 RF

MATERIALS

BODY – CARBON STEEL, STAINLESS STEEL, ETC

BLIND - STAINLESS STEEL, ETC

SEAT, GASKET – NBR, EPDM, VITON, GRAPHITE, ETC

ALLOWABLE TEMPERATURE RANGE

-20 DEG.C ~ 650 DEG.C (Depending on the sealing material)

OPERATOR

CLAMPING/UN-CLAMPING : RACK & PINION

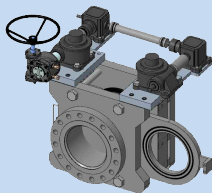
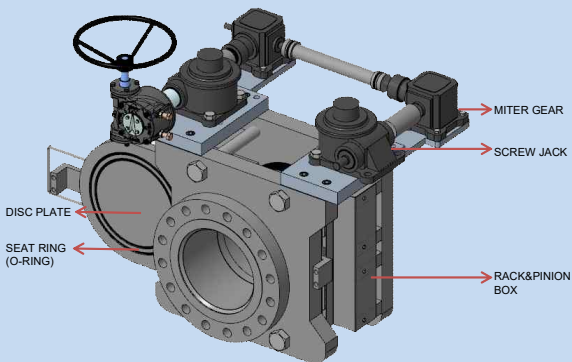
OPEN/CLOSE : MANUAL, MOTOR, PNEUMATIC CYLINDER

APPLICABLE FLUID

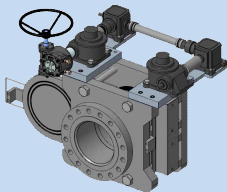
GAS (COG, BFG, LDG, FOG), DUST, STEAM, AIR , O2, H2, N2, OIL, TAIL GAS ETC.

"PLEASE CONTACT TECHNICAL SALES TEAM FOR OTHER SIZE, MATERIAL AND SPECIAL SPECIFICATION"

RACK & PINION TYPE



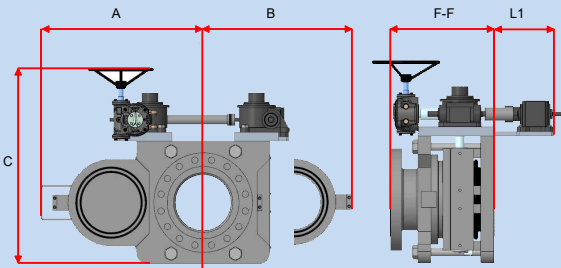
Close



Open

DIMENSION TABLE

RACK & PINION TYPE

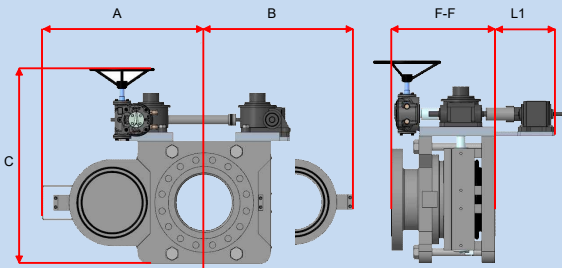


(RATING : 10K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(MET)
16	400A	450	750	800	650	200	500
18	450A	450	790	850	680	220	550
20	500A	450	900	950	710	220	600
22	550A	550	980	1070	740	220	650
24	600A	550	1130	1200	770	220	850
26	650A	550	1480	1530	800	260	1000
28	700A	650	1500	1550	830	260	1100
30	750A	700	1530	1580	840	260	1200
32	800A	750	1560	1590	870	260	1350
34	850A	850	1590	1640	900	260	1400
36	900A	850	1650	1700	930	260	1500
38	950A	850	1730	1780	960	260	1600
40	1000A	900	1890	1940	990	260	1800
42	1050A	900	2050	2100	1020	260	2000
44	1100A	1000	2100	2150	1040	260	2100

DIMENSION TABLE

RACK & PINION TYPE



(RATING : 20K / UNIT : mm)

SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(MET)
16	400A	550	750	800	650	200	600
18	450A	550	790	850	680	220	660
20	500A	550	900	950	710	220	720
22	550A	650	980	1070	740	220	780
24	600A	650	1130	1200	770	220	1020
26	650A	650	1480	1530	800	260	1150
28	700A	750	1500	1550	830	260	1270
30	750A	800	1530	1580	840	260	1400
32	800A	850	1560	1590	870	260	1550
34	850A	950	1590	1640	900	260	1620
36	900A	950	1650	1700	930	260	1730
38	950A	950	1730	1780	960	260	1840
40	1000A	1000	1890	1940	990	260	2050
42	1050A	1000	2050	2100	1020	260	2300
44	1100A	1100	2100	2150	1040	260	2430

ORDERING CHART

MTS 1 2 3 - 4 5 6 7 8 9 10

1. BODY SIZE		2. RATING		3. END CONN.		4. BODY MATERIAL		5. BLIND MATERIAL		6. SEAT TYPE		7. OPERATING		8. SEAT MATERIAL		9. SPACE TYPE	
CODE	SIZE(mm)	CODE	RATING	CODE	TYPE	CODE	MAT	CODE	MAT	CODE	TYPE	CODE	TYPE	CODE	MAT	CODE	TYPE
1	50	1	JIS/KS 10K	1	RF FLANGE	1	A572	1	A572	1	RUBBER	1	GEAR	E	EPDM	O	UNSEALING
2	65	2	JIS/KS 16K	2	FF FLANGE		SM400		SM400		O-RING		WORM	N	NBR	C	SEALING
3	80	3	JIS/KS 20K	3	LUG	2	A573	2	A573	2	METAL	2	GEAR	V	VITON	S	SPECIAL
4	100	4	JIS/KS 30K	4	WELDING		SM490		SM490		TOUCH		BEVEL	S	SILICON		
5	125	5	ANSI 150			3	A387	3	A387			3	MOTOR	B	BUINA-N		
6	150	6	ANSI 300				Gr.22		Gr.22				BASIC	P	PTFE		
7	200	7	PN10			4	STEN1	4	STEN1			4	MOTOR	Z	SPECIAL		
8	250	8	PN16										INTEGRAL				
9	300	9	PN20			5	STEN2	5	STEN2			5	MOTOR				
10	350	10	AWWA B										SPECIAL				
11	400	11	AWWA D			6	A36	6	A36			6	HYD				
12	450						SS400		SS400				CYLINDER				
13	500					7	A240 316	7	A240 316			7	PNEUMATIC				
14	550						SUS316		SUS316				CYLINDER				
15	600					8	A240 304	8	A240 304			8	SCREW				
16	650						SUS304		SUS304				JACK				
17	700					9	SPECIAL	9	SPECIAL			9	SPECIAL				
18	750																
19	800																
20	850																
21	900																
22	950																
23	1000																
24	1100																
25	1200																
26	1300																
27	1400																
28	1500																
29	1600																
30	1700																
31	1800																
32	1900																
33	2000																

10. VALVE TYPE	
CODE	TYPE
BS	BALL SLIDE
JS	JACK SCREW
HS	HYD' SLIDE
RP	RACK & PINION

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ENGINEERING



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HEAD OFFICE & FACTORY

66, Yulchonesandan 3-ro, Haeryong-myeon,
Suncheon-si, Jeollanam-do, Republic of KOREA (58035)
T. +82-61-763-7900 | F.+82-61-763-7909

DANGJIN DIVISION

883-57, Songsan-ro, Songsan-myeon, Dangjin-si, Chungcheongnam-do,
Republic of KOREA (31711)

POHANG DIVISION

Room2306, PLAT 107, 1235, Saecheonmyeon-daero, Buk-gu, Pohang-si,
Gyeongsangbuk-do, Republic of Korea (37584)

E-MAIL

mts @ mts98.co.kr