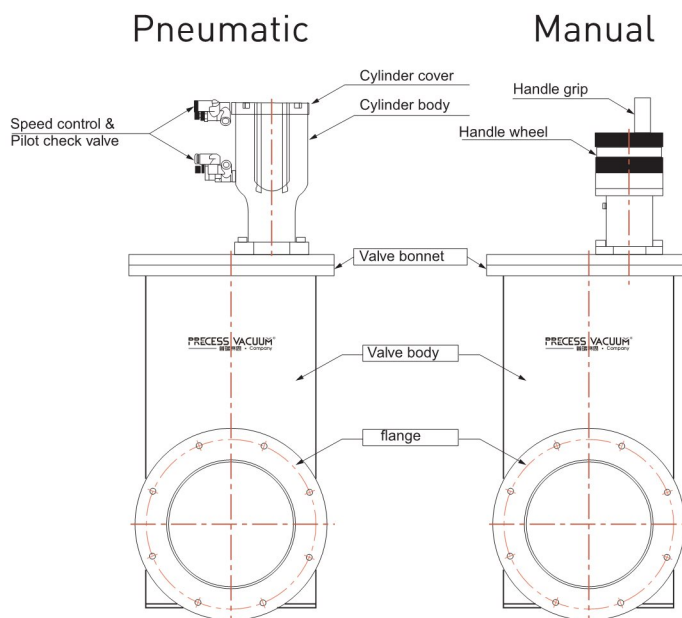


UHV Gate Valve Specification

Port Size	40,63,100,160(150),200,250,320(300)	
Port Flange	ISO-F, ISO, CF, JIS-VF	
Actuation	Pneumatic & Manually	
Materials	Body	304 Stainless steel
	Seal plate(DISK)	304 Stainless steel
	Actuator	Aluminum (Anodized)
	DISK Seal(O-ring)	FKM (Note-1)
	Bonnet Seal	Metal gasket
Bellows	Material	Standard AISI 316L (1.4404)
	Type	Welded Metal Bellows
Leak tightness	$<5.0 \times 10^{-11}$ Pa · M ³ /s He	
Pressure range	DN63 – 200	1×10^{-10} mbar to 1.6 bar
	DN250 – 320	1×10^{-10} mbar to 1.2 bar
Differential pressure	DN63 – 200	Max. 1.6 bar across valve disk
	DN250 – 320	Max. 1.2 bar across valve disk
Operating temperature of valve body	200℃	
Operating temperature of actuator	200℃	
Actuator	Pneumatic	Double Acting cylinder & w/pilot check valve
	Manual	Hand wheel
Required CDA pressure	0.5 ~ 0.7 Mpa	
CDA connection port size	Rc1/8" ~ Rc 1/2"(PT)	
Mounting Position	Any direction	
Life cycle	50,000 Cycles	
Position sensor	Auto switch / (DC24V / 5~50mA)	

Note-1 : kalrez® of Dupont, Chemraz® of Green Tweed, Gasket and others are available



Model code

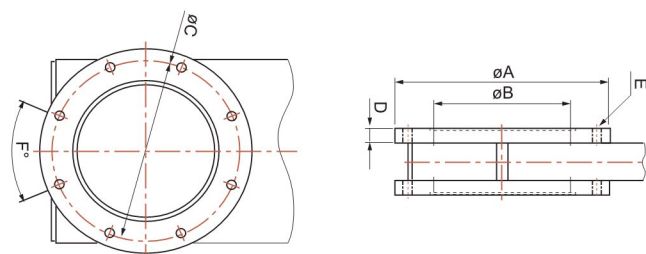
VC*P-* KC**

Shaft sealing

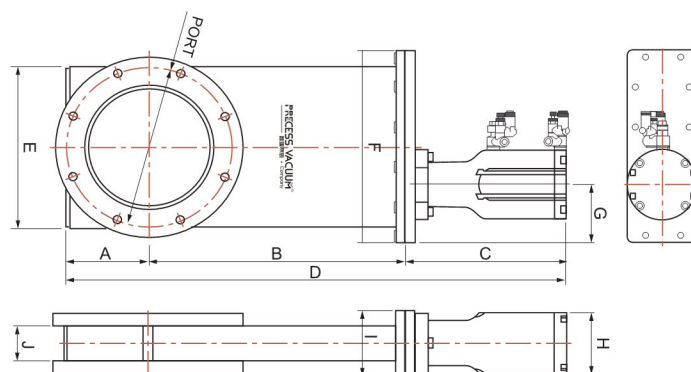
Welded metal bellows

FLANGE

ISO-F



Size	A	B	C	D	E	F
040KF	Ø55	Ø38	N/A	12.7	N/A	N/A
063KC	Ø130	Ø63.5	Ø110	12	4-M8	90°
100KC	Ø165	Ø100	Ø145	12	8-M8	45°
160KC	Ø225	Ø145	Ø200	16	8-M10	45°
200KC	Ø285	Ø190	Ø260	16	12-M10	30°
250KC	Ø335	Ø245	Ø310	16	12-M10	30°
320KC	Ø425	Ø305	Ø395	22	12-M12	30°



