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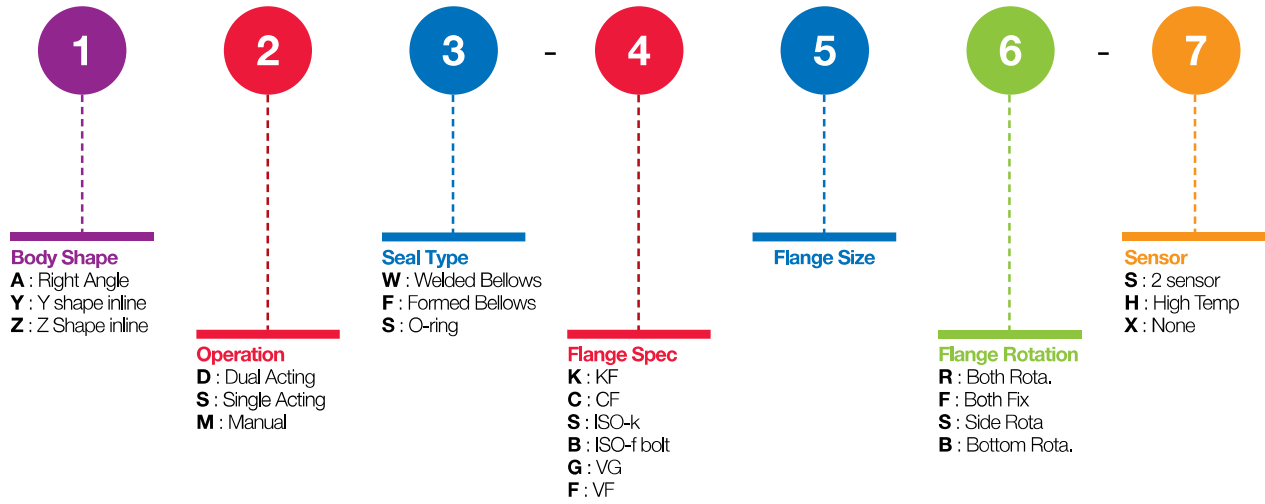




KOREA BELLOWS
Welded Metal Bellows



Angle Valve Modeling Code



Right Angel Valve





EXAMPLE



P/N : ADF-S100-S

Right Angle, Dual Acting, Formed Bellows Seal, ISO-k 100, 2-Position Sensor

Note : Shaft Seal Type

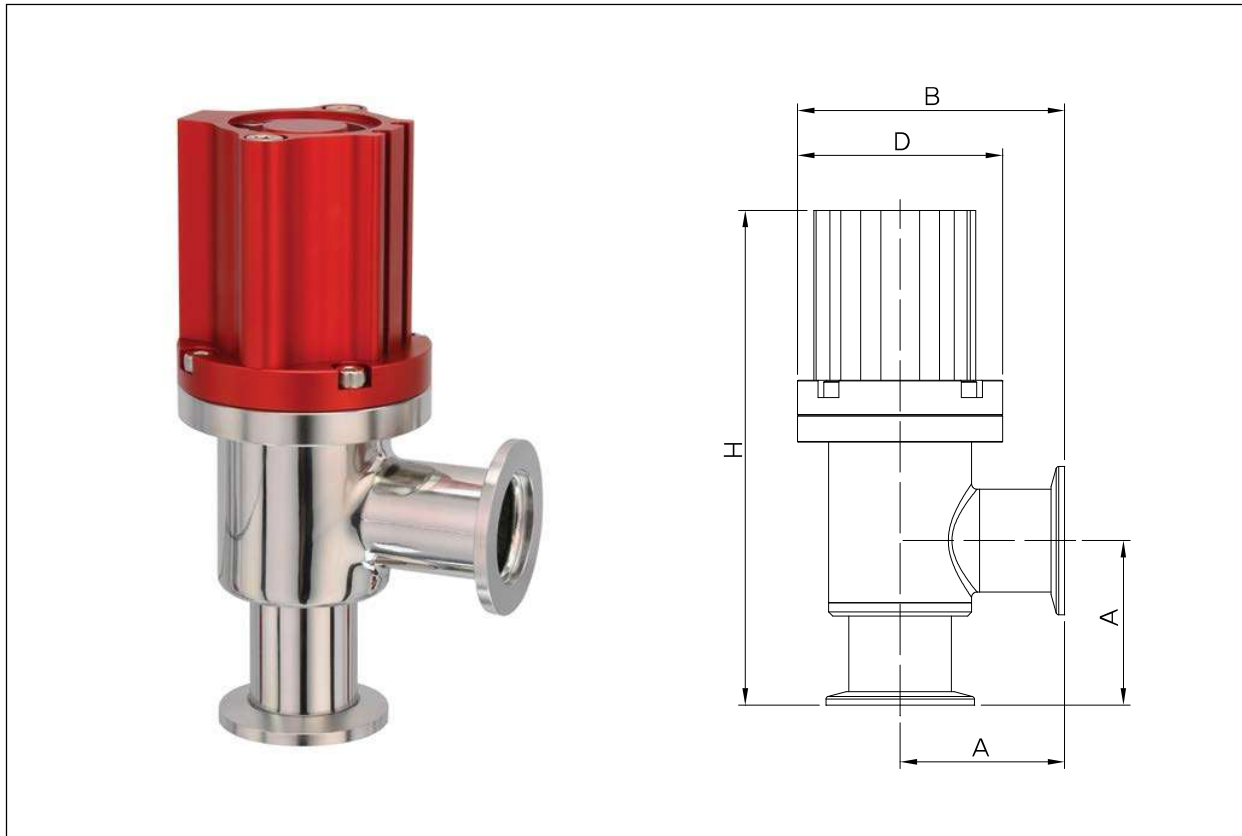
*if Port Size is smaller than 50mm, Welded Bellows and O-ring are available
(Formed Bellows Seal is not available for small size valve)

Inline Valve



KF Right Angel Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

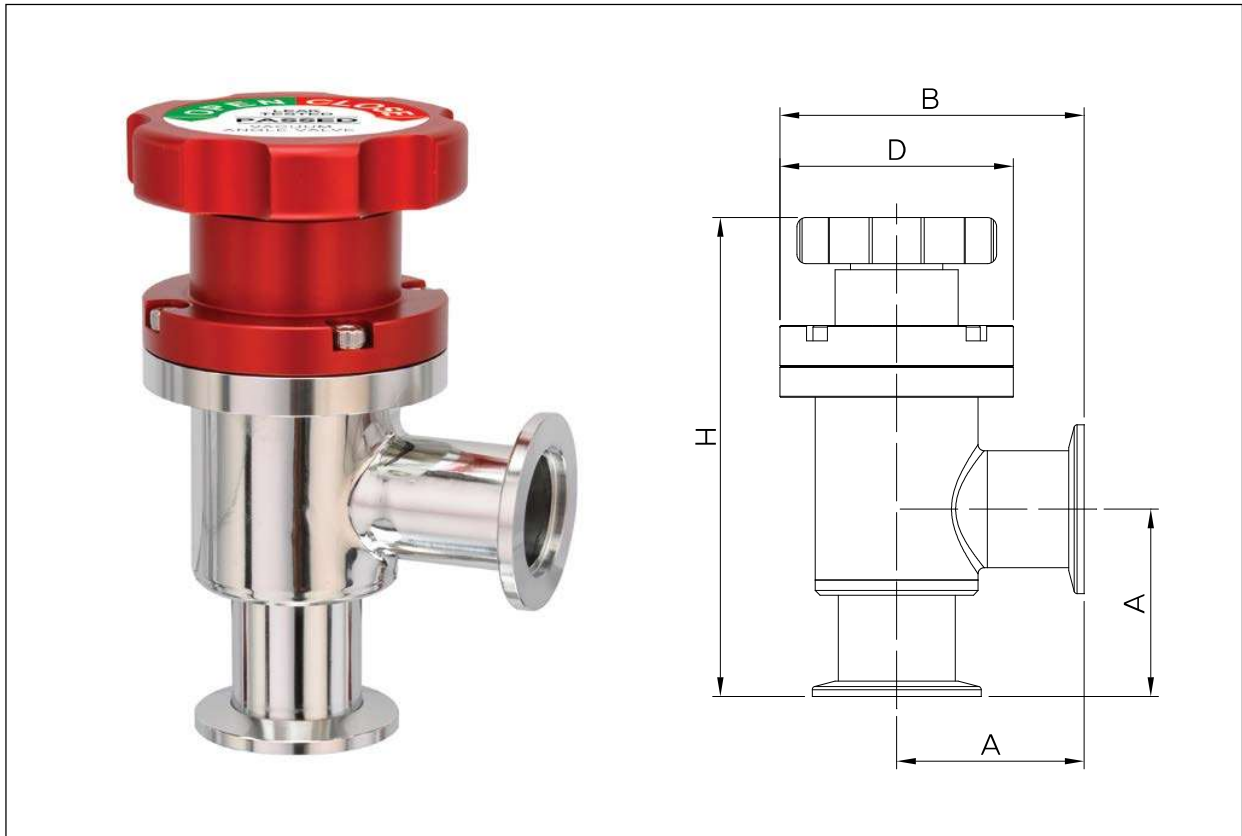
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
A②③-K16-⑦	Ø19,05	54,6	83,6	Ø58	145,6	PT 1/8"
A②③-K25-⑦	Ø25,4	51,6	80,6	Ø58	140,6	
A②③-K40-⑦	Ø38,1	61	99	Ø76	183,5	
A②③-K50-⑦	Ø50,8	86,4	130,9	Ø89	223,4	
A②③-K63-⑦	Ø63,5	88	146	Ø116	251,5	PT 1/4"
A②③-K80-⑦	Ø76,3	90	149,5	Ø119	260	
A②③-K100-⑦	Ø101,6	108	182,5	Ø149	310	PT3/8"
A②③-K160-⑦	Ø152,4	138	237,5	Ø199	420	

