

DASAN ENG

VACUUM VALVE SOLUTION



Building trust, inspiring growth, succeeding together

Rooted in principles,
we create value and forge lasting partnerships for a brighter future.





COMPANY HISTORY

- | | |
|------|---|
| 2023 | <ul style="list-style-type: none">• Global Market Expansion |
| 2021 | <ul style="list-style-type: none">• Got certification of CE |
| 2020 | <ul style="list-style-type: none">• Certified by ISO 14001 |
| 2019 | <ul style="list-style-type: none">• Product definition information (PLM) |
| 2017 | <ul style="list-style-type: none">• Built the Manufacturing Execution System Shop Floor (MES) |
| 2016 | <ul style="list-style-type: none">• Developed 630 gate valve / Patent registration of Protection Bellows Valve• Patent registration of Anti-Seize powder Valve |
| 2015 | <ul style="list-style-type: none">• Build the Enterprise Resource Planning (ERP)• Got certification of Sems' SSQ (2015.09)• Patent registration of Gate Valve |
| 2014 | <ul style="list-style-type: none">• Transformed into DASAN ENG Co., Ltd. / SK Hynix enterprise registration• Moved into Dongtan, New Company building (2014. 12) |
| 2013 | <ul style="list-style-type: none">• Got proved by ISO 9001• Developed Gas burner for burning waste gases (Holding a patent)• Got proved by INNOBIZ / Founded Laboratory |
| 2002 | <ul style="list-style-type: none">• Developed HVPE for LEDs / Developed Micro Wave Plasma Scrubber• Developed Sapphire Ingot 6 "(85kg) Chamber System |
| 2001 | <ul style="list-style-type: none">• Developed Valve Shutter (Holding a patent)• Localization of Gate valve |
| 1995 | <ul style="list-style-type: none">• Established Dasan Engineering |



VACUUM VALVE SOLUTION

DGV

Auto Gate Valve

<i>Standard</i>	80~160 / 200~400 / 500~750
<i>Slow Pumping</i>	80~160
<i>Manual</i>	80~160 / 200~320

DPV

Powder Protection Gate Valve

<i>Slide</i>	80~200
<i>Pendulum</i>	80~200
<i>Manual</i>	125~160

DIV

I - Motion Gate Valve

80~160 / 200~400

DCV

Auto Pressure Control Valve

<i>Pendulum</i>	160~320
<i>Butterfly</i>	50~100

DSV

I-Motion Slit Valve

DAV

Angle Gate Valve

160~250

DGV Series

Auto Gate Valve (Circular Gate Valve)



*Standard 80~160 / 200~400 / 500~750 /
Slow Pumping 80~160 / Manual 80~160 / 200~320*

DGV Standard 80~160

Feature

- Low Noise
- Low Vibration
- High-Speed Operation
- Simple Design & Easy Maintenance

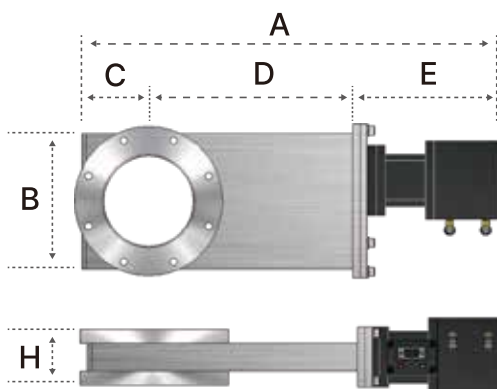
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 0.65 m/s²
- Operation : 5~8 bar
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G	H
80	463.5	148	71.5	240.5	151.5	67	98	61
100	463.5	148	71.5	240.5	151.5	67	98	61
125	536	178	90	294.5	151.5	67	98	61
160	567.5	208	95	321	151.5	67	98	61



DGV Standard 200~400

Feature

- Low Noise
- Low Vibration
- High-Speed Operation
- Simple Design & Easy Maintenance

