



GVK(BS)
GOGGLE VALVE
Total Engineering Solution Service

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Mission

기초에 근거하여 원천 기술을 살리고 원천 기술을
극대화하여 세계 중심에 서는 것

To stand at the centre of the world by
utilizing original technology based on the
foundation and maximizing original technology

Vision

우리는 옳은 일과 가치 있는 일에 주저함이 없이
최선을 다하고 실천하여 세계의 중심에 서자

Let us put ourselves at the center of the world by
doing our best and not hesitating to stand up for
what is right and worthy



GLOBAL VISION KOREA



Valve Product Service



GVK Limited, founded in June 2020 by a leader with 38 years of experience, focuses on R&D while ensuring quality, price, and functionality through domestic production. The company offers Process Valves, Valve Equipment, and Total Engineering services for industries such as Gas, Refining, Petroleum, Power generation, Environment, and Water treatment.

With a management team possessing 30-40 years of experience, GVK has developed numerous patents and adheres to quality standards like ISO 9001, 14001, 45001, and CE. Recognized for its advanced automatic control valves, GVK also supplies a range of Control Valves globally through OEM and ODM partnerships.

Although still in the early design and manufacturing stages, GVK has emerged as a leading company in Korea, equipped with skilled personnel and testing capabilities. The company aims to lower production costs, enhance efficiency, and improve quality while accumulating Hyper-Intelligence Valve Engineering (HIVE) technology. GVK Limited is committed to meeting customer needs with competitive pricing and high value-added services.

The Professional Provider of Automatic valve Actuators



Mutually Beneficial Relationships



To Be Your Best Partner



Twenty years experience "one stop" goods and services





BS SERIES

Goggle Valve

Total Engineering Solution Service



GVK / BS Series Goggle Valve

Contents

Series BS

- 04** Structural Features
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FEATURES OF LINE BLIND VALVES

PRODUCT ITEMS



GENERAL SPECTACLE BLIND



VMV LINE BLIND

FEATURES OF GVK'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

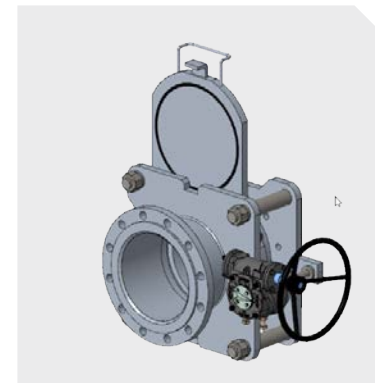
NO MATTER HOW MANY TIMES YOU USE IT WITHIN THE WARRANTY PERIOD, THE GASKETS AND BOLTS DO NOT NEED TO BE REPLACED, SAVING YOU THE COST OF CONSUMABLES FOR TRADITIONAL PLUNGERS THAT NEED TO BE REPLACED AFTER EACH USE.

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.

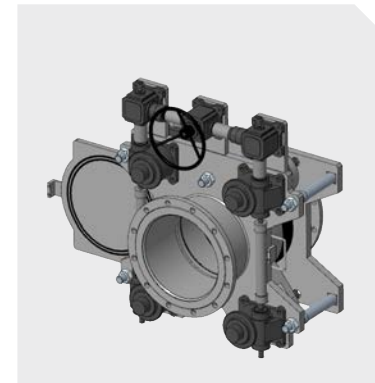
C HIGH
RELIABILITY

USE PROVEN MANIPULATORS TO SEAL EXTERNAL LEAKS IN PIPEWORK. THIS PROVIDES GREATER RELIABILITY THAN TRADITIONAL FLANGE AND SPECTACLE BLINDS, WHICH RELY ON AGING BOLTS, NUTS AND GASKETS TO SEAL LEAKS.



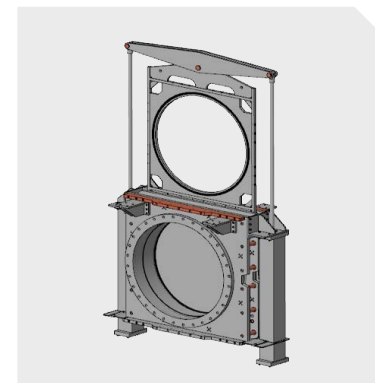
BALL SLIDE TYPE

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.



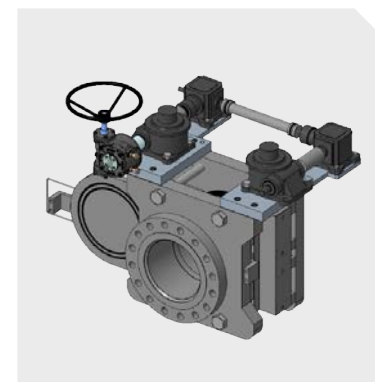
SCREW JACK TYPE

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

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.

