JDV CONTROL VALVES

JSB-F/M Series

V-Port Segment Control Valve

TAIWAN EXCELLENCE 2015

JSB-F/JSB-M Series
V-Port Segment Control Valve

JSB-F/JSB-M Series V-Port Segment Control Valve is the segment ball with V-notch design for both regulating and shut-off services. The high valve capacity with optimum flow characteristics provides the ideal solution in flow control.

APPLICABLE STANDARDS

- Design: ASME B16.34 / EN 12516 / JIS B2071
- Size Range : 1”~20” (DN25~DN500)
- Pressure Rating : JIS 10K / 20K / 40K
  ASME CLASS 150 / 300 / 600
  DIN PN16 / PN40 / PN100
- Temperature Range : -20~661°F (-29~350°C)
- Connection Ends : Flangeless / RF Flanged
- Face-to-face Dimensions : According to ISA 75.08.02
- Flanged Dimensions : JIS B2220 / ASME B16.5 / EN 1092-1
- Body Material : Standard in WCB, CF8, CF8M
  Other materials are available according to requirements.
- Body Pressure Test : ASME B16.34 / API 598 / EN 122661-1 / JIS B2003
- Rangeability : Greater than 150:1
- Seat Leakage : ANSI/FCI70-2
  Soft Seat : Class VI
  Metal Seat : Standard Class V, Class VI on request.
- Anti-Static : DIN EN ISO 17292

INDUSTRIAL FIELDS

- Oil & Gas
- Refinery / Petrochemical
- Chemical
- Pulp & Paper
- Power Plant
- Steel Mill
- Food
- Mining
- Water Treatment

PRODUCT FEATURES

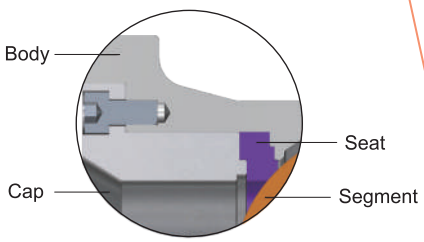
- 1-PC Body design reducing the leakage.
- V-segment design providing the large and straight path giving a high Cv even in case of fibers or particles.
- Trunnion design with self-lubricating bearings making the torque lighter and life cycle longer.
- 90° V-notch in the segment offering a shearing function to allow fibrous mediums or slurries to pass without any obstruction.
- Optional seat design meeting many applications.
- Alternative hard faces satisfying numerous services.
- Spring-loaded metal seat design providing a lower torque.
- Removable end-cap making the maintenance easier.
- Equal percentage flow characteristics.
- Splined stem design reducing the deadband to optimize the control performance.
- Available in flangeless and flanged connections.
- Modular V-trim attenuator design.
- ISO 5211 mounting pad.
- Anti-static design.
- Anti-blowout stem design.

JIS 10K/20K **ASME Class 150/300** **DIN PN16/40**

APPLICATIONS

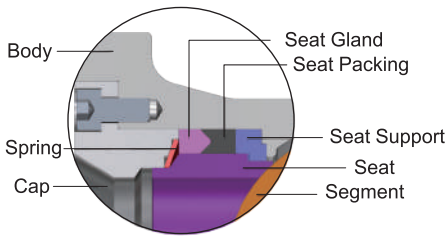
1. Flow control.
2. Pressure control.
3. Slurries or viscous mediums.
4. Mediums containing powders or particles.
5. Mediums with chips or fibers, especially in the Pulp & Paper industry.