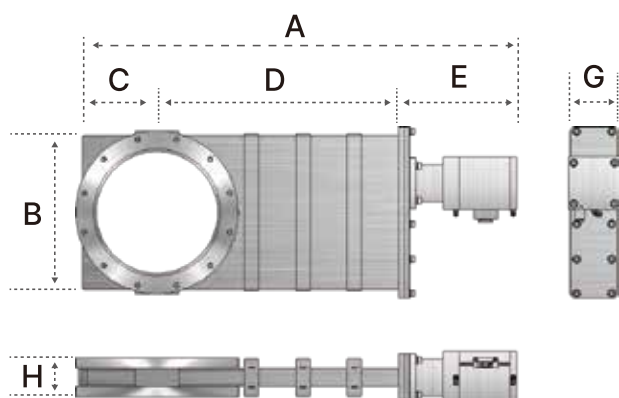
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 0.65 m/s²
- Operation : 5~8 bar
- Warranty : 100,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
200	800	273	128	440	232	81	107
250	896	318	154	510	232	81	107
320	1016	379	185	599	232	100	107
400	1214	470	233	749	232	123	107



DGV Standard 500~750

Feature

- Low Noise
- Low Vibration
- High-Speed Operation
- Simple Design & Easy Maintenance

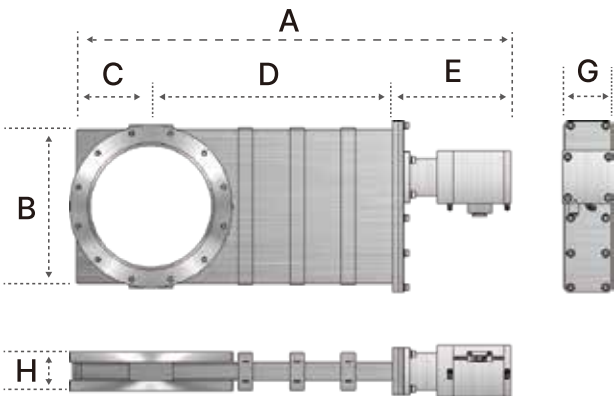
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-8}$ mbar. l/s (1×10^{-9} Pa m³/s)
- Vibration : < 1.25 m/s²
- Operation : 6~9 bar
- Warranty : 20,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
500	1870	600	303	996	571	157	219
630	2182	740	370	1200	612	157	219
750	2466	886	446	1420	600	178	219



DGV Slow-Pumping 80~160

Feature

- Low Noise
- Low Vibration
- Simple Design & Easy Maintenance
- Minimize Chamber&Pump Damage
- 2-Step Slow Pumping

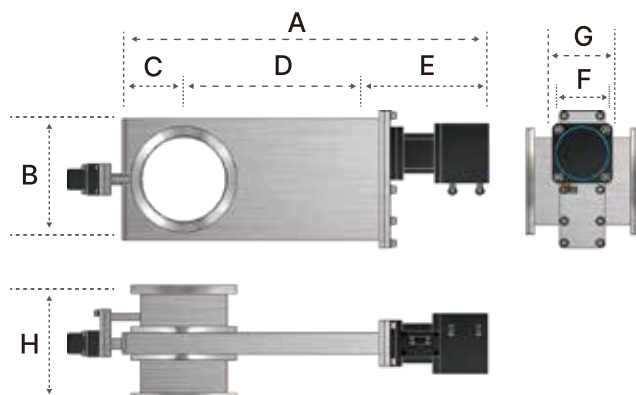
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 0.35 m/s²
- Operation : 5~8 bar
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G	H
80	463.5	148	71.5	240.5	152.5	67	98	130
100	463.5	148	71.5	240.5	152.5	67	98	130
125	536	178	90	294.5	152.5	67	98	130
160	567.5	208	95	321	152.5	67	98	130