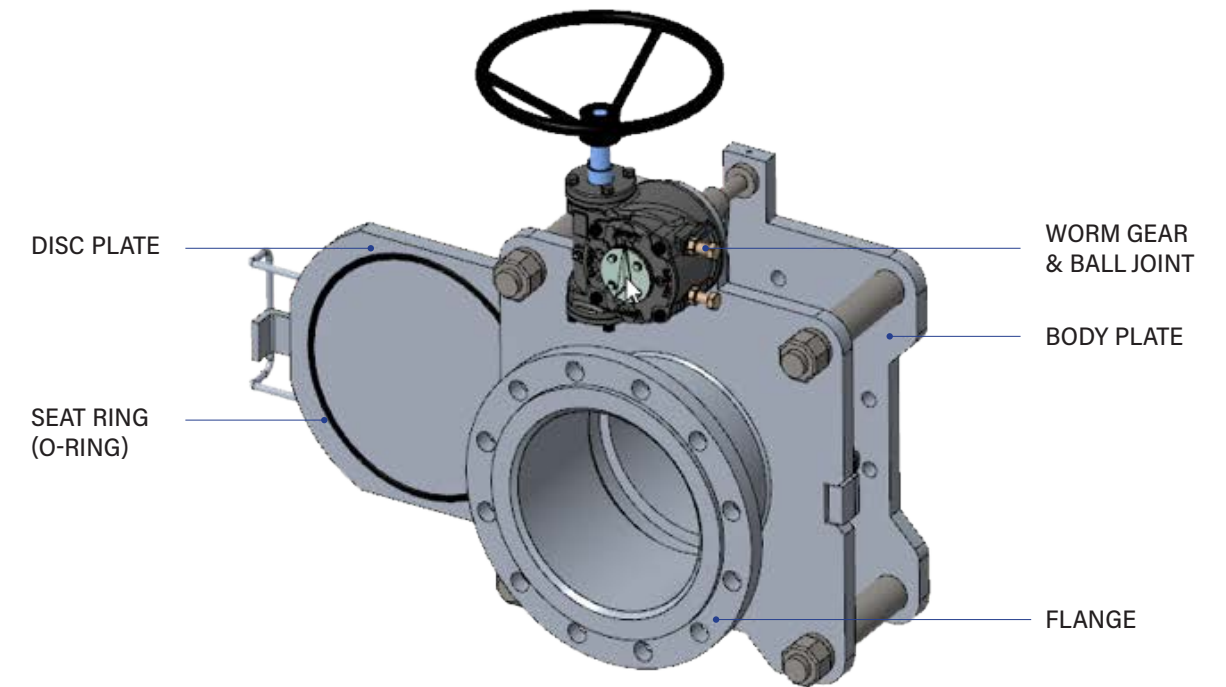
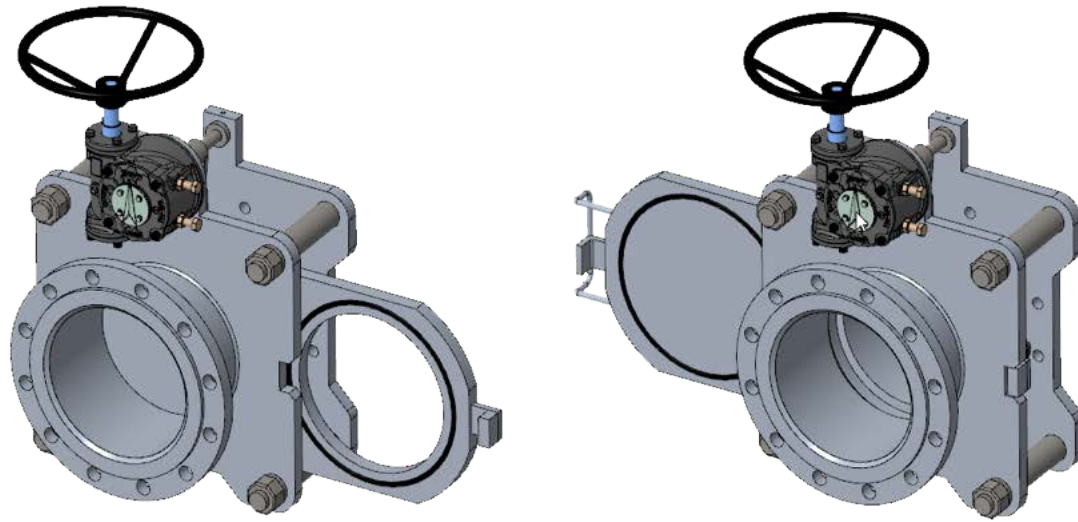


RACK&PINION TYPE

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

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**

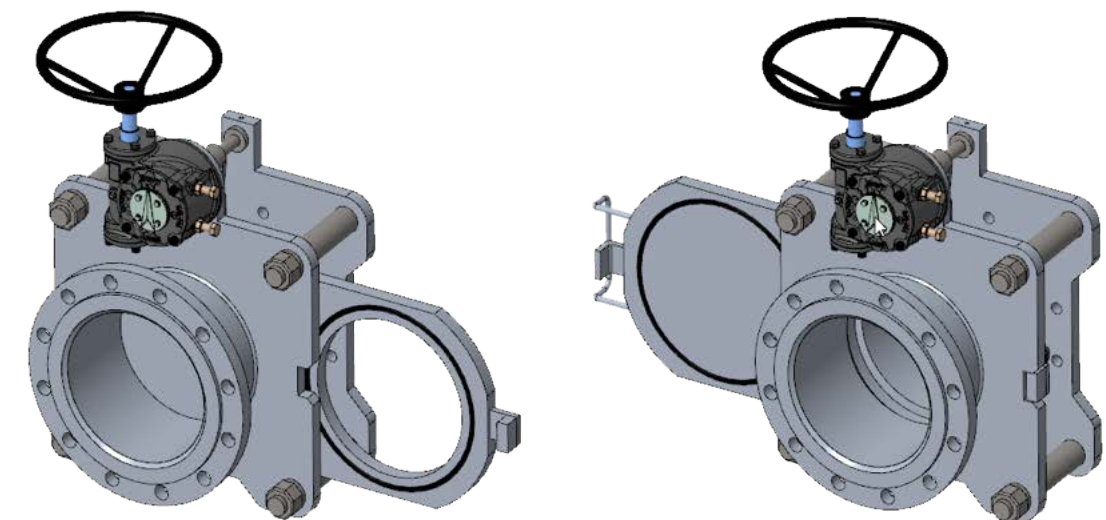
-20 DEG.C ~ 200 DEG.C (DEPENDING ON THE SEALING MATERIAL)

- **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.