Seat Options:



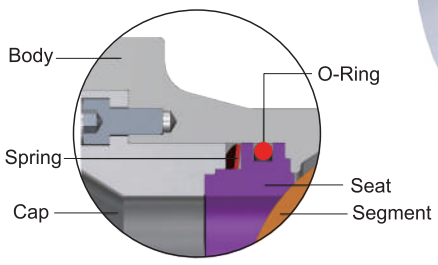
Soft Seat

Temp. : -20~356 °F (-29~180 °C)



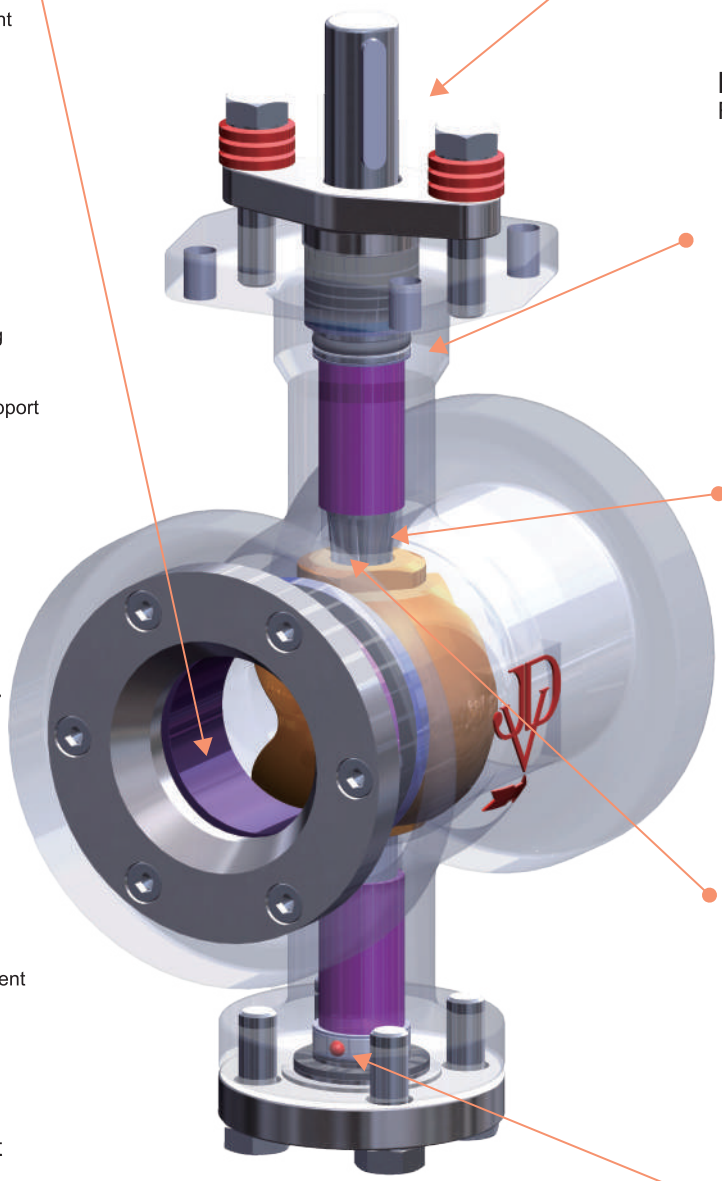
Metal Seat-S01 Type

Temp. : -20~661 °F (-29~350 °C)
Graphite seat packing design allowing higher temperature range.



Metal Seat-S02 Type

Temp. : -20~446 °F (-29~230 °C)
FKM O-Ring design providing light torque to enhance the control performance.

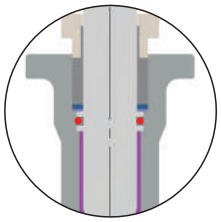


Position Indicator

Delivers clear and accurate open/close status at a glance.

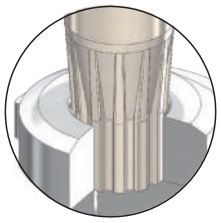
Low Emission Design

FKM O-Ring in standard.

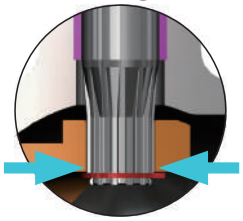


Splined Stem Design

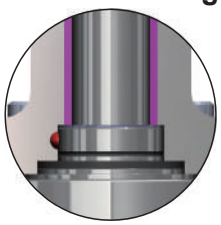
Minimizes dead band for precise control.