Auto Gate Valve

DGV Manual 80~160

Feature

- Low Noise
- Handle Lock/Unlock
- Simple Design & Easy Maintenance

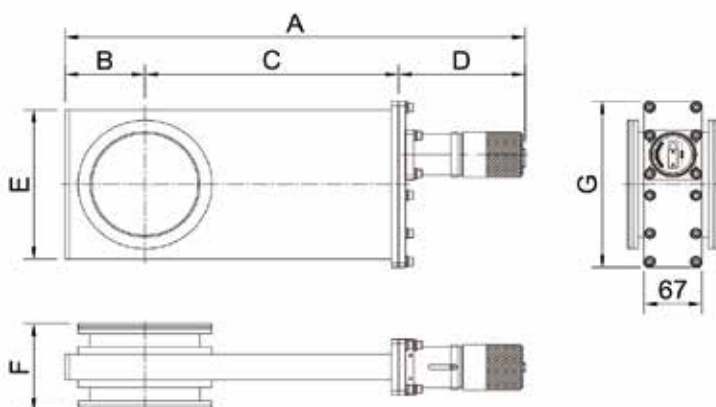
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Warranty : 100,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
80	449.9	74.5	237.5	137.9	150	130	170
100	449.9	74.5	237.5	137.9	150	130	170
125	522.9	92.2	292.8	137.9	180	130	200
160	568.9	102	329	137.9	209	130	232



DGV Manual 200~320

Feature

- Low Noise
- Handle Lock/Unlock
- Simple Design & Easy Maintenance

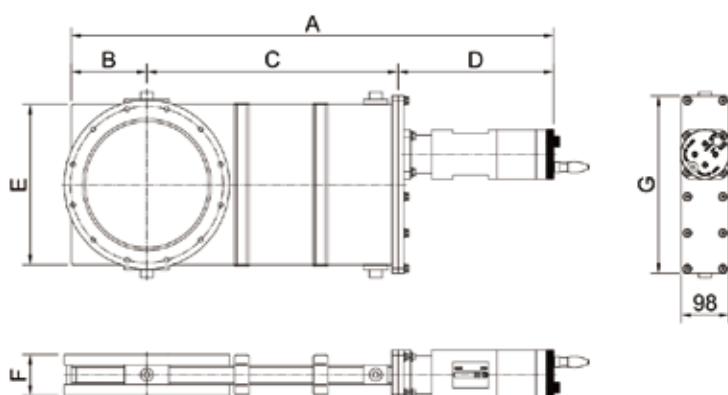
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Warranty : 50,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
200	883.6	128	439.5	316.1	273	78.6	298
250	979.1	153.5	509.5	316.1	318	80.6	352
320	1100.1	185	599	316.1	379	100	412



DPV Series

*Powder Protection
Gate Valve*



*Slide 80~200 / Pendulum 80~200 /
Manual 125~160*

Powder Protection Gate Valve



DPV Slide 80~200

Feature

- High Performance Heating Impact
- Back Pressure Protection
- High Speed Operation
- 2-step Slow Pumping

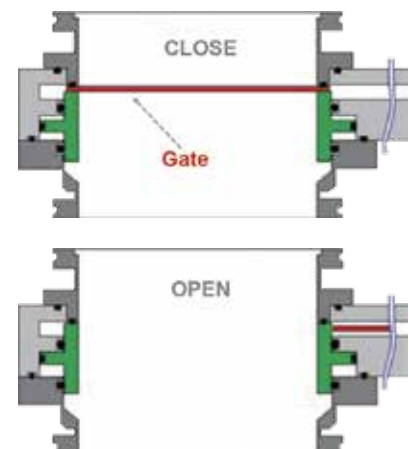
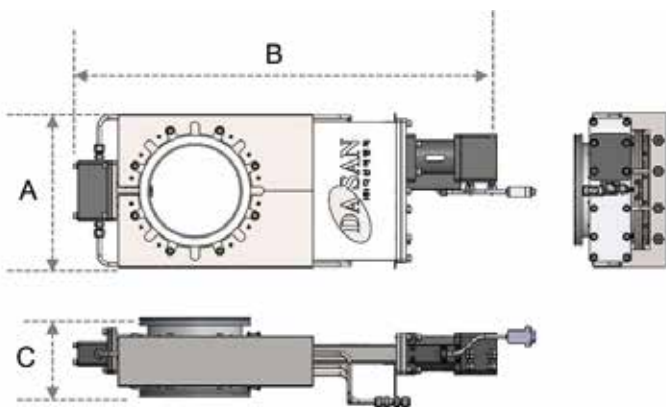
General Specification