KF Right Angel Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

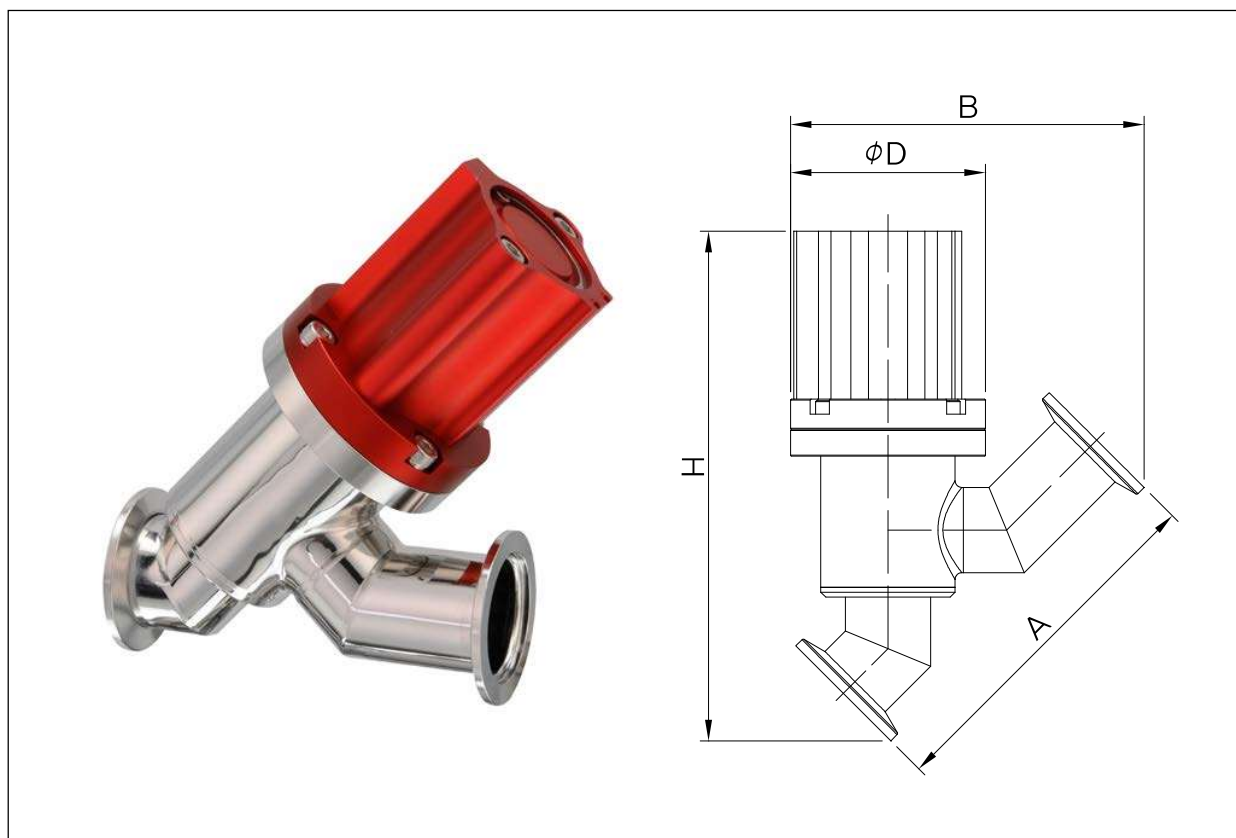
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
AMW-K16-X	Ø19,05	54,6	83,6	Ø58	130,8	None
AMW-K25-X	Ø25,4	51,6	80,6	Ø58	125,8	
AMW-K40-X	Ø38,1	61	99	Ø76	156	
AMW-K50-X	Ø50,8	86,4	130,9	Ø89	189,6	
AMF-K63-X	Ø63,5	88	146	Ø116	236,5	
AMF-K80-X	Ø76,3	90	149,5	Ø119	245	
AMF-K100-X	Ø101,6	108	182,5	Ø149	282,5	
AMF-K160-X	Ø152,4	138	237,5	Ø199	370	

KF Inline valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

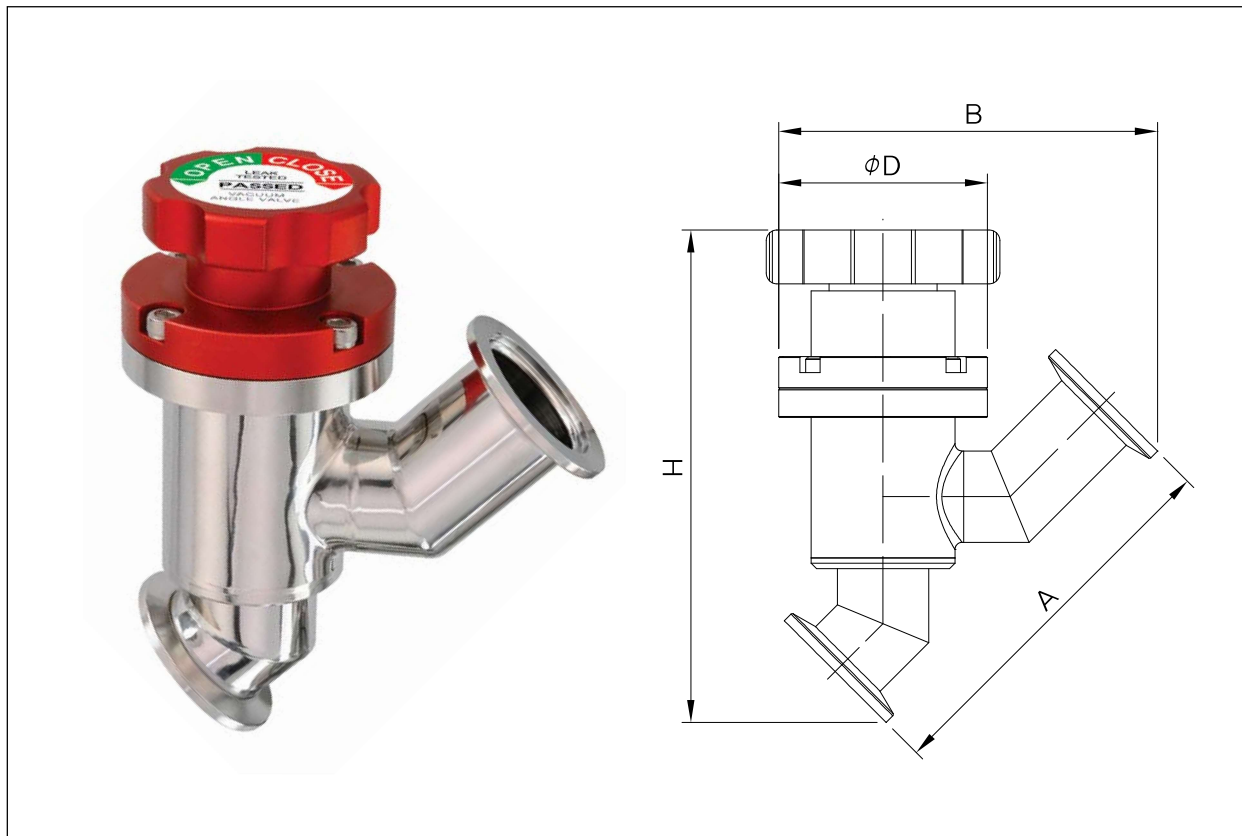
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
Y②③-K16-⑦	Ø19,05	101,6	101	Ø58	147,4	PT 1/8"
Y②③-K25-⑦	Ø25,4	106,7	105,3	Ø58	151,8	
Y②③-K40-⑦	Ø38,1	130	135	Ø76	201,1	
Y②③-K50-⑦	Ø50,8	178	176,8	Ø89	239,7	
Y②③-K63-⑦	Ø63,5	209	214,8	Ø116	292	PT 1/4"
Y②③-K80-⑦	Ø76,3	268	254,6	Ø119	339,8	
Y②③-K100-⑦	Ø101,6	305	296,8	Ø149	396	PT3/8"
Y②③-K160-⑦	Ø152,4	420	403,1	Ø199	543,2	