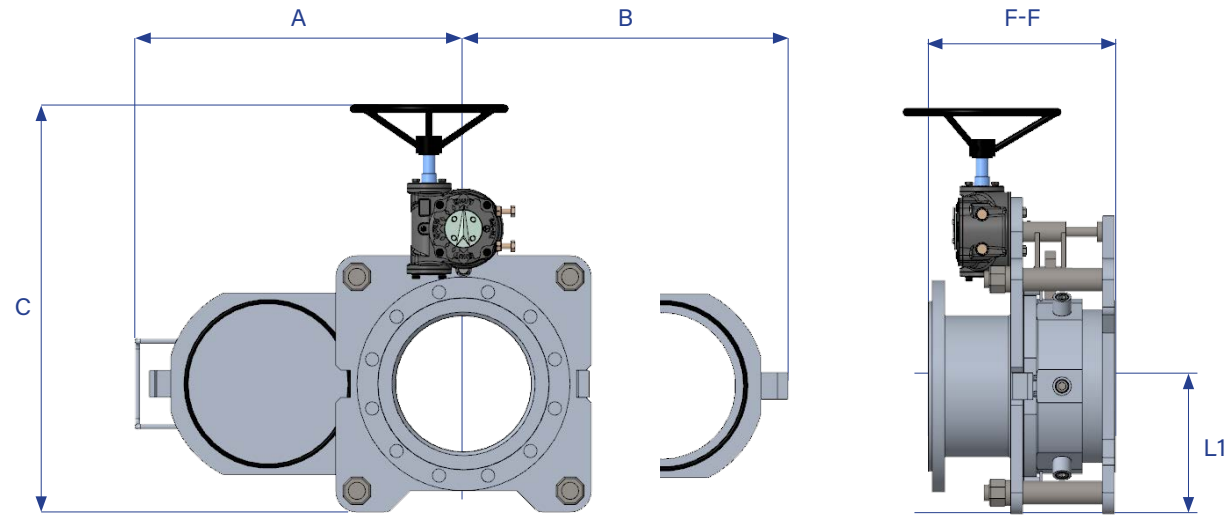


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OPEN

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

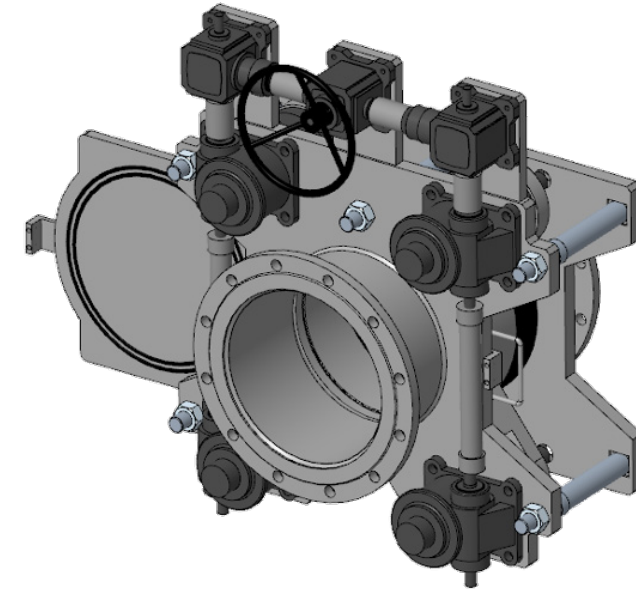
BALL SLIDE TYPE



(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 ¼	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	694	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

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

• ALLOABLE 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

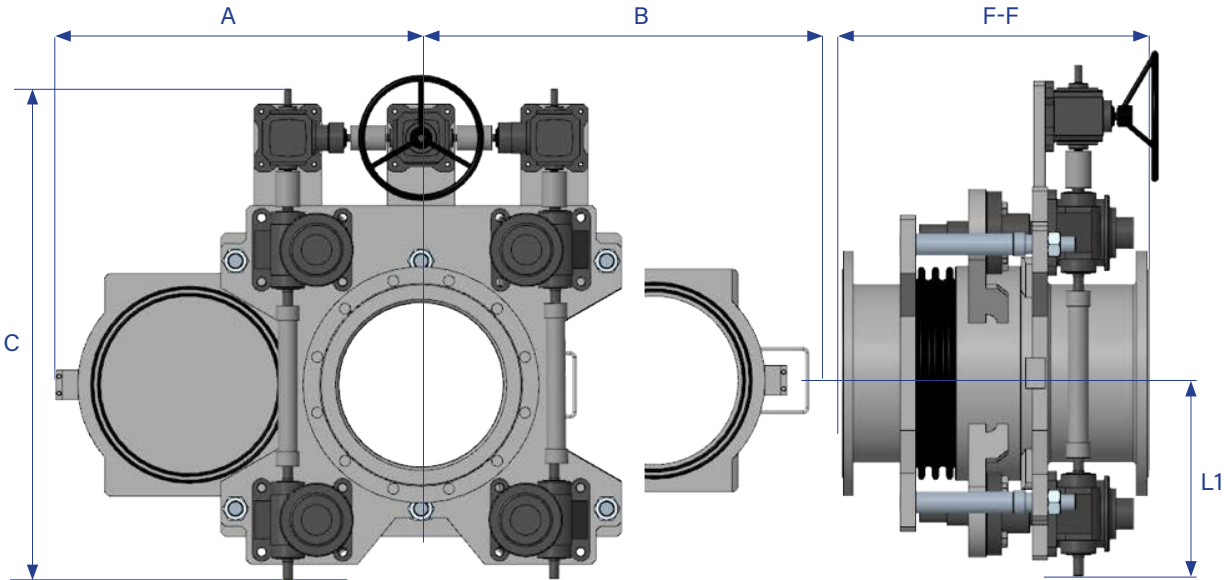
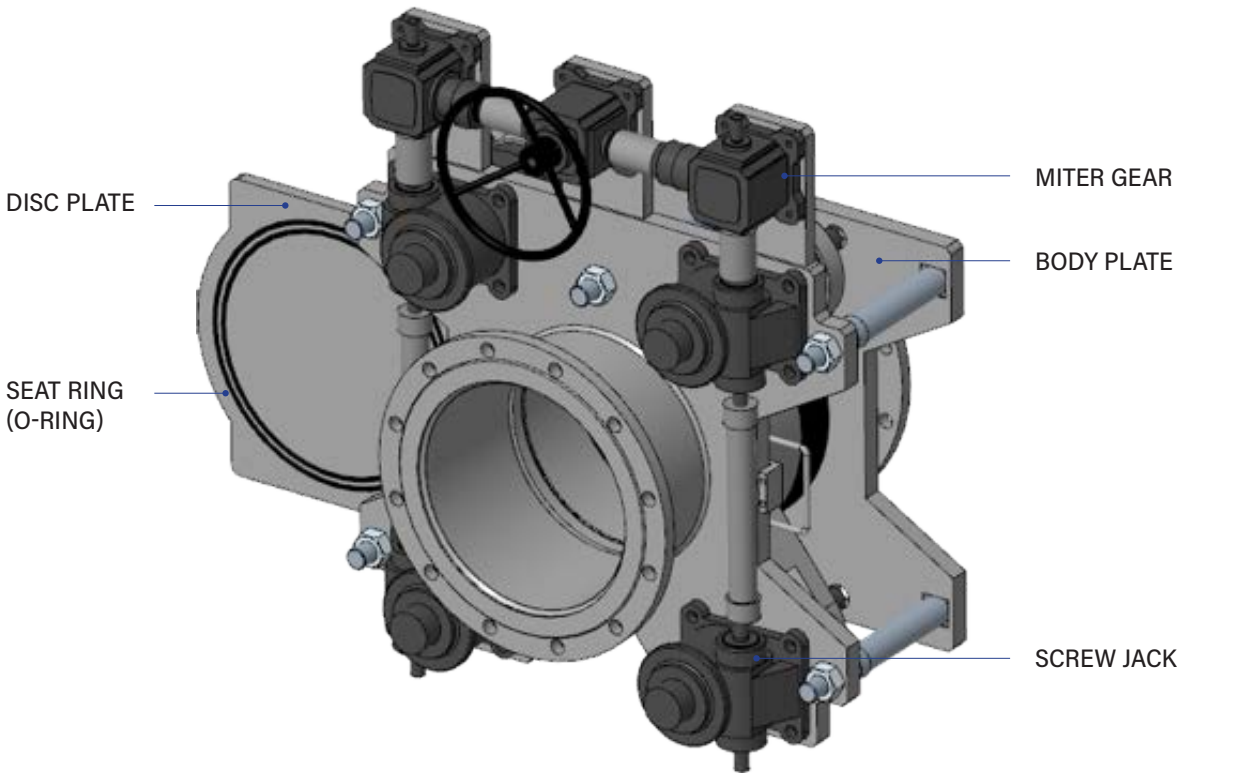
• APPLICABLE FLUID