- Body Material : SUS 304
- Leak Rate : $< 5 \times 10^{-8}$ mbar. l/s (5×10^{-9} Pa m³/s)
- Operation : 4~8 bar
- Warranty : 50,000 Cycle
- Flange Type : ISO-K, ISO-F

Dimension

Unit : mm

Type	A	B	C
100	160	515	170
125	200	606	170
160	248	678	170
200	340	840	170



Powder Protection Gate Valve

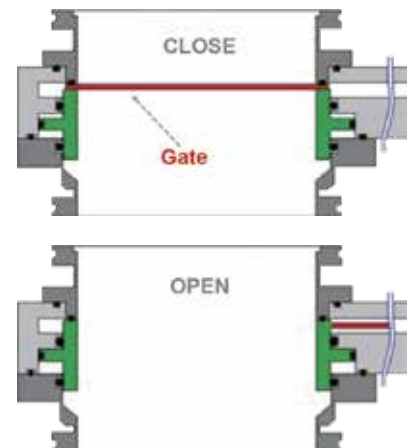
DPV Pendulum 80~200

Feature

- Ultra High-Speed Operation
- Imperceptible Vibration
- 2-Step Slow Pumping
- Insertion Heating Technology
- Own Gate(Blade) Technology
- Reliable Sealing In Harsh Process
- Back Pressure Protection

General Specification

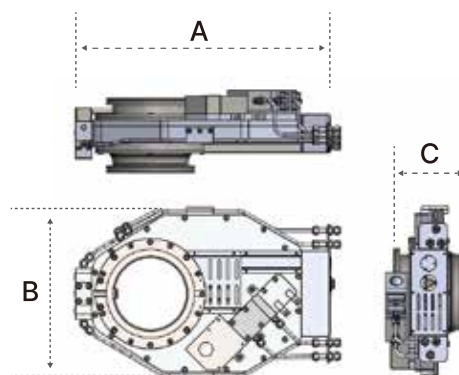
- Body Material : Al 6061
- Flange, Pipe : SUS 304
- Leak Rate : $< 5 \times 10^{-8}$ mbar. l/s (5×10^{-9} Pa m³/s)
- Vibration : $< 0.1 \text{m/s}^2$
- Operation : 4~8 bar
- Warranty : 50,000 Cycle
- Flange Type : ISO-K, ISO-F



Dimension

Unit : mm

Type	A	B	C
100	406	256	170
125	478	278	170
160	517	310	170
200	561	347	170



DPV Manual 125~160



Feature

- Double Seal Technology
- Reliable Sealing In Harsh Process
- Insertion Heating Technology

General Specification

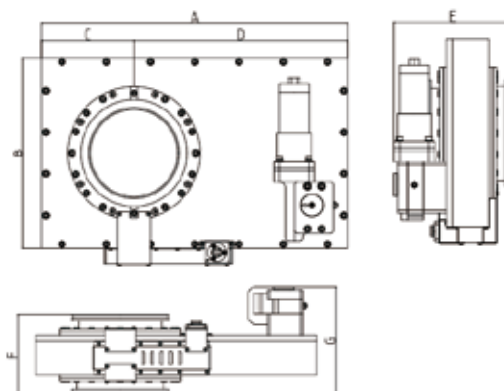
- Body Material : Al 6061 (Hard Anodizing)
- Leak Rate : $< 5 \times 10^{-8}$ mbar. l/s (5×10^{-9} Pa m³/s)
- Warranty : 20,000 Cycle
- Flange Type : ISO-K, ISO-F



Dimension

Unit : mm

Type	A	B	C	D	E	F	G
125	483	293	146.5	336.5	210.7	160	210.7
160	519	321	156.5	362.5	200.7	150	200.7



DIV Series

I - Motion Gate Valve



DIV 80~160 / 200~400

I - Motion Gate Valve



DIV 80~160

Feature

- Activated By Differential Pressure
- Imperceptible Vibration
- Own O-ring Technology(Bonded)
- Optimization for Turbo&Cryo Pump