KF Inline Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

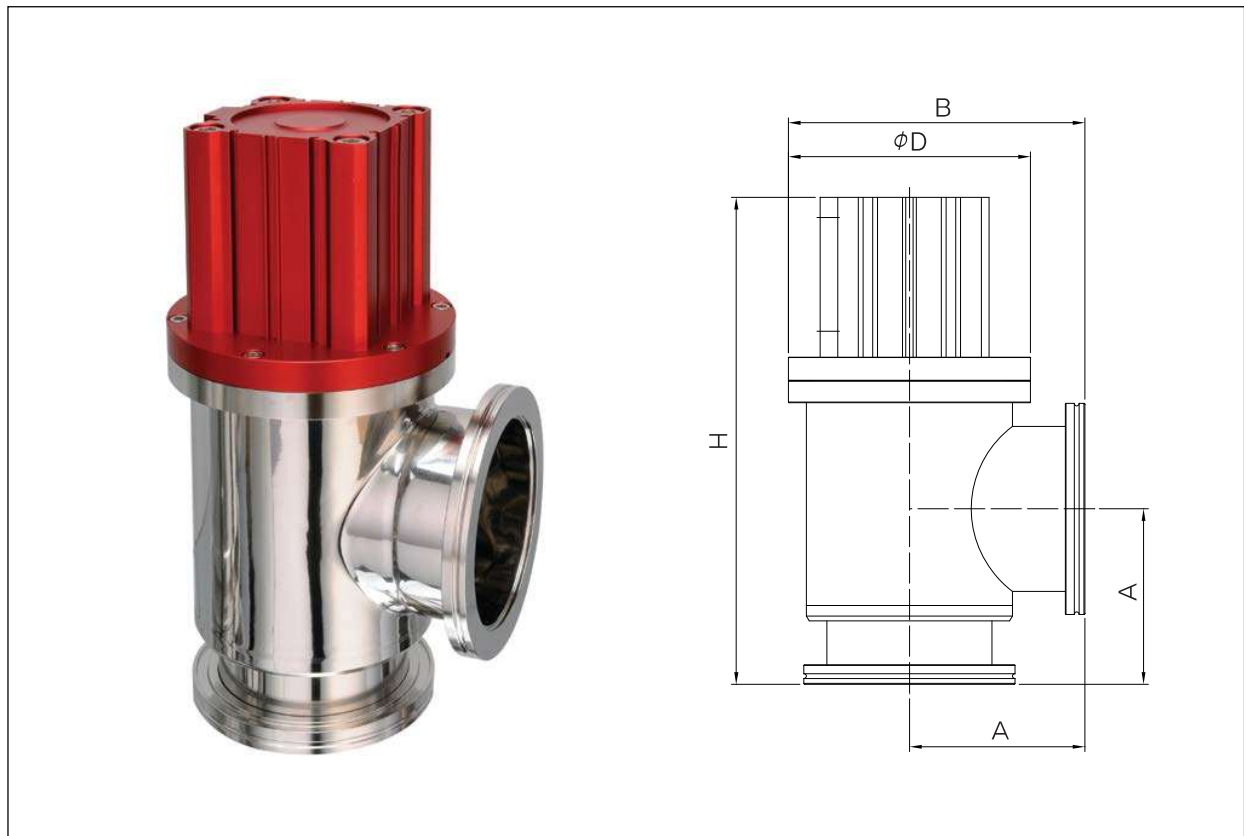
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
YMW-K16-X	Ø19,05	101,6	101	Ø58	134,9	None
YMW-K25-X	Ø25,4	106,7	150,3	Ø58	137	
YMW-K40-X	Ø38,1	130	135	Ø76	173,3	
YMW-K50-X	Ø50,8	178	176,8	Ø89	206	
YMF-K63-X	Ø63,5	209	214,8	Ø116	277	
YMF-K80-X	Ø76,3	268	254,6	Ø119	314,8	
YMF-K100-X	Ø101,6	305	296,8	Ø149	368,8	
YMF-K160-X	Ø152,4	420	406,8	Ø199	497	

ISO-K Right Angel Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

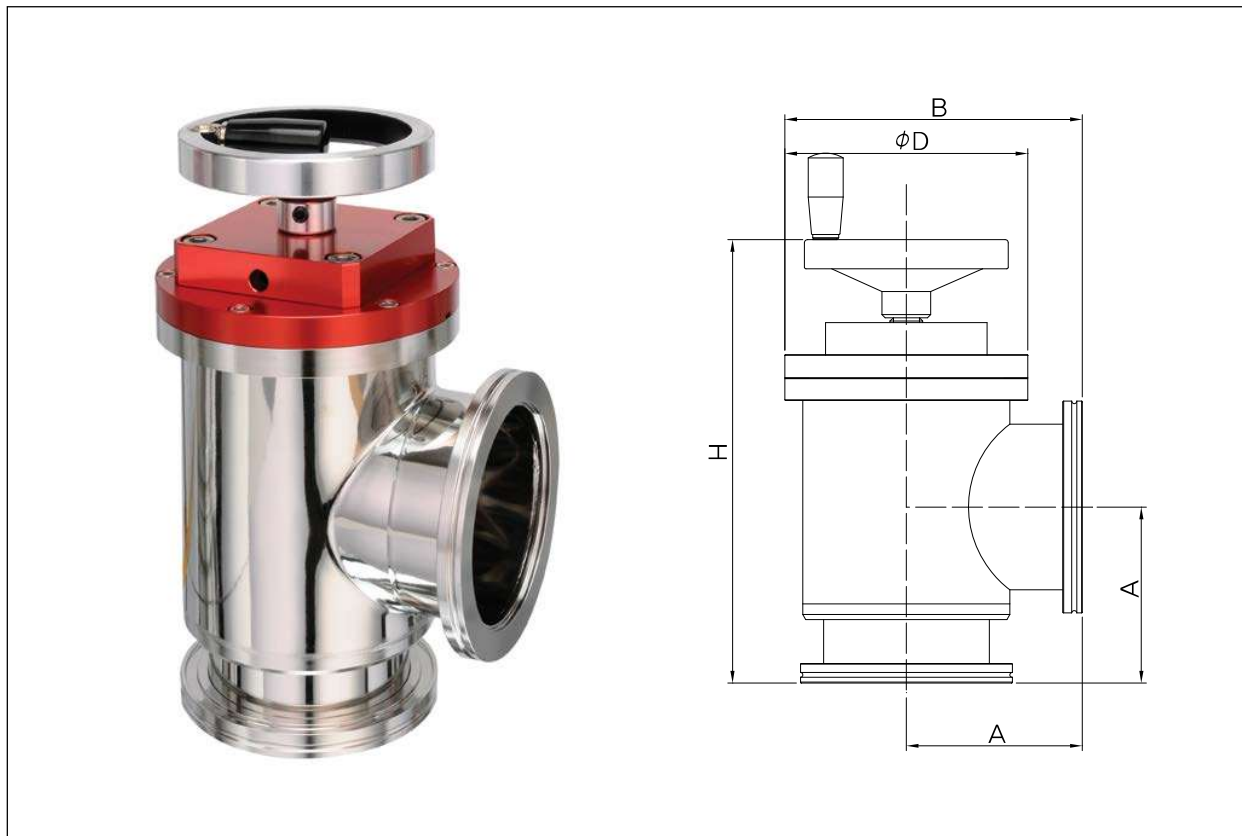
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
A2③-S63-⑦	Ø63,5	88	146	Ø116	251,5	PT 1/4"
A2③-S80-⑦	Ø76,3	90	149,5	Ø119	260	
A2③-S100-⑦	Ø101,6	108	182,5	Ø149	310	PT3/8"
A2③-S160-⑦	Ø152,4	138	237,5	Ø199	420	
A2③-S200-⑦	Ø216,3	175	303	Ø256	630	PT1/2"
A2③-S250-⑦	Ø267,4	220	375	Ø310	720	
A2③-S320-⑦	Ø318,5	260	445	Ø370	837	