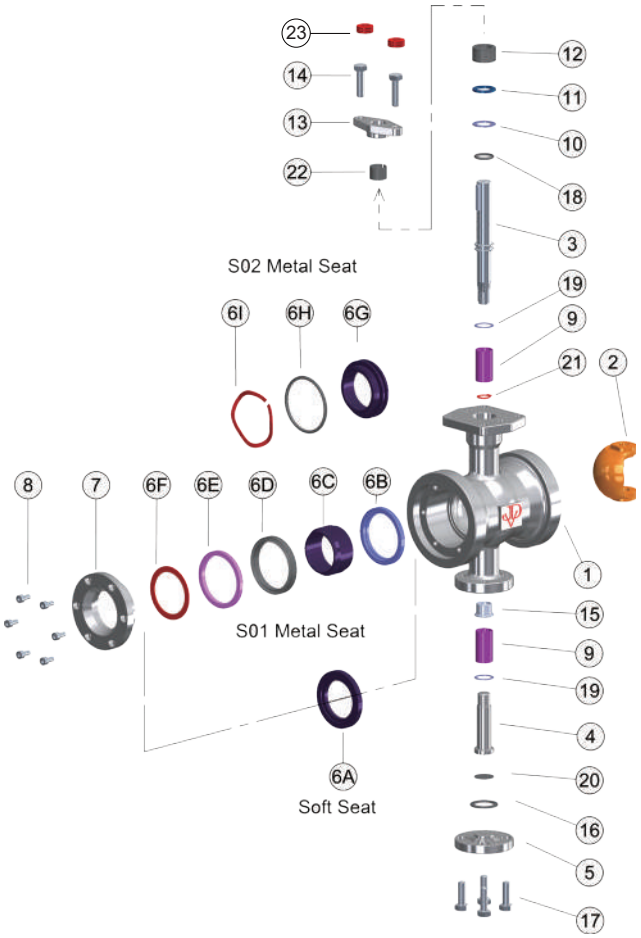
Anti-blowout Design



Anti-Static Design



MATERIALS



JIS 10K/20K ASME Class 150/300 DIN PN16/40

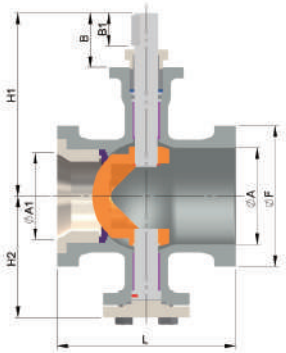
NO		PART NAME	MATERIAL		
1		BODY	A216-WCB	A351-CF8	A351-CF8M
2		SEGMENT-SOFT SEAT	A351-CF8		A351-CF8M
		SEGMENT-METAL SEAT	A351-CF8+ST / TC / CRC		A351-CF8M+ST / TC / CRC
3		STEM	A479-304 / A479-316 / A564-630(HH1150)		
4		SHAFT	A479-304 / A479-316 / A564-630(HH1150)		
5		END COVER	AISI-1045	A479-304	A479-316
SOFT SEAT	6A	SEAT	G-PTFE		
METAL SEAT S01 TYPE	6B	SEAT SUPPORT	A351-CF8		A351-CF8M
	6C	SEAT	A351-CF8+ST / TC / CRC		A351-CF8M+ST / TC / CRC
	6D	PACKING	GRAPHITE		
	6E	SEAT GLAND	A351-CF8		A351-CF8M
	6F	SPRING	INCONEL® X-750		
METAL SEAT S02 TYPE	6G	SEAT	A351-CF8+ST / TC / CRC		A351-CF8M+ST / TC / CRC
	6H	O-RING(3)	FKM		
	6I	SPRING	INCONEL® X-750		
7		CAP	A351-CF8		A351-CF8M
8		BOLT(1)	304SS		
9		THRUST BEARING	A240-316+PTFE		
10		WASHER	G-PTFE / GRAPHITE		
11		WASHER	A240-316+HF		
12		GLAND PACKING	G-PTFE / GRAPHITE		
13		GLAND	A351-CF8		
14		GLAND BOLT	304SS		
15		SUPPORT(2)	A479-304		A479-316
16		COVER GASKET	G-PTFE / GRAPHITE		
17		COVER BOLT	304SS		
18		STEM O-RING(3) (4)	FKM		
19		WASHER	TFE COMP. / A240-316+HF		
20		WASHER	TFE COMP. / GRAPHITE		
21		C-CLIP	STAINLESS STEEL		
22		GLAND BEARING	G-PTFE / A240-316+PTFE		
23		BELLEVILLE WASHER	INCONEL® X-750		