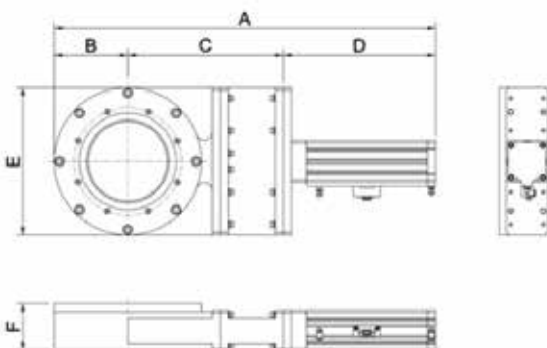
General Specification

- Body Material : Al 6061 or SUS 304
/ Actuator : Al 6061
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 0.35 m/s²
- Operation : 4~8 bar
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS

Dimension

Unit : mm

Type	A	B	C	D	E	F
80	509	96	207	205	205	82
100	509	96	207	205	205	82
125	582	111	243	226	239	82
160	659	123.5	283	253	266	82



I - Motion Gate Valve



DIV 200~400

Feature

- Activated By Differential Pressure
- Imperceptible Vibration
- Own O-ring Technology(Bonded)
- Optimization for Turbo&Cryo Pump

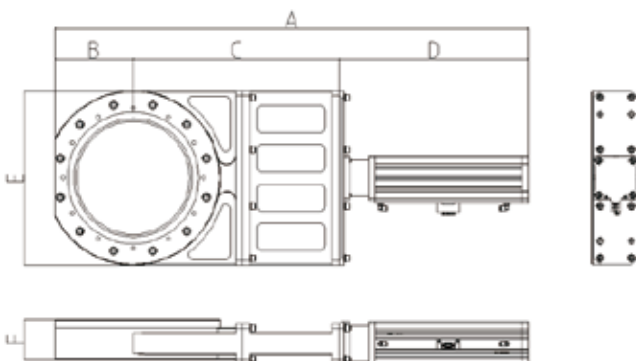
General Specification

- Body Material : Al 6061 or SUS 304
/ Actuator : Al 6061
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 0.35 m/s²
- Operation : 4~8 bar
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS

Dimension

Unit : mm

Type	A	B	C	D	E	F
200	897	148	382	366	332	88
250	1040	173	456	411	385	88
320	1204	200	539	465	445	88
400	1470	244	678	550	546	88



DCV Series

Auto Pressure Control Valve



Pendulum 160~320 / Butterfly 50~100

Auto Pressure Control Valve

DCV Pendulum 160~320

Feature

- Optimization For Corrosive Etching
- Excellent Pressure Control Performance
- No Particle Activation
- Own Control Program

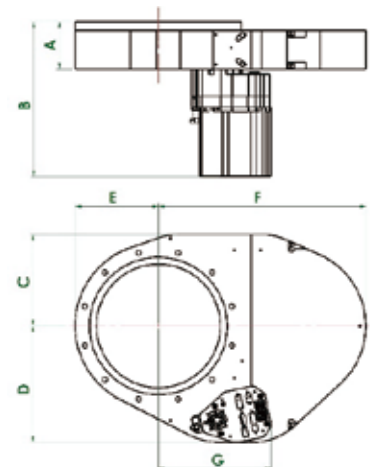
General Specification

- Body Material : Aluminum
- Treatment : Bare or Hard Anodized
- Leak Rate : Bare < 1×10^{-9} mbar. l/s (1×10^{-10} Pa m³/s)
Hard Anodized < 1×10^{-5} mbar. l/s (1×10^{-6} Pa m³/s)
- Operation : 4~7 bar
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, Others

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
160	87	320	139	183	121	299	195
200	87	320	161	209	150	358	210
250	100	328	193	246	175	437	237
320	120	355	258	275	215	535	279



DCV Butterfly 50~100

Feature

- Pressure Control Valve
- Noise & Vibration Free
- Optimization For Difficult & Fast Processes
- Stable Operation In Harsh Processes
- Excellent Pressure Control Performance