Size		A	B	C	D	E	F	G	H	I	J
040	Ø38	38.5	103.5	109.5	251.5	69.5	92	30.5	52	50	27
063	Ø63.5	52.5	142	133.5	328	99.5	132	43	64	64	32.5
100	Ø100	74.5	223	160.5	458	140	184	61	64	82	40
160	Ø145	99	305	190	594	190	230	68	77	82	42
200	Ø190	121.5	389.5	227	738	239	279	76	94	82	42
250	Ø245	149	489	273	911	294	334	95	124	89	48
320	Ø305	188	590	277	1055	368	410	105	124	94	49.6

Model code

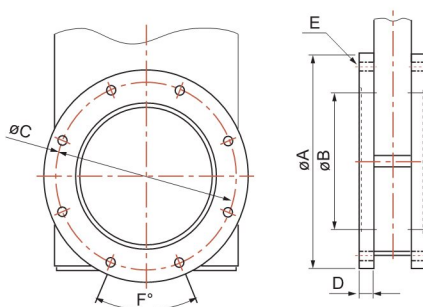
VC*P-* JF**

Shaft sealing

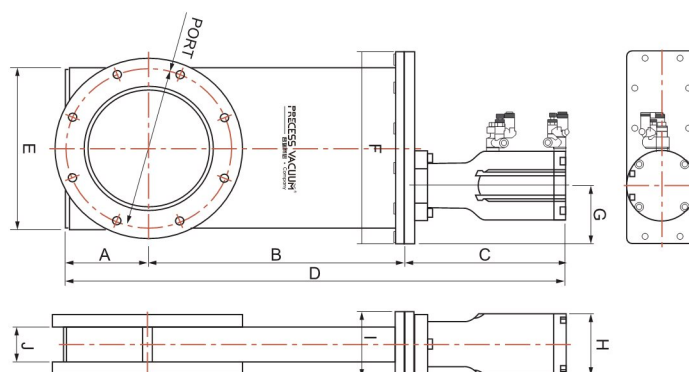
Welded metal bellows

FLANGE

JIS-VF



Size	A	B	C	D	E	F
100JF	Ø185	Ø100	Ø160	12	8~M10	45°
150JF	Ø235	Ø145	Ø210	16	8~M10	45°
200JF	Ø300	Ø190	Ø270	16	8~M12	45°
250JF	Ø350	Ø245	Ø320	18	12~M12	30°
300JF	Ø400	Ø305	Ø370	22	12~M12	30°



Size	A	B	C	D	E	F	G	H	I	J
040 Ø38	38.5	103.5	109.5	251.5	69.5	92	30.5	52	50	27
063 Ø63.5	52.5	142	133.5	328	99.5	132	43	64	64	32.5
100 Ø100	74.5	223	160.5	458	140	184	61	64	82	40
160 Ø145	99	305	190	594	190	230	68	77	82	42
200 Ø190	121.5	389.5	227	738	239	279	76	94	82	42
250 Ø245	149	489	273	911	294	334	95	124	89	48
320 Ø305	188	590	277	1055	368	410	105	124	94	49.6