ISO-K Right Angel Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

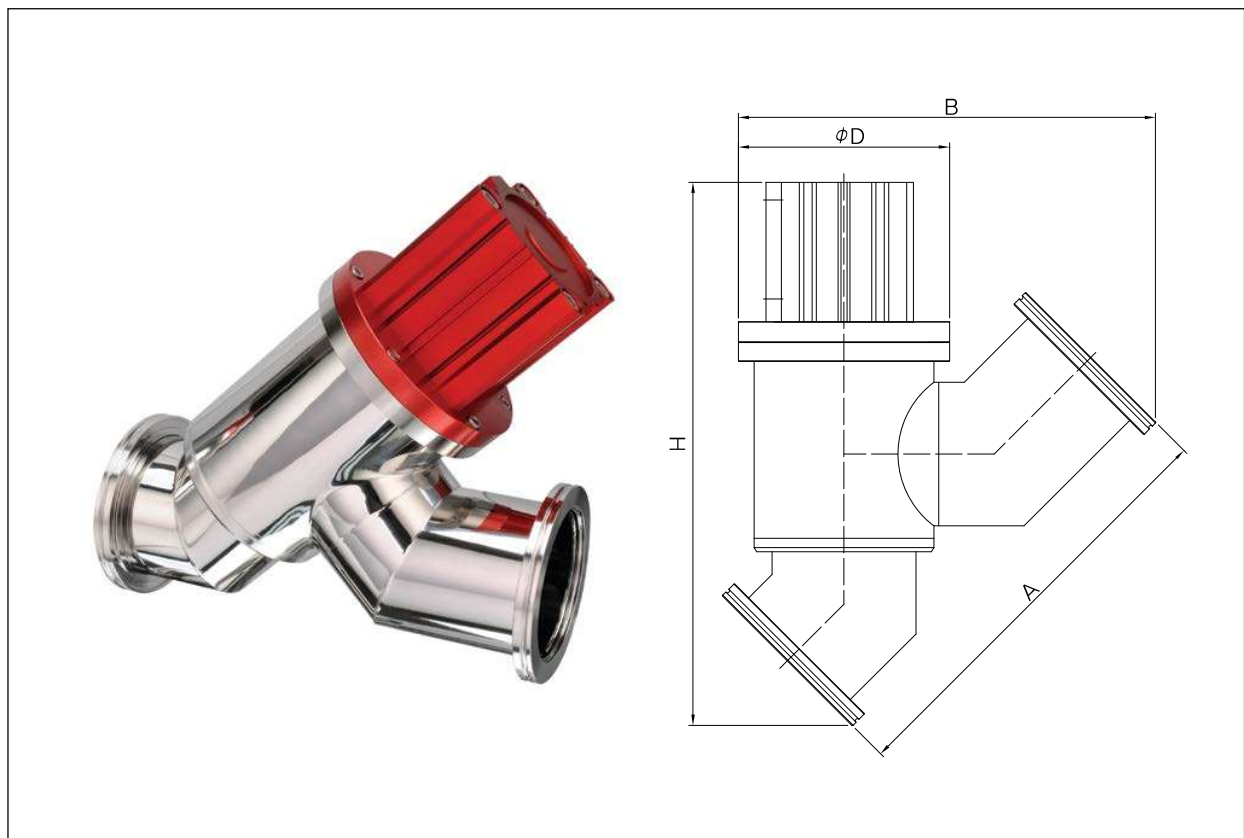
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
AMF-S63-X	Ø63,5	88	146	Ø116	236,5	None
AMF-S80-X	Ø76,3	90	149,5	Ø119	245	
AMF-S100-X	Ø101,6	108	182,5	Ø149	282,5	
AMF-S160-X	Ø152,4	138	237,5	Ø199	370	

ISO-K Inline Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

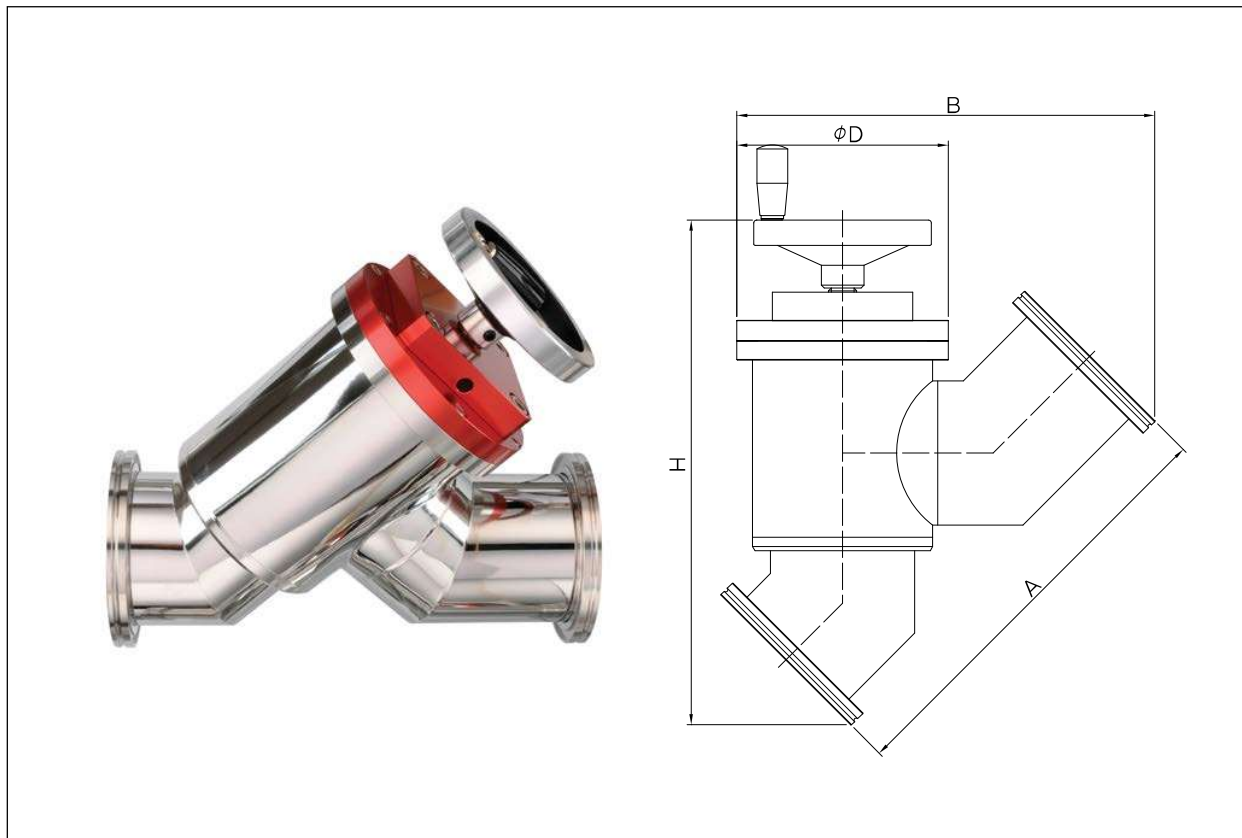
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
Y2③-S63-⑦	Ø63,5	209	214,7	Ø116	292	PT 1/4"
Y2③-S80-⑦	Ø76,3	268	253	Ø119	338,1	
Y2③-S100-⑦	Ø101,6	305	295,2	Ø149	394,4	PT3/8"
Y2③-S160-⑦	Ø152,4	420	403,1	Ø199	543,2	