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"

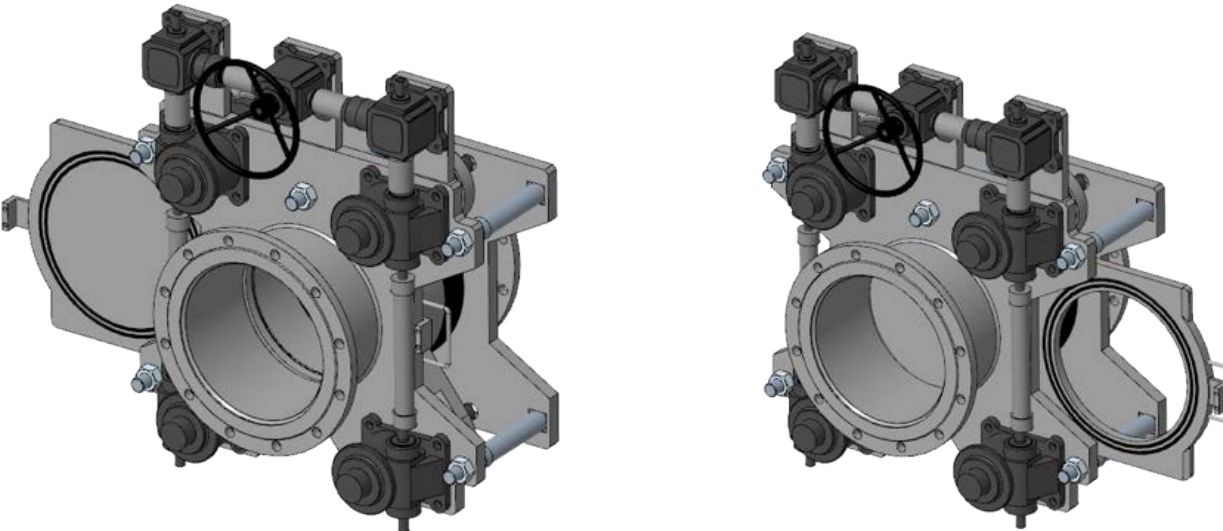
SCREW JACK TYPE

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

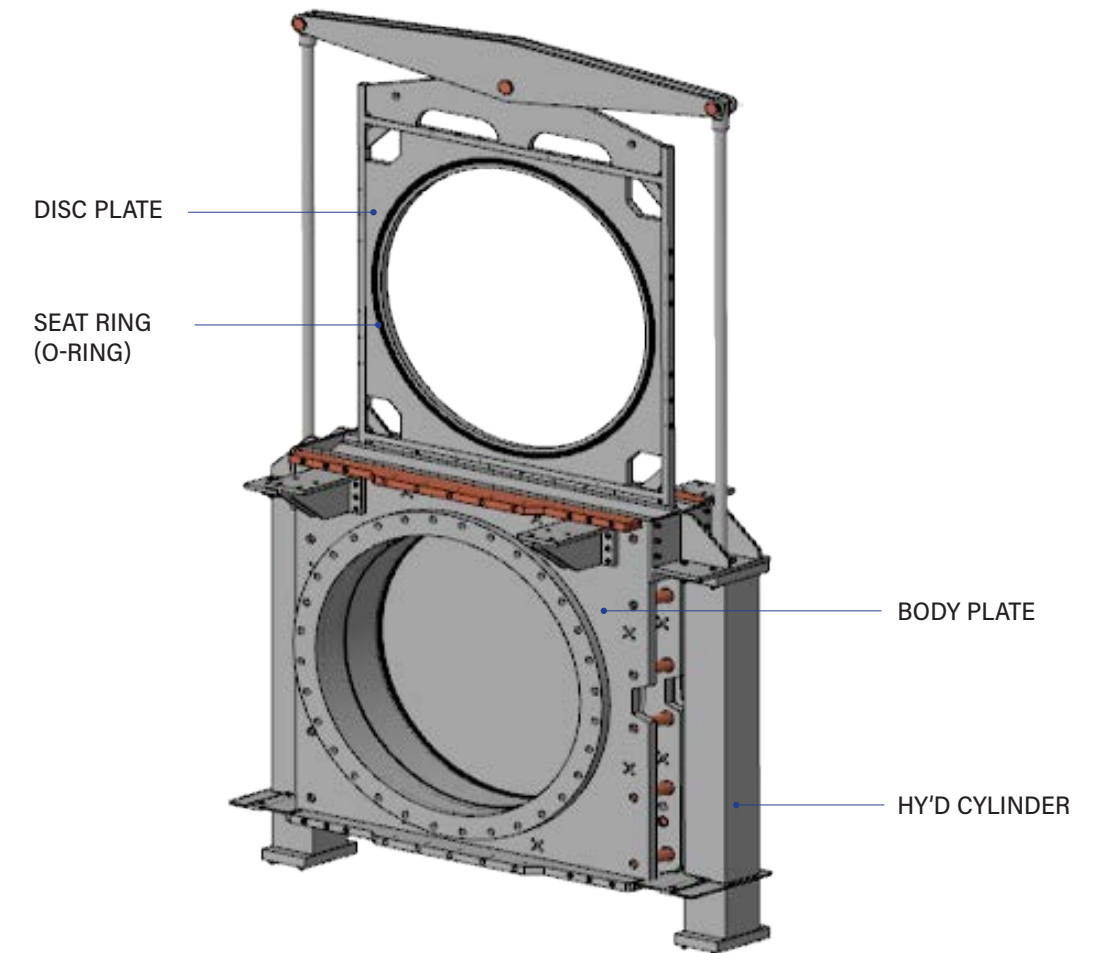
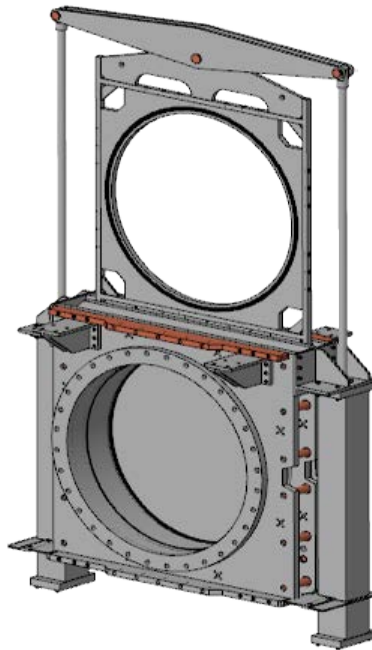