Model code

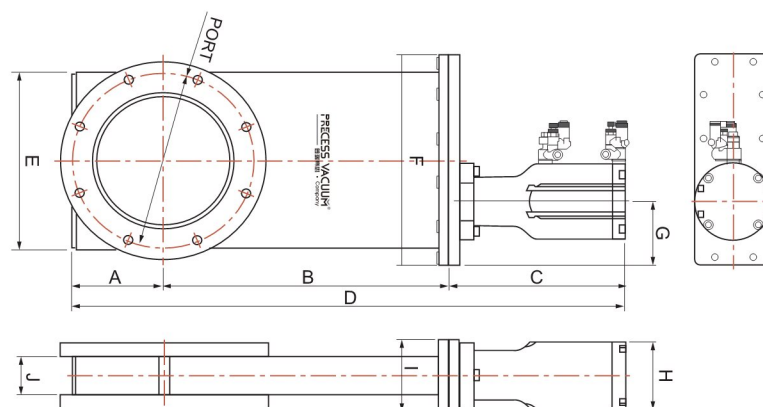
VC*P-* CF**

Shaft sealing

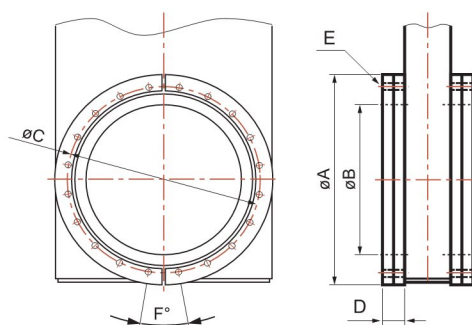
Welded metal bellows

FLANGE

CF



Size		A	B	C	D	E	F	G	H	I	J
040	Ø38	38.5	103.5	109.5	251.5	69.5	92	30.5	52	50	27
063	Ø63.5	52.5	142	133.5	328	99.5	132	43	64	64	32.5
100	Ø100	74.5	223	160.5	458	140	184	61	64	82	40
160	Ø145	99	305	190	594	190	230	68	77	82	42
200	Ø190	121.5	389.5	227	738	239	279	76	94	82	42
250	Ø245	149	489	273	911	294	334	95	124	89	48
320	Ø305	188	590	277	1055	368	410	105	124	94	49.6



Size	A	B	C	D	E	F
040CF	Ø70	Ø38	Ø58.7	12.7	6~M6	60°
063CF	Ø114	Ø63.5	Ø92.1	17.5	8~M8	45°
100CF	Ø152	Ø100	Ø130.3	20	8~M8	45°
160CF	Ø203	Ø145	Ø181	22	20~M8	18°
200CF	Ø253	Ø190	Ø231.8	22	24~M8	15°
250CF	Ø305	Ø245	Ø284	28	32~M8	11.25°
320CF	Ø355.6	Ø305	Ø325.4	28	30~M8	12°

Model code

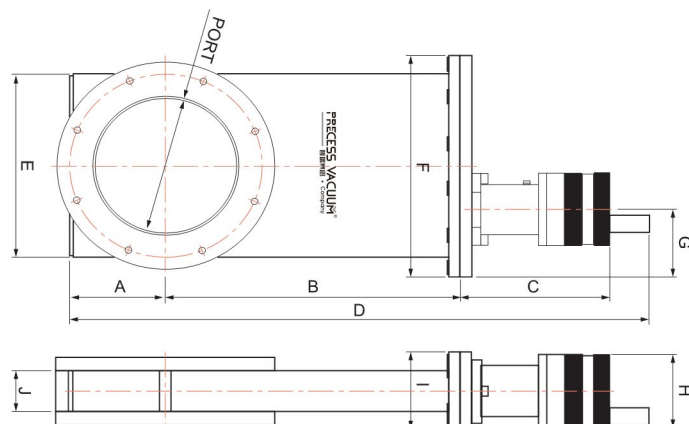
VC*M-* KC**

Shaft sealing

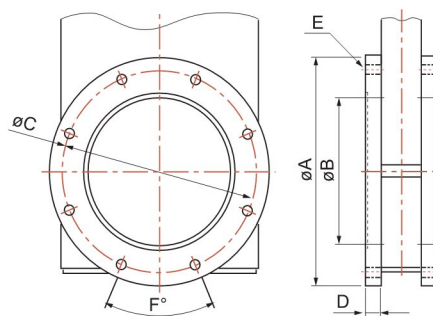
Welded metal bellows

FLANGE

ISO-F



Size		A	B	C	D	E	F	G	H	I	J
040	Ø38	38.5	103.5	86	268.7	69.5	92	30.5	48	38	25.4
063	Ø63.5	52.5	142	94	329.5	99.5	132	43	64	64	32.5
100	Ø100	74.5	223	143	482	140	184	61	95	82	40
160	Ø145	99	305	154.5	599.2	190	230	68	79	82	42
200	Ø190	121.5	389.5	194.5	746.5	239	279	76	109	82	42
250	Ø245	149	489	226.5	905.2	294	334	95	117	89	48



Size	A	B	C	D	E	F
040KF	Ø55	Ø38	N/A	12.7	N/A	N/A
063KC	Ø130	Ø63.5	Ø110	12	4-M8	90°
100KC	Ø165	Ø100	Ø145	12	8-M8	45°
160KC	Ø225	Ø145	Ø200	16	8-M10	45°
200KC	Ø285	Ø190	Ø260	16	12-M10	30°
250KC	Ø335	Ø245	Ø310	16	12-M10	30°
320KC	Ø425	Ø305	Ø395	22	12-M12	30°