ISO-K Inline Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

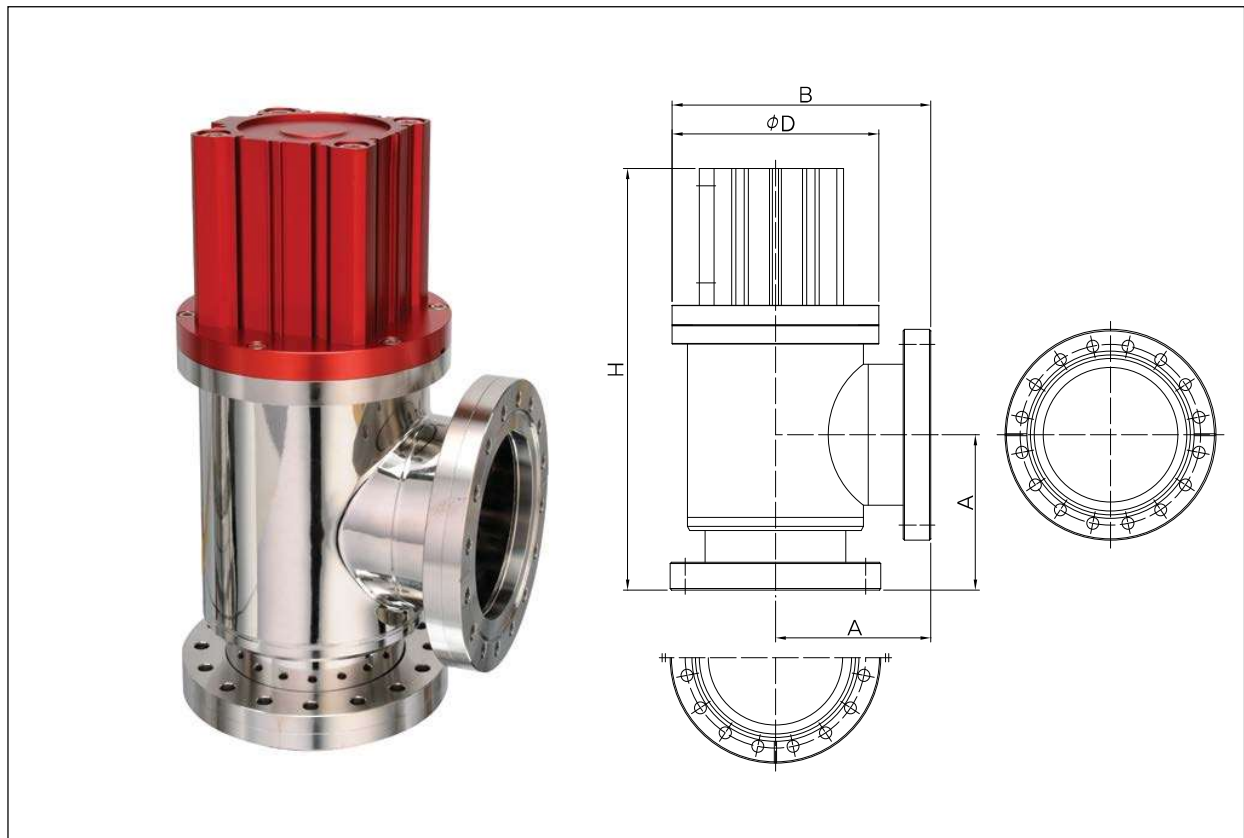
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
YMF-S63-X	Ø63,5	209	214,7	Ø116	277	None
YMF-S80-X	Ø76,3	268	253	Ø119	313,1	
YMF-S100-X	Ø101,6	305	295,2	Ø149	367	
YMF-S160-X	Ø152,4	420	403,1	Ø199	493,2	

CF Right Angle Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

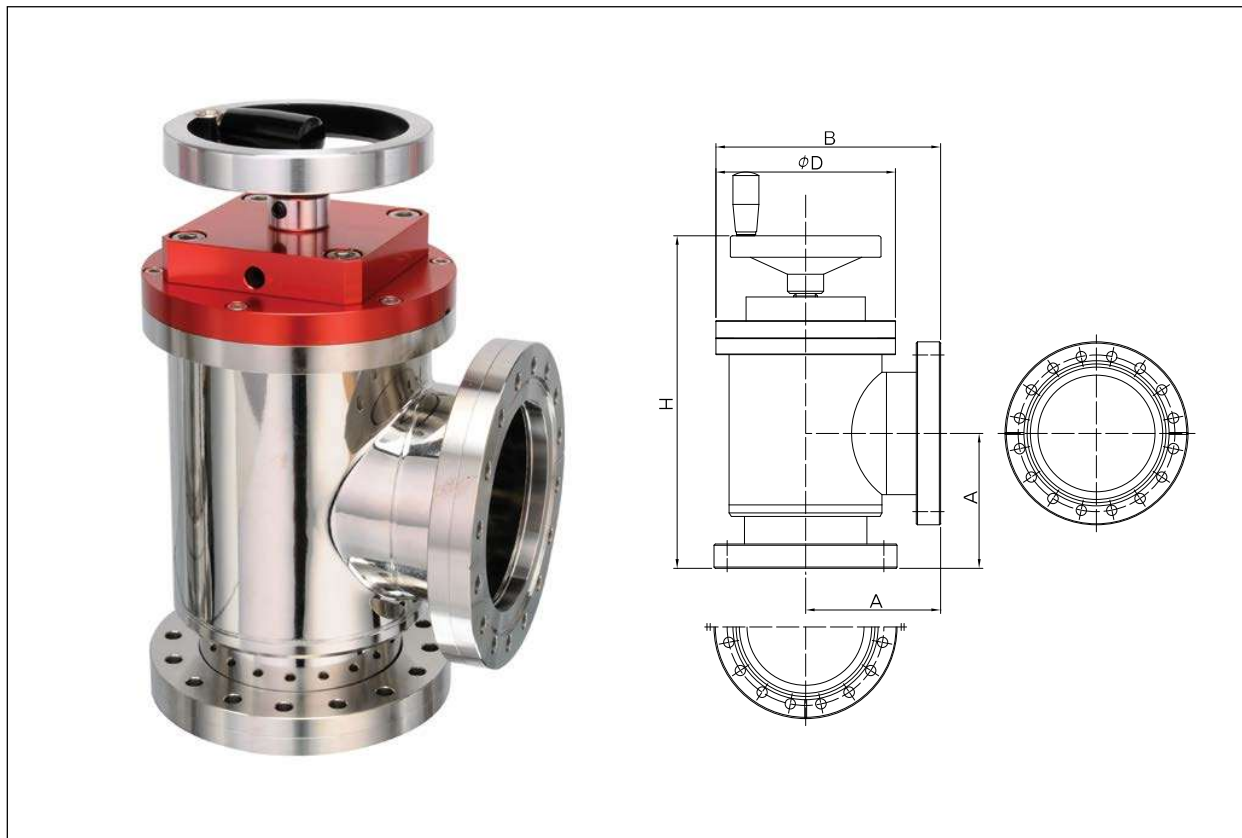
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
A2③-C1,33⑥-⑦	Ø19,05	55,4	84,4	Ø58	146,4	PT 1/8"
A2③-C2,75⑥-⑦	Ø38,1	63,2	101,2	Ø76	185,7	
A2③-C3,375⑥-⑦	Ø50,8	90,9	135,4	Ø89	227,9	
A2③-C4,5⑥-⑦	Ø63,5	90,5	148,5	Ø116	254	PT 1/4"
A2③-C6⑥-⑦	Ø101,6	112	186,5	Ø149	314	PT 3/8"
A2③-C8⑥-⑦	Ø152,4	143,3	242,8	Ø199	425,2	
A2③-C10⑥-⑦	Ø216,3	181	309	Ø256	636	PT1/2"