OPEN

CLOSE

FEATURES - HYDRAULIC SLIDE TYPE

PART DETAIL - HYDRAULIC SLIDE 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

• ALLOABLE TEMPERATURE RANGE

-20 DEG.C ~ 250 DEG.C (DEPENDING ON THE SEALING MATERIAL / OPTION FOR HIGH-TEMP.)

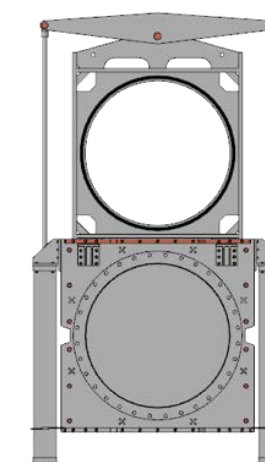
• OPERATOR

CLAMPING/UN-CLAMPING : HYDRAULIC CYLINDER

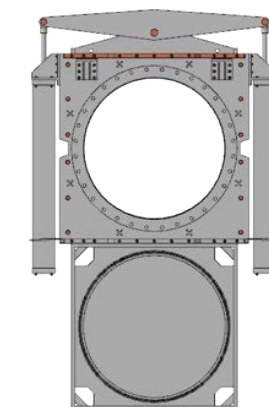
OPEN/CLOSE : MANUAL, MOTOR, PNEUMATIC CYLINDER

• APPLICABLE FLUID

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



CLOSE

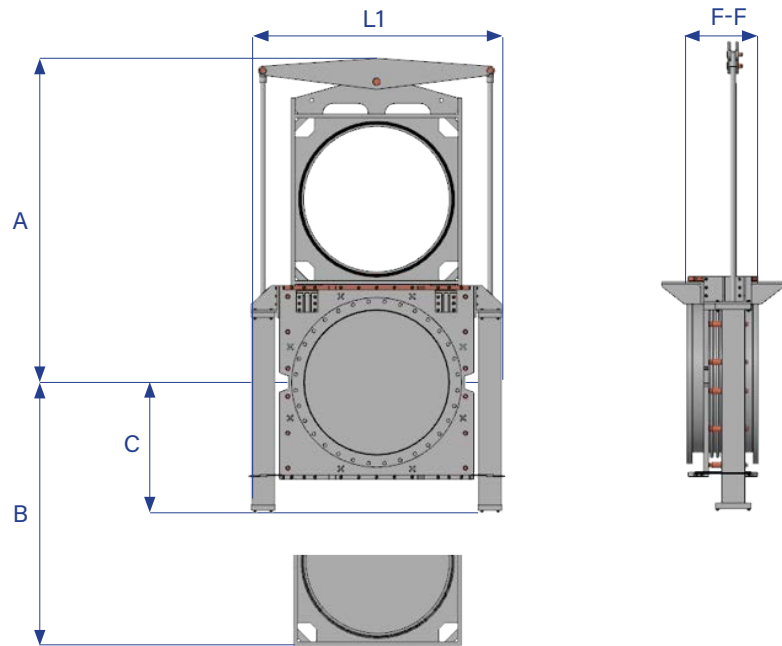


OPEN

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

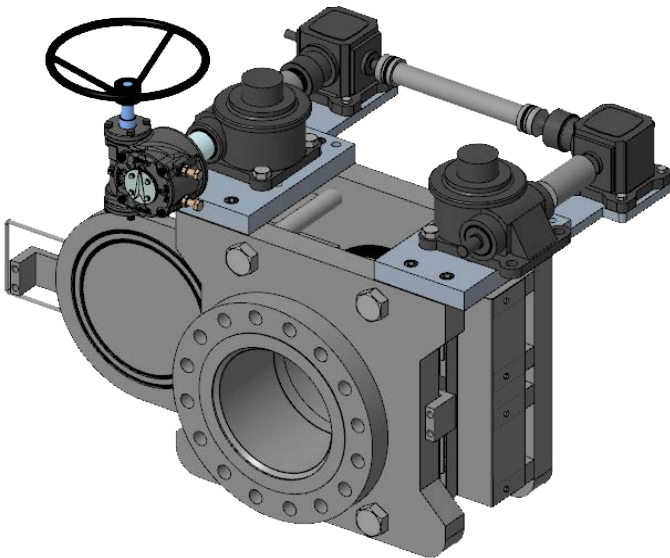
DIMENSION TABLE - HYDRAULIC SLIDE TYPE

FEATURES - RACK&PINION 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	1080	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