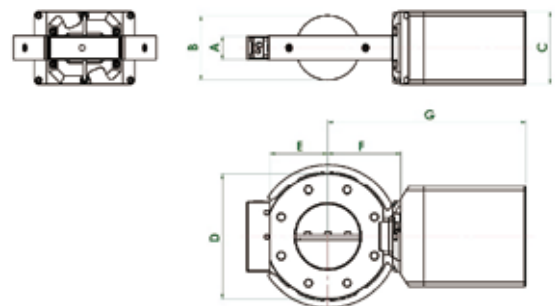
General Specification

- Body Material : Aluminum or Stainless Steel
- Treatment : Bare
- Leak Rate : Bare $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Warranty : 200,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, Others

Dimension

Unit : mm

Type	A	B	C	D	E	F	G
50	30	50	90	95	48	63	219
63	30	63	90	133	66	79	234
80	30	80	90	155	72	91	246
100	30	100	90	168	85	99	254



DSV Series

I-Motion Slit Valve



DSV I-Motion

I – Motion Slit Valve



DSV I-Motion

Feature

- I-Motion Type Valve
- Protected Bellows
- Easy Gate Exchange
- Long Lifetime
- Low Shock
- Air Locked

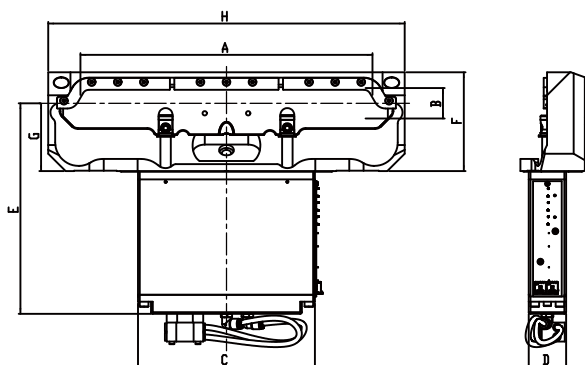
General Specification

- Body Material : AL6061
- Leak Rate : $<1 \times 10^{-9}$ mbar. l/s
(1×10^{-10} Pam³/s) (FKM)
- Vibration : <0.65 m/s²
- Operation Air Pressure : 2~6 bar (CDA)
- Warranty : 5,000,000 Cycle

Dimension

Unit : mm

Type	A	B	C	D	E	F	G	H
32×222	222	32	203.5	43	251.5	135	100	290
35×336	336	35	203.5	43	242.2	123.2	78	410
46×236	236	46	251.5	49	322.5	175	130	320
50×336	336	50	251.5	49	322.5	180	130	440
56×496	496	56	251.5	49	325.5	185	130	610



DAV Series

Angle Gate Valve



DAV 160~250

Angle Gate Valve



DAV 160~250



Feature

- Low Noise
- Low Vibration
- Simple Design & Easy Maintenance

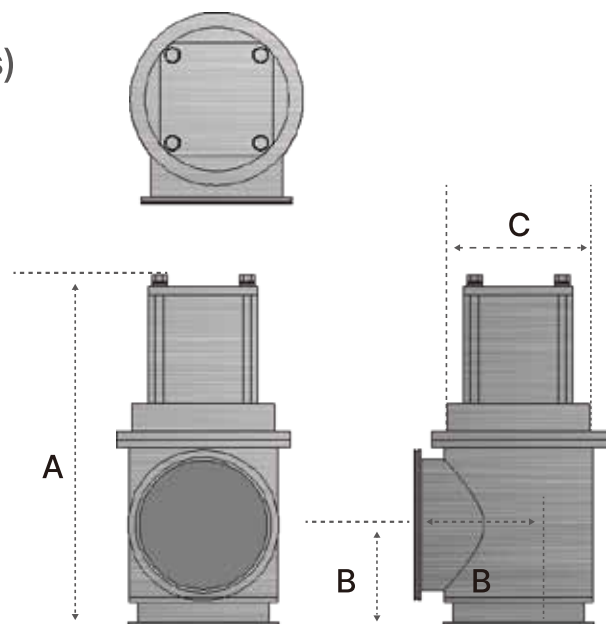
General Specification

- Body Material : SUS 304
- Leak Rate : $< 1 \times 10^{-9}$ mbar. l/s (1×10^{-10} Pa m³/s)
- Vibration : < 1.25 m/s²
- Operation : 5~8 bar
- Warranty : 1,000,000 Cycle
- Flange Type : ISO-K, ISO-F, JIS, CF