NOTE : (1) For size 2" and above. (2) For size 2-1/2" and above. (3) Max. Temp. 446°F (230°C). (4) For Soft Seat and Metal Seat-S02 Type.

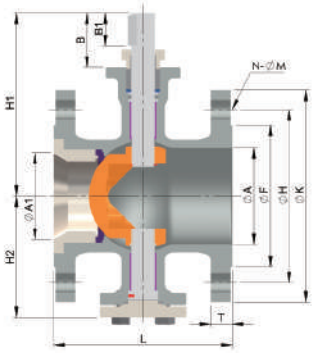
The above materials may be changed with different operating conditions.

DIMENSIONS

FLANGELESS TYPE

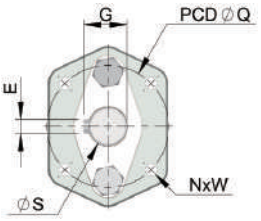


FLANGED TYPE

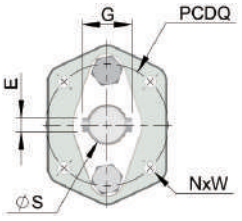


ISO MOUNTING PAD

1"~4"
(DN25~DN100)



5"~20"
(DN125~DN500)



(mm)

SIZE		A	A1	H1	H2	B	B1	S	E	G	Q	NxW	L	FLANGELESS 10/20K,CL150/300,PN16/40 F	FLANGELESS 10/20K,CL150/300,PN16/40 Wt(kg)
25	1"	33	252	108.0	70.0	33.0	20.0	15.5	5	17.5	50	4xM6	102	64	2.5
40	1-½"	49	40	134.0	84.0	45.0	30.0	15.5	5	17.5	70	4xM8	114	82.0	3.75
50	2"	60	50	142.0	91.5	44.0	30.0	15.5	5	17.5	70	4xM8	124	100.0	4.8
65	2-½"*	73	65	150.5	101.0	45.0	30.0	15.5	6	17.5	70	4xM8	140	118.0	5.51
80	3"	89	80	164.0	112.0	45.0	30.0	22.0	8	25.0	70	4xM8	165	131.0	9.11
100	4"	113	100	194.0	133.5	51.0	30.0	22.0	8	25.0	102	4xM10	194	158.0	14.85
125	5"	140	125	215.0	154.0	52.0	30.0	25.0	8	31.0	102	4xM10	254	185.0	25.9
150	6"*	160	132	231.5	170.5	52.0	30.0	25.0	8	31.0	102	4xM10	229	216.0	28.22
200	8"	203	200	279.0	198.5	70.0	45.0	30.0	8	36.0	140	4xM16	243	267.0	45.2
250	10"	252	250	325.5	234.0	75.5	55.0	36.3	14	46.3	140	4xM16	297	–	–
300	12"	300	285	386.0	272.0	86.0	67.0	48.0	14	61.0	165	4xM20	338	–	–
350	14"	350	336	448.5	340.0	113.5	80.0	67.0	20	76.0	165	4xM20	400	–	–
400	16"	400	380	504.5	373.0	134.5	100.0	67.0	20	76.0	165	4xM20	400	–	–
450	18"	450	428	586.0	405.0	150.0	105.0	75.0	20	84.0	254	8xM16	457	–	–
500	20"	500	478	634.5	434.5	169.5	120.0	75.0	20	84.0	254	8xM16	508	–	–

(mm)