Model code

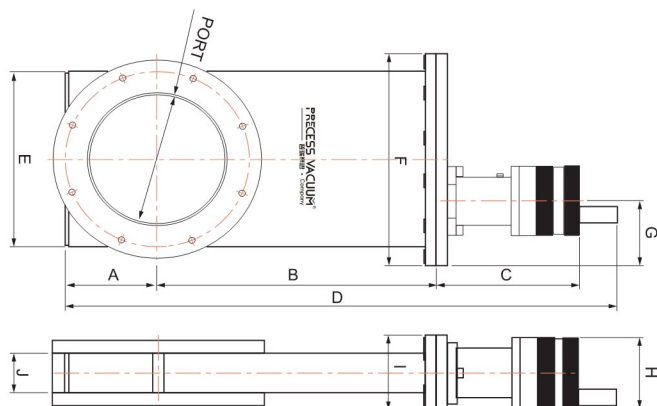
VC*M-* JF**

Shaft sealing

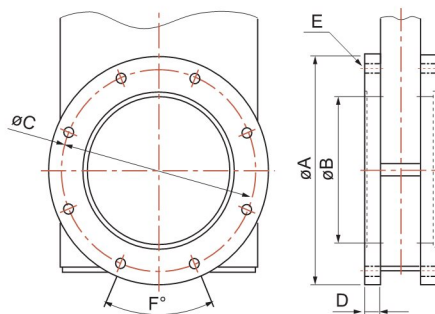
Welded metal bellows

FLANGE

JIS-VF



Size		A	B	C	D	E	F	G	H	I	J
040	Ø38	38.5	103.5	86	268.7	69.5	92	30.5	48	38	25.4
063	Ø63.5	52.5	142	94	329.5	99.5	132	43	64	64	32.5
100	Ø100	74.5	223	143	482	140	184	61	95	82	40
160	Ø145	99	305	154.5	599.2	190	230	68	79	82	42
200	Ø190	121.5	389.5	194.5	746.5	239	279	76	109	82	42
250	Ø245	149	489	226.5	905.2	294	334	95	117	89	48
320	Ø305	188	590	277	1055	368	410	105	124	94	49.6



Size	A	B	C	D	E	F
100JF	Ø185	Ø100	Ø160	12	8~M10	45°
150JF	Ø235	Ø145	Ø210	16	8~M10	45°
200JF	Ø300	Ø190	Ø270	16	8~M12	45°
250JF	Ø350	Ø245	Ø320	18	12~M12	30°
300JF	Ø400	Ø305	Ø370	22	12~M12	30°
250CF	Ø305	Ø245	Ø284	28	32~M8	11.25°
320CF	Ø355.6	Ø305	Ø325.4	28	30~M8	12°

Model code

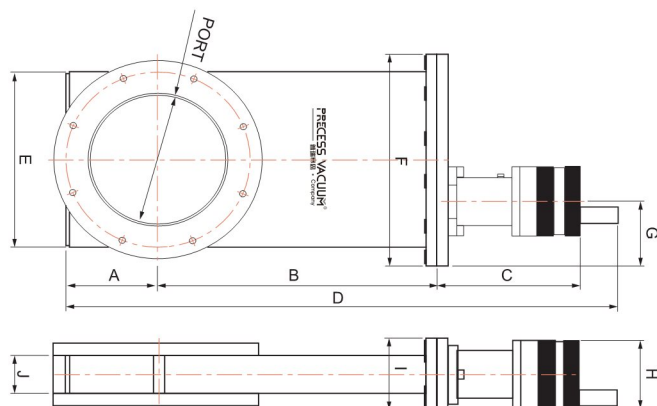
VC*M-* CF**

Shaft sealing

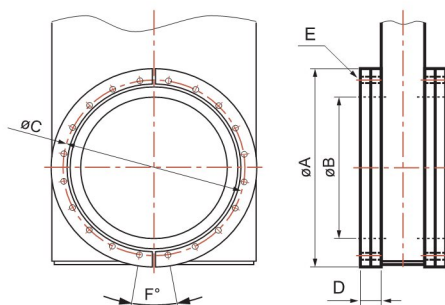
Welded metal bellows

FLANGE

CF



Size		A	B	C	D	E	F	G	H	I	J
040	Ø38	38.5	103.5	86	268.7	69.5	92	30.5	48	38	25.4
063	Ø63.5	52.5	142	94	329.5	99.5	132	43	64	64	32.5
100	Ø100	74.5	223	143	482	140	184	61	95	82	40
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320	Ø305	188	590	277	1055	368	410	105	124	94	49.6



Size	A	B	C	D	E	F
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160CF	Ø203	Ø145	Ø181	22	20~M8	18°
200CF	Ø253	Ø190	Ø231.8	22	24~M8	15°
250CF	Ø305	Ø245	Ø284	28	32~M8	11.25°
320CF	Ø355.6	Ø305	Ø325.4	28	30~M8	12°