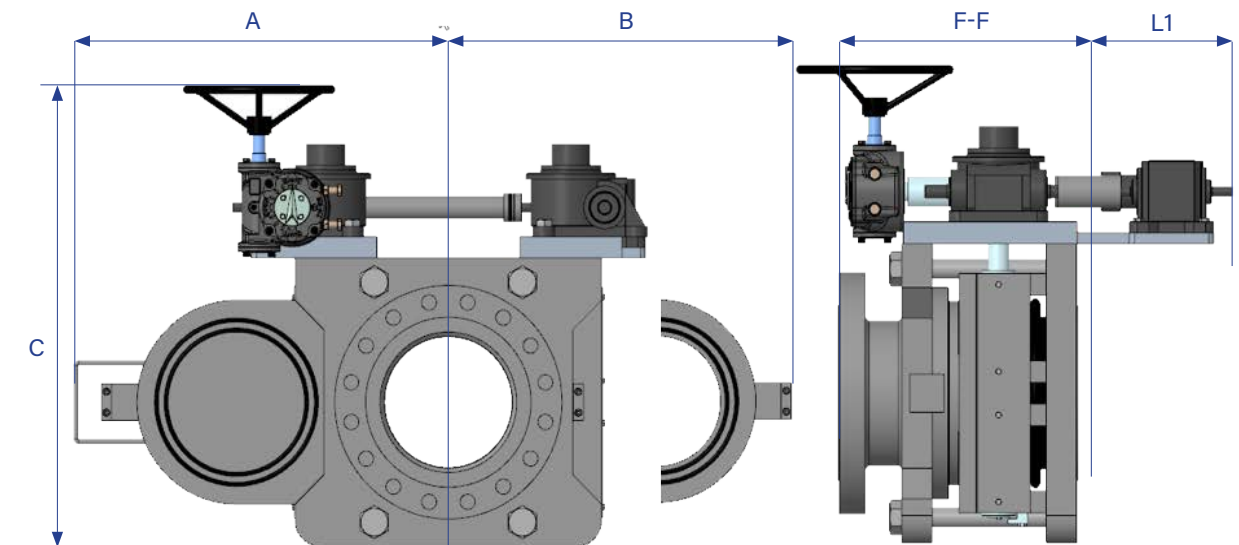
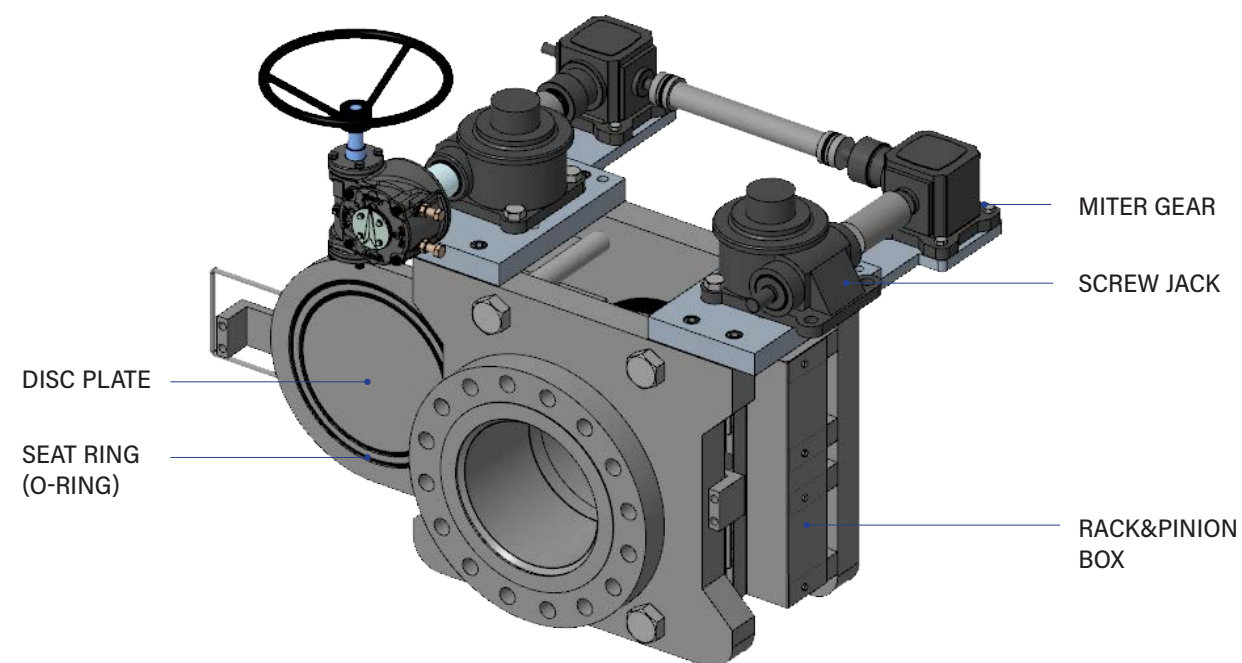
TECHNICAL SPECIFICATIONS

- 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
- ALLOABLE 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"

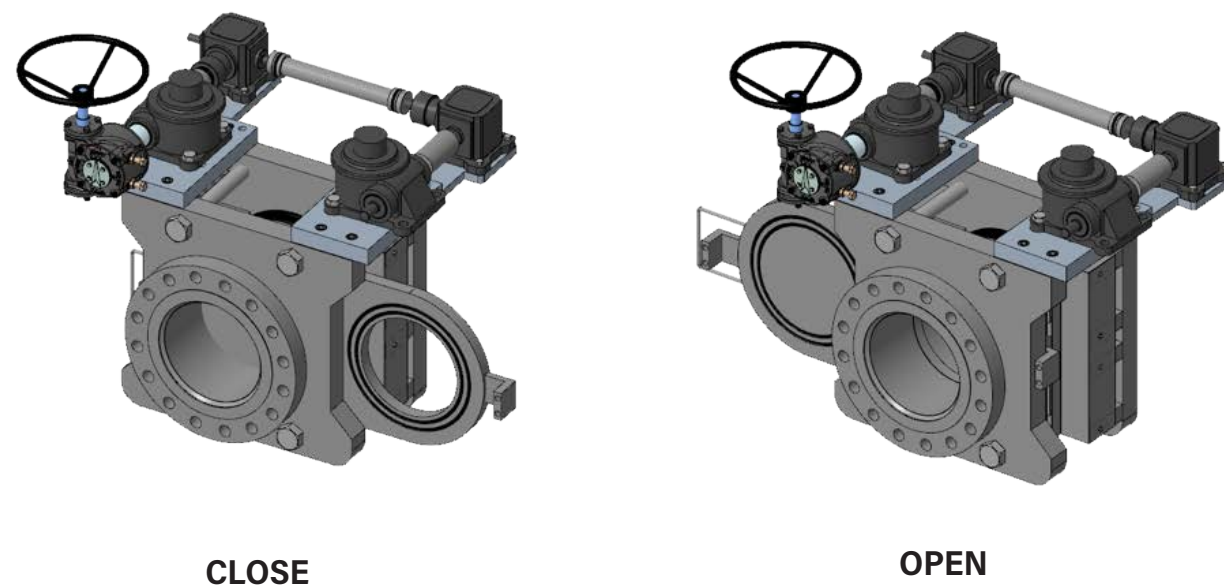
PART DETAIL - RACK & PINION TYPE

DIMENSION TABLE - RACK & PINION TYPE



(RATING : 10K / UNIT : mm)