Dimension

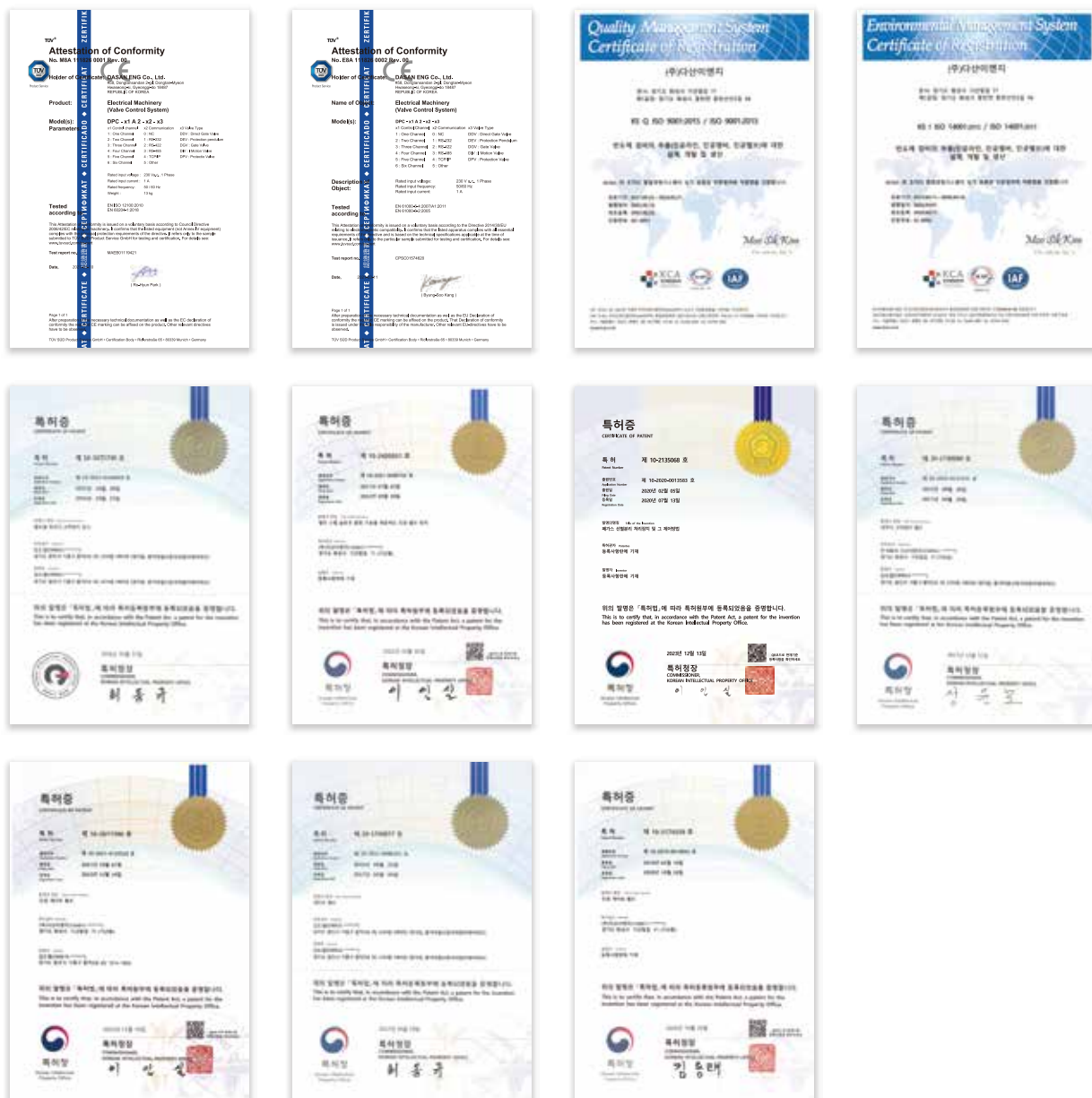
Unit : mm

Type	A	B	C
160	430	120	180
200	620	180	230
250	680	200	267



CERTIFICATION

With proprietary integrated technological expertise spanning development, design, manufacturing, and systems, combined with systematic R&D investment, we are advancing toward becoming a global company.