CF Right Angle Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

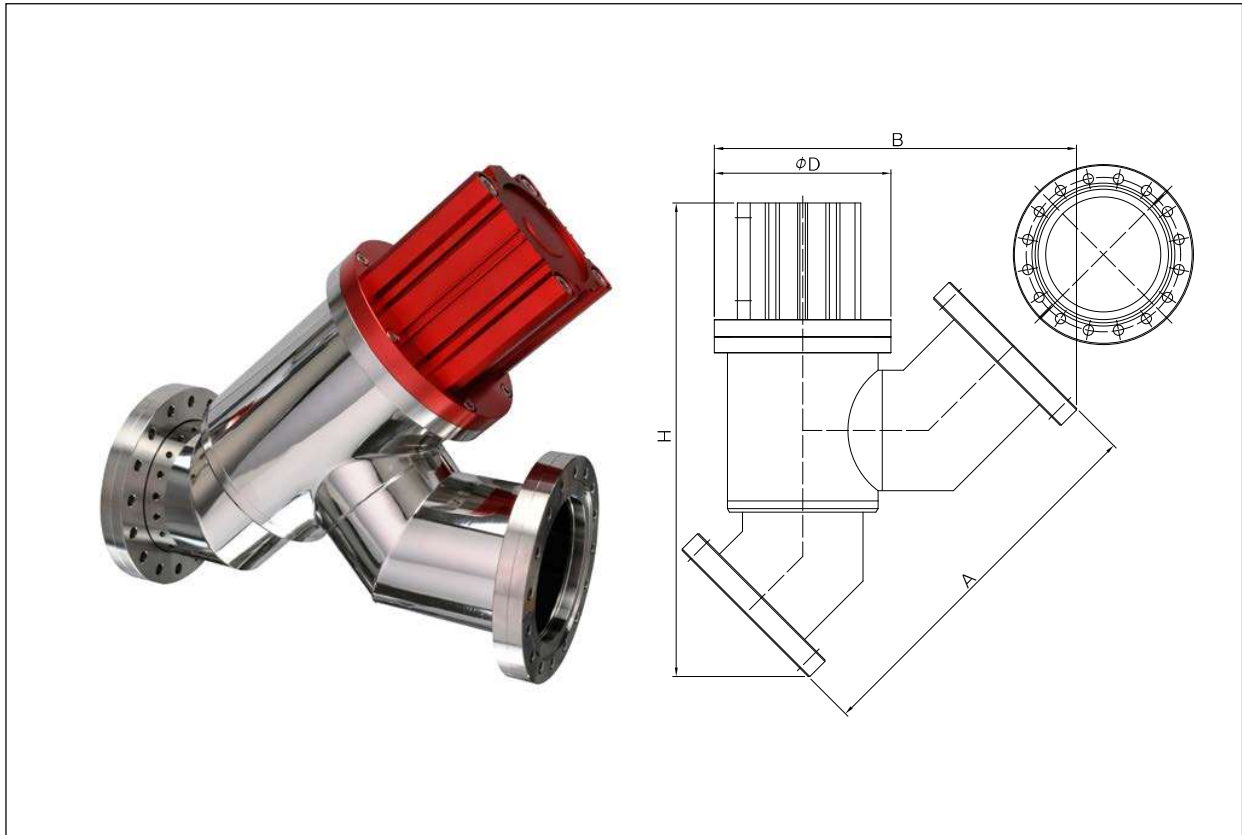
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
AMW-C1,33⑥-X	Ø19,05	55,4	84,4	Ø58	131,6	None
AMW-C2,75⑥-X	Ø38,1	63,2	101,2	Ø76	158,2	
AMW-C3,375⑥-X	Ø50,8	90,9	135,4	Ø89	194,1	
AMF-C4,5⑥-X	Ø63,5	90,5	148,5	Ø116	239	
AMF-C6⑥-X	Ø101,6	112	186,5	Ø149	286,5	
AMF-C8⑥-X	Ø152,4	143,3	242,8	Ø199	375,3	
AMF-C10⑥-X	Ø216,3	181	309	Ø256	480	

CF Inline Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

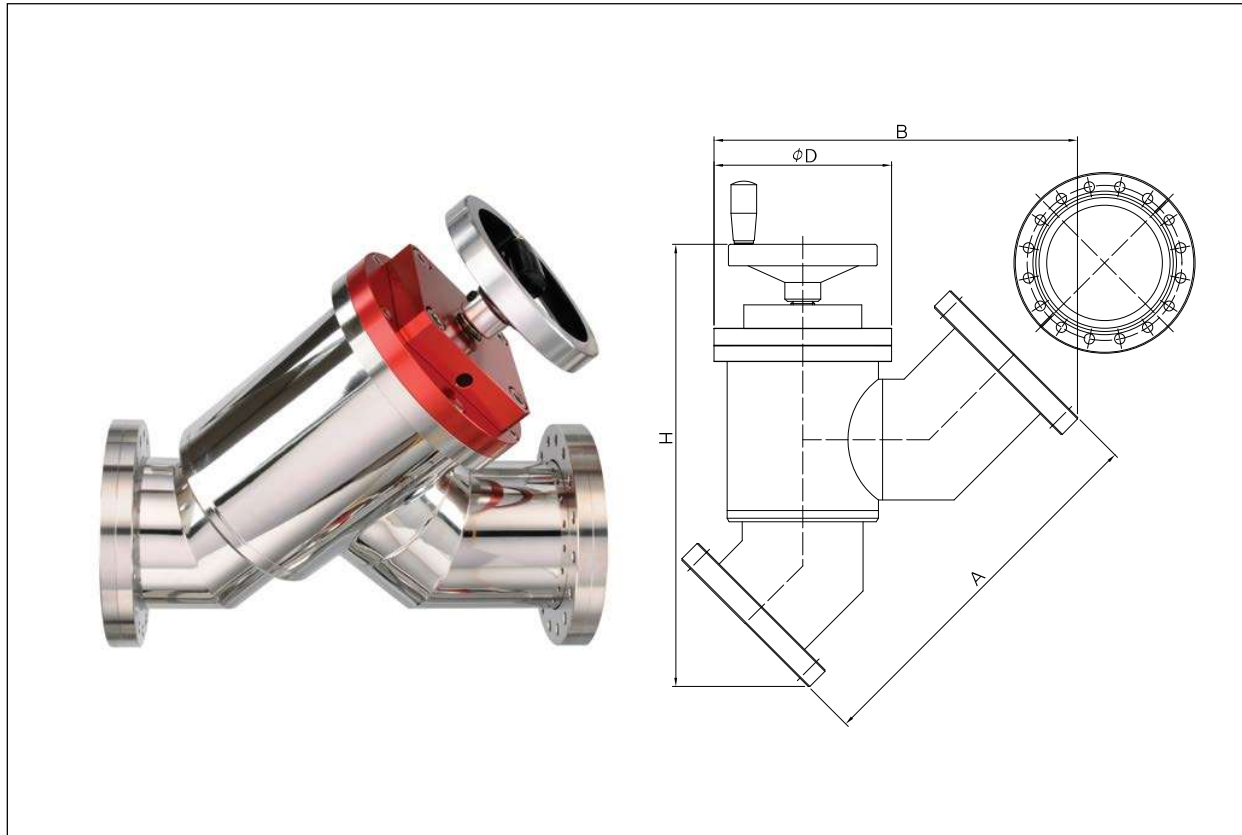
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
Y2③-C1,33⑥-⑦	Ø19,05	110	102,6	Ø58	153,8	PT 1/8"
Y2③-C2,75⑥-⑦	Ø38,1	150	141,2	Ø76	218,3	
Y2③-C3,375⑥-⑦	Ø50,8	200	183,3	Ø89	255,5	
Y2③-C4,5⑥-⑦	Ø63,5	230	222,5	Ø116	311,1	PT 1/4"
Y2③-C6⑥-⑦	Ø101,6	320	305,3	Ø149	409,5	PT 3/8"
Y2③-C8⑥-⑦	Ø152,4	430	414,7	Ø199	554,8	
Y2③-C10⑥-⑦	Ø216,3	550	535,2	Ø256	826,9	PT1/2"