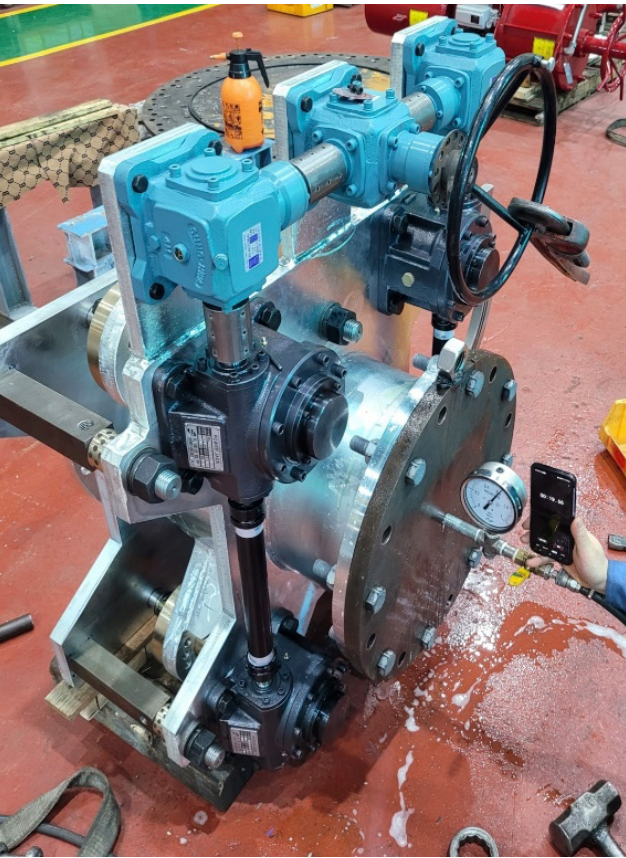
SIZE		F-F	A	B	C	L1	WEIGHT
INCH	mm						Kg(NET)
16	400A	450	750	800	650	200	500
18	450A	450	790	850	680	220	550
20	500A	450	900	950	710	220	600
22	550A	550	980	1070	740	220	650
24	600A	550	1130	1200	770	220	850
26	650A	550	1480	1530	800	260	1000
28	700A	650	1500	1550	830	260	1100
30	750A	700	1530	1580	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