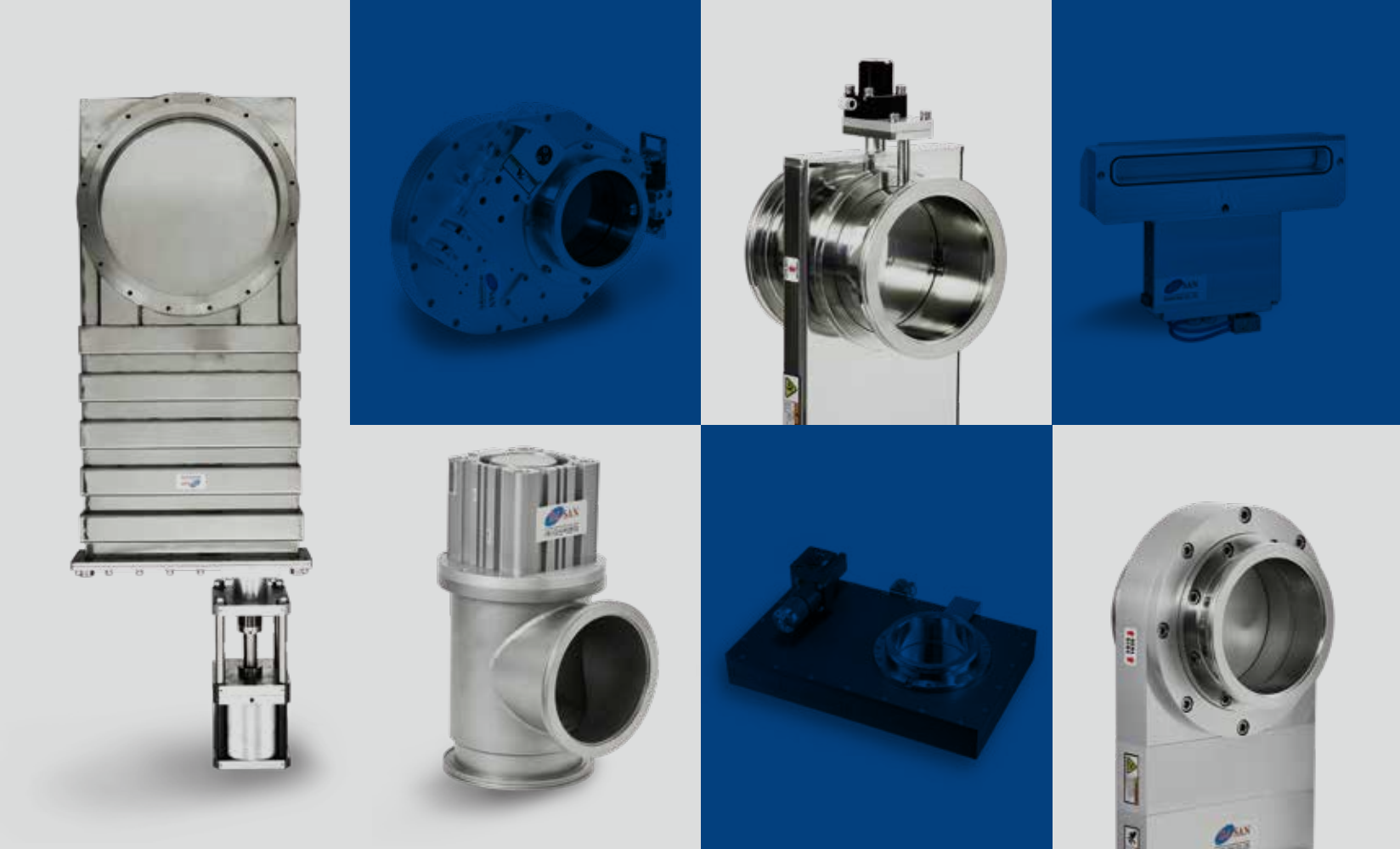




dasaneng.net

With a unified commitment toward becoming
a world-class vacuum valve specialist, DASAN ENG





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