CF Inline Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

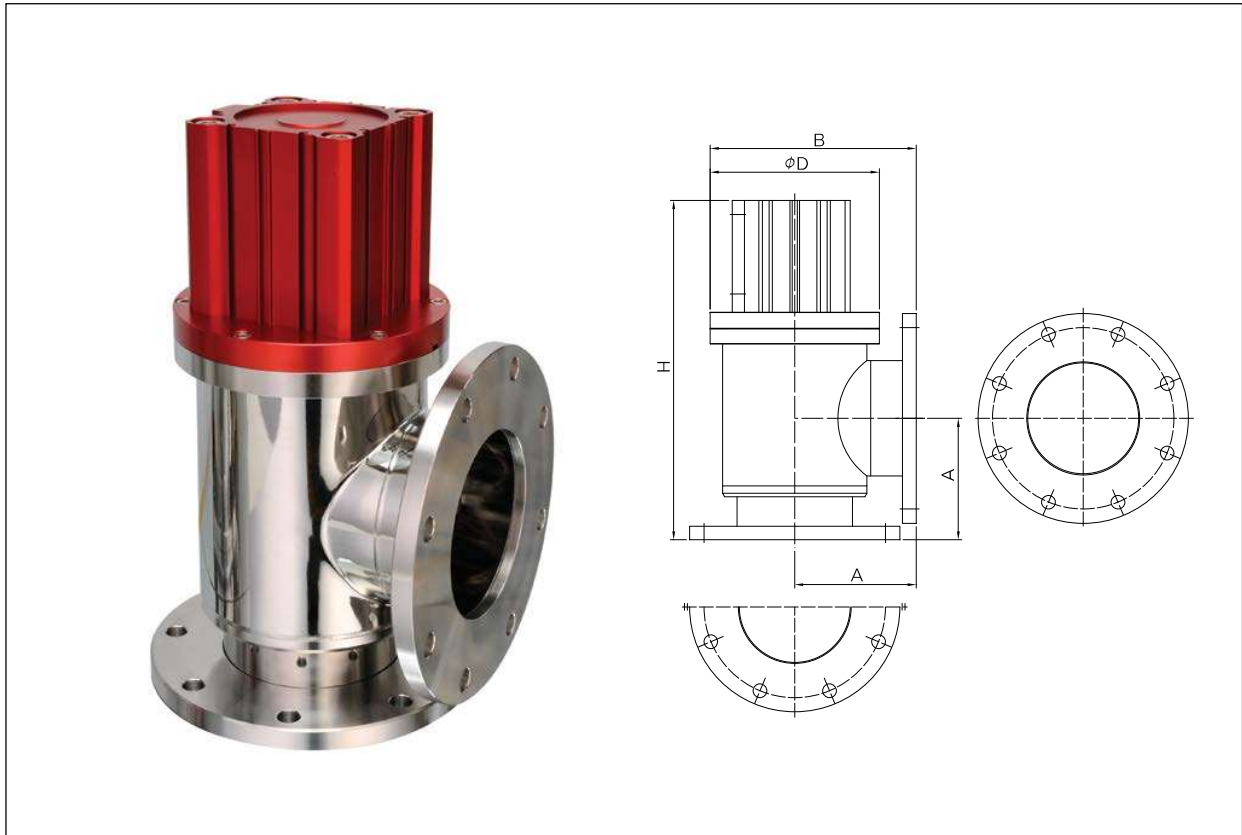
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
YMW-C1,33⑥-X	Ø19,05	110	102,6	Ø58	141,3	None
YMW-C2,75⑥-X	Ø38,1	150	141,2	Ø76	190,5	
YMW-C3,37⑥-X	Ø50,8	200	183,3	Ø89	221,7	
YMF-C4,5⑥-X	Ø63,5	230	222,5	Ø116	296,1	
YMF-C6⑥-X	Ø101,6	320	305,3	Ø149	382	
YMF-C8⑥-X	Ø152,4	430	414,7	Ø199	504,8	
YMF-C10⑥-X	Ø216,3	550	535,2	Ø256	670,9	

JIS Right Angle Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

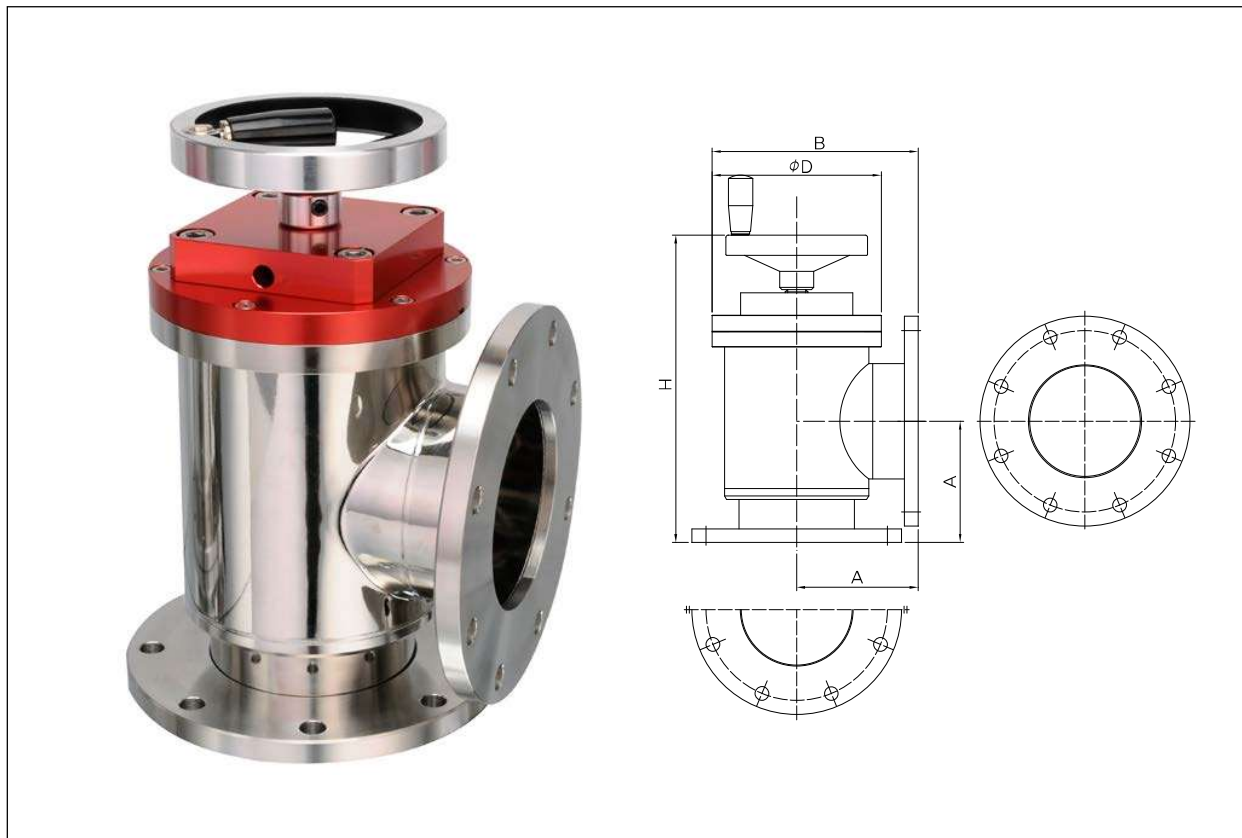
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
A2③-④65⑥-⑦	Ø63.5	86	144	Ø116	249.5	PT 1/4"
A2③-④80⑥-⑦	Ø76.3	95	154.5	Ø119	275	
A2③-④100⑥-⑦	Ø101.6	107	181.5	Ø149	309	PT 3/8"
A2③-④150⑥-⑦	Ø152.4	137	236.5	Ø199	419	
A2③-④200⑥-⑦	Ø216.3	176	304	Ø256	631	PT 1/2"
A2③-④250⑥-⑦	Ø267.4	221	376	Ø310	721	
A2③-④300⑥-⑦	Ø318.5	258	443	Ø370	835	