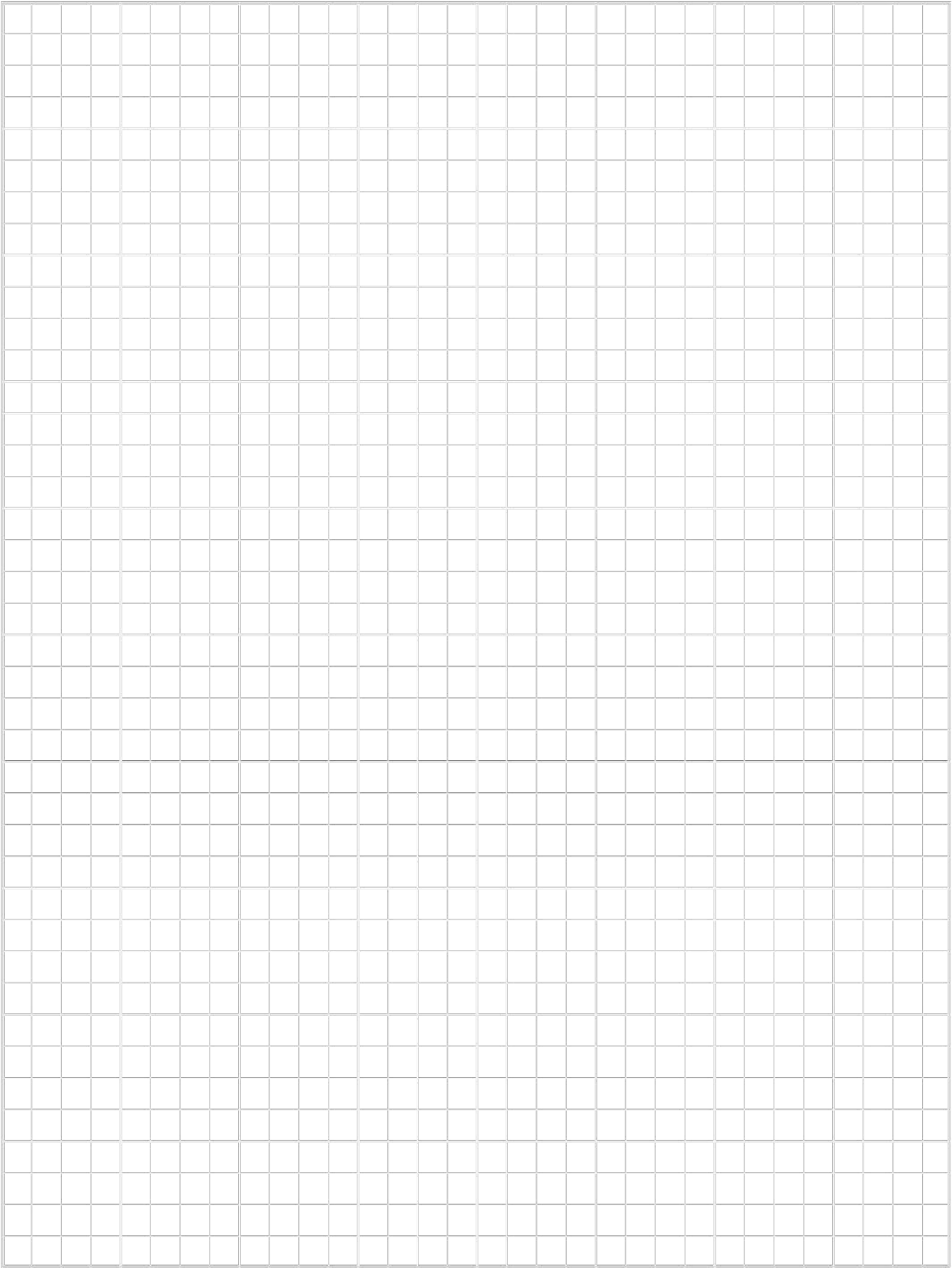
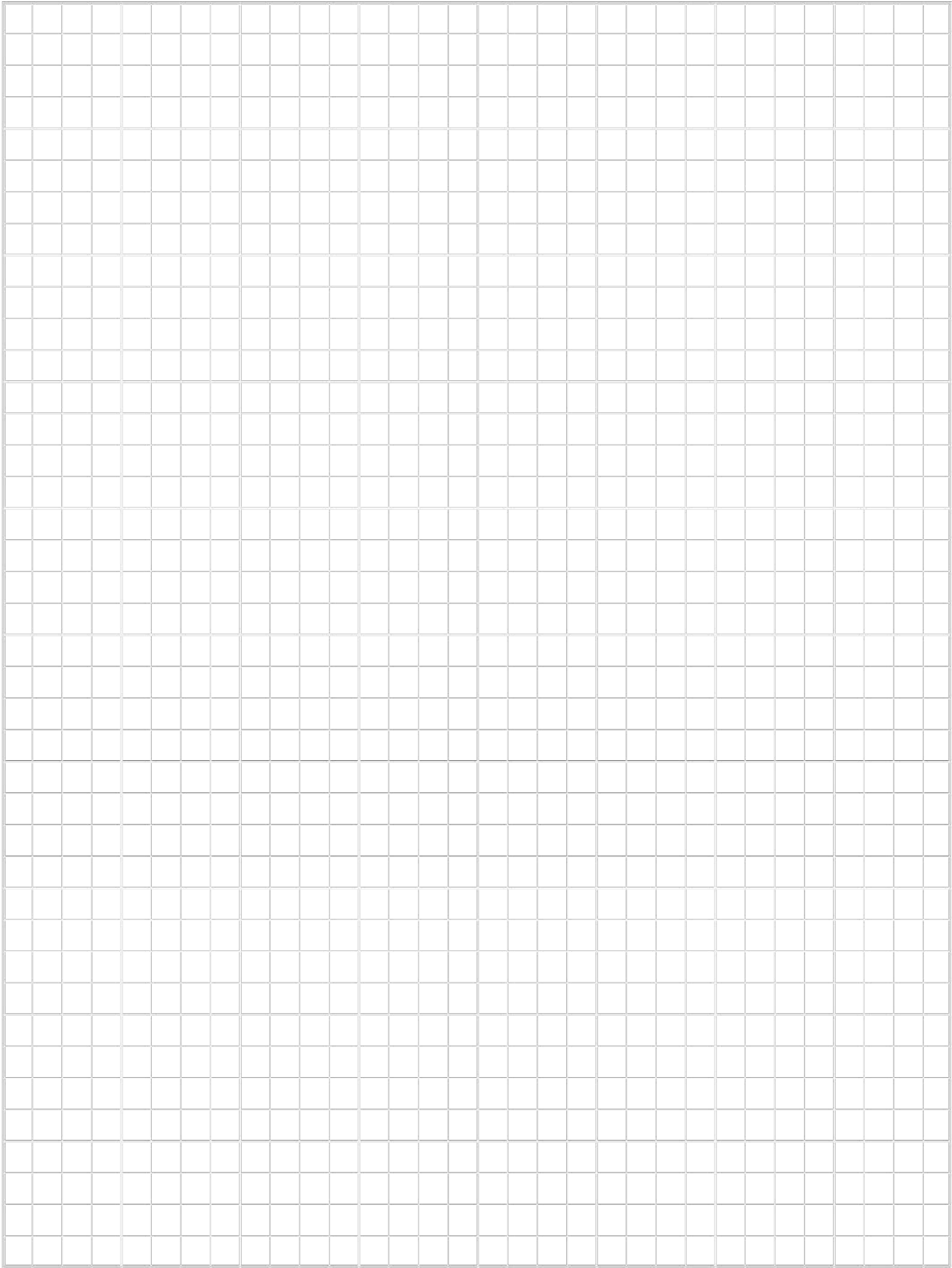
ORDERING CHART

ENGINEERING

GVK		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	UNESEALING		
2	65	2	JIS.KS 16K	2	FF FLANGE		SM 400		SM 400		O-RING		WORM	N	NBR	C	SEALING		
3	80	3	JIS.KS 20K	3	LUG	2	AS73	2	AS73	2	METAL	2	GEAR	V	VITON	S	SPECIAL		
4	100	4	JIS.KS 30K	4	WELDING		SM 490		SM 490		TOUCH		BEVEL	S	SILICON				
5	125	5	ANSI 150			3	A387	3	A387			3	MOTOR	B	BUNA-N				
6	150	6	ANSI 300				GR.22		GR.22				BASIC	P	PTFE				
7	200	7	PN 10			4	STEN1	4	STEN1			4	MOTOR	Z	SPECIAL				
8	250	8	PN 16				INTEGRAL						10. VALVE TYPE						
9	300	9	PN 20			5	STEN2	5				STEN2			5	MOTOR	CODE TYPE		
10	350	10	AWWA B				SPECIAL					BS				BALL SLIDE			
11	400	11	AWWA D			6	A36	6				A36			6	HY'D			JS
12	450						SS400					SS400	CYLINDER	HS		HY'D SLIDE			
13	500					7	A240 316	7				A240 316	7	PNEUMATIC	RP	RACK & PINION			
14	550						SUS 316					SUS 316		CYLINDER					
15	600			8	A240 304	8	A240 304	8			SCREW								
16	650				SUS 304		SUS 304				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																		



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



Product Service Qualified Certificate

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

ASME PP, U Stemp

EAC : RUSSIA TRCU

API 6D / 600 By KSM



CE: Globe Control Valve

CE : Ball Valve

Research Institute

Venture company

Material · Part · Equipment

Rooting Enterprise