JIS Right Angle Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <1.2 bar

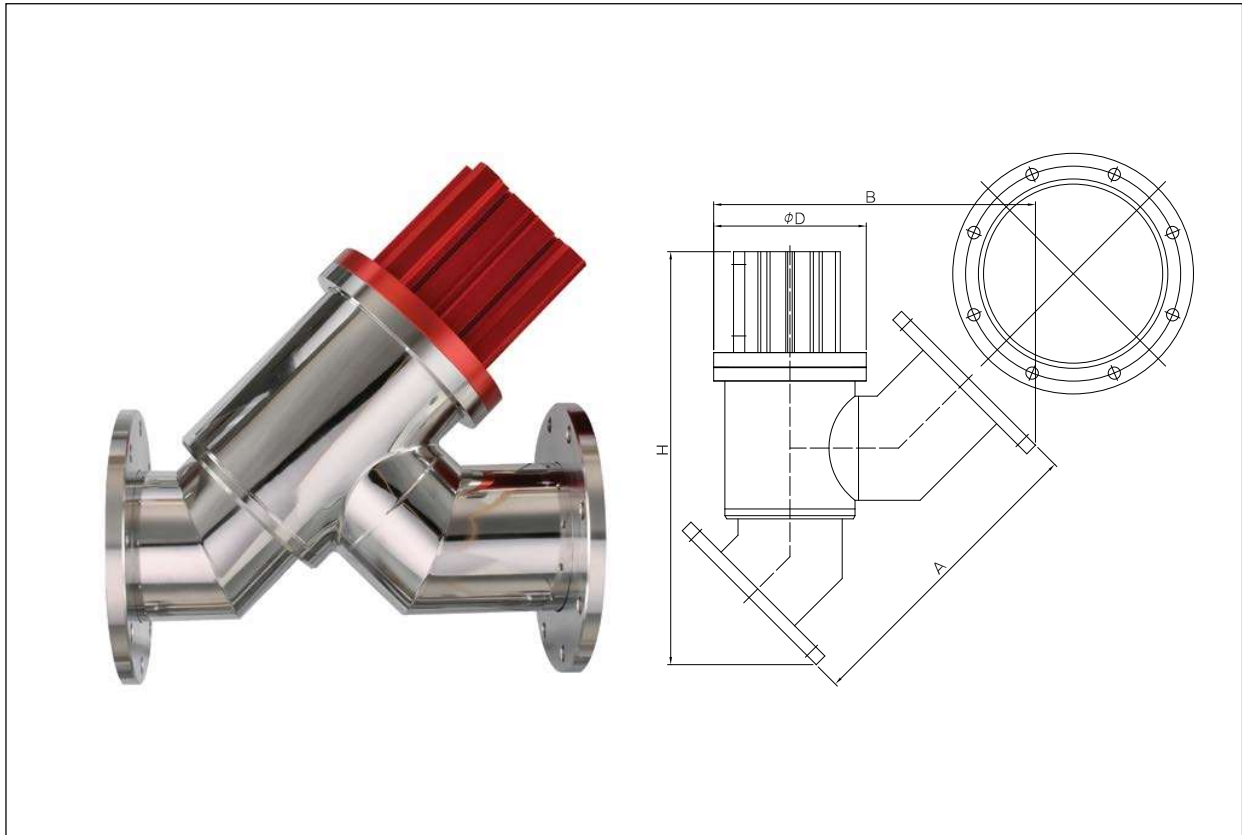
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
AMF-④65⑥-X	Ø63,5	86	144	Ø116	234,5	None
AMF-④80⑥-X	Ø76,3	95	154,5	Ø119	250	
AMF-④100⑥-X	Ø101,6	107	181,5	Ø149	281,5	
AMF-④150⑥-X	Ø152,4	137	236,5	Ø199	369	

JIS Inline Valve

Pneumatic & Single acting



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Cylinder side O-ring : NBR
- Actuator : AL6061, Anodized
- Bellows : SUS316L, SUS316 Ti, etc.

Required Air Pressure : 4 ~ 6 bar

Differential Pressure : <1.2 bar

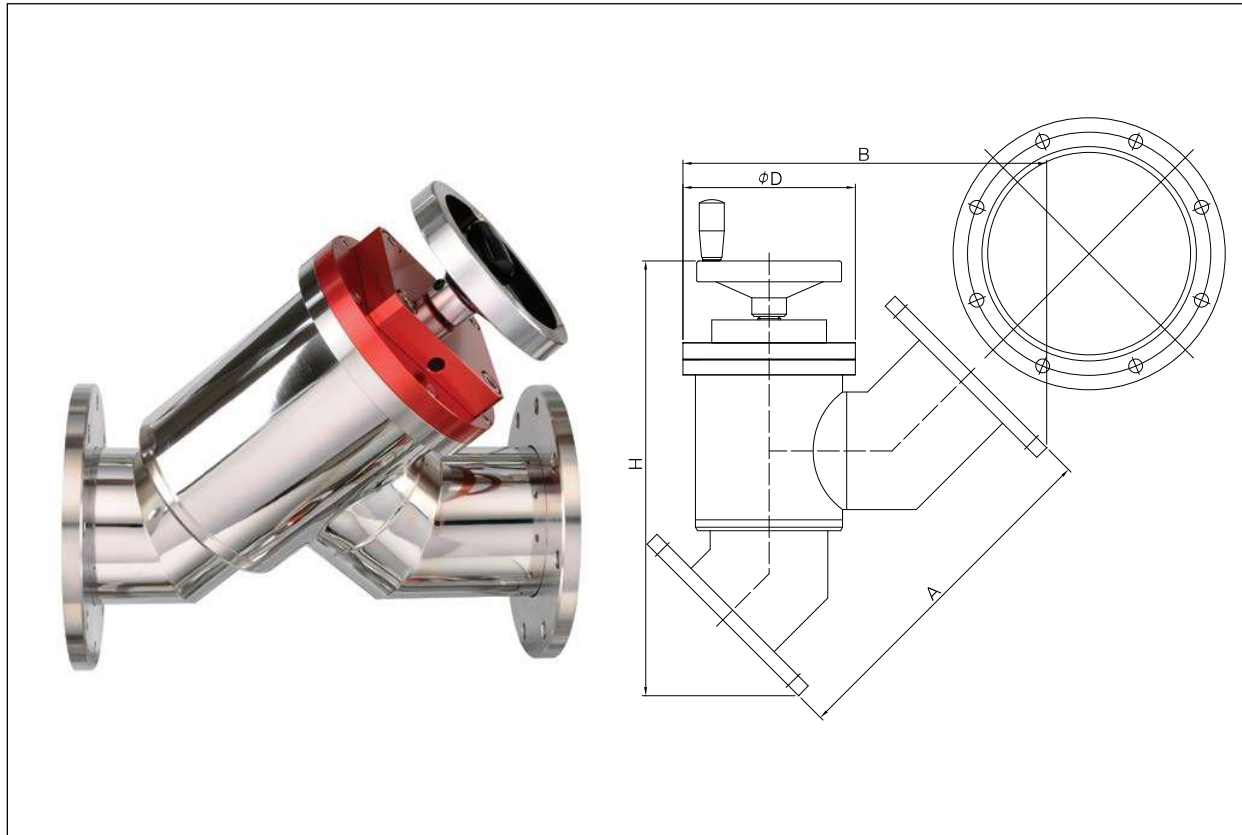
Max working Temp : <60°C

He Gas Leak Rate : <5.0 x 10⁻⁹ STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
Y2③-④65⑥-⑦	Ø63.5	205	231.2	Ø116	308.4	PT 1/4"
Y2③-④80⑥-⑦	Ø76.3	266	270.2	Ø119	355.3	
Y2③-④100⑥-⑦	Ø101.6	303	314.2	Ø149	413.4	PT 3/8"
Y2③-④150⑥-⑦	Ø152.4	418	422.2	Ø199	562.3	

JIS Inline Valve

Manual



Material

- Body & Flanges : SUS304, Mechanical Polishing & Electro-polishing
- Vacuum Side O-ring : Viton Black
- Handle : AL
- Bellows : SUS316L, SUS316 Ti, etc.

Differential Pressure : <math><1.2</math> bar

Max working Temp : <math><60</math>°C

He Gas Leak Rate : <math><5.0 \times 10^{-9}</math> STD cc/sec

Model	Port OD (mm)	A (mm)	B (mm)	D (mm)	H (mm)	Air Pilot Port
YMF-④65⑥-X	Ø63,5	205	231,2	Ø116	293,4	None
YMF-④80⑥-X	Ø76,3	266	270,2	Ø119	330,3	
YMF-④100⑥-X	Ø101,6	303	314,2	Ø149	385,9	
YMF-④150⑥-X	Ø152,4	418	422,2	Ø199	667,3	