SIZE		FLANGED ASME CL150 F	H	K	M	N	T	ASME CL300 F	H	K	M	N	T	CL150 Wt(kg)	CL300 Wt(kg)
25	1"	50.8	79.2	108	16	4	14.2	50.8	88.9	124	19	4	17.2	3.4	5.8
40	1-½"	73.0	98.6	127	16	4	17.4	73.0	114.3	155	22	4	20.5	5.4	8.9
50	2"	91.9	120.6	152	19	4	19.0	91.9	127	165	19	8	22.1	7.2	12.8
65	2-½"*	104.6	139.7	178	19	4	22.1	104.6	149.4	190	22	8	25.4	11.0	16
80	3"	127.0	152.4	190	19	4	23.9	127.0	168.1	210	22	8	28.4	14.5	19.8
100	4"	157.2	190.5	229	19	8	23.9	157.2	200.2	254	22	8	31.7	21.8	32.8
125	5"*	185.7	215.9	254	22	8	23.9	185.7	235	279	22	8	34.8	30.0	42
150	6"	215.9	241.3	279	22	8	25.4	215.9	269.7	318	22	12	36.6	36.0	51
200	8"	269.7	298.4	343	22	8	28.4	269.7	330.2	381	25	12	41.1	59.0	86.5
250	10"	323.8	362	406	25	12	29.9	323.8	387.4	444	29	16	47.5	98.6	143.3
300	12"	381.0	431.8	483	25	12	31.7	381.0	450.8	521	32	16	50.8	165.0	210.6
350	14"	412.8	476.2	533	29	12	34.8	412.8	514.4	584	32	20	53.8	255.0	340
400	16"	469.9	539.8	597	29	16	36.6	469.9	571.5	648	35	20	57.1	340.0	450
450	18"	533.4	577.8	635	32	16	39.6	533.4	628.6	711	35	24	60.2	395.0	515
500	20"	584.2	635	698	32	20	42.6	584.2	685.8	775	35	24	63.5	515.0	695

(mm)

SIZE		FLANGED DIN PN16 F	H	K	M	N	T	DIN PN40 F	H	K	M	N	T	PN16 Wt(kg)	PN40 Wt(kg)
25	1"	68	85	115	14	4	18	68	85	115	14	4	18	5.5	5.5
40	1-½"	88	110	150	18	4	18	88	110	150	18	4	18	8	8
50	2"	102	125	165	18	4	18	102	125	165	18	4	20	13	13
65	2-½"*	122	145	185	18	8	18	122	145	185	18	8	22	13.5	15
80	3"	138	160	200	18	8	20	138	160	200	18	8	24	15	17
100	4"	158	180	220	18	8	20	162	190	235	22	8	24	19.5	26
125	5"*	188	210	250	18	8	22	188	220	270	26	8	26	30.5	36.7
150	6"	212	240	285	22	8	22	218	250	300	26	8	28	36.5	41
200	8"	268	295	340	22	12	24	285	320	375	30	12	34	54	76.5
250	10"	320	355	405	26	12	26	345	385	450	33	12	38	99	133
300	12"	378	410	460	26	12	28	410	450	515	33	16	42	155	191
350	14"	438	470	520	26	16	30	465	510	580	36	16	46	240	320
400	16"	490	525	580	30	16	32	535	585	660	39	16	50	320	440
450	18"	550	585	640	30	20	40	560	610	685	39	20	57	355	465
500	20"	610	650	715	33	20	44	615	670	755	42	20	57	465	625

(mm)

SIZE		FLANGED JIS 10K F	H	K	M	N	T	JIS 20K F	H	K	M	N	T	10K Wt(kg)	20K Wt(kg)
25	1"	67	90	125	19	4	14	67	90	125	19	4	16	3.8	5.5
40	1-½"	81	105	140	19	4	16	81	105	140	19	4	18	6	8.1
50	2"	96	120	155	19	4	16	96	120	155	19	8	18	7.1	11.2
65	2-½"*	116	140	175	19	4	18	116	140	175	19	8	20	10.3	14.2
80	3"	126	150	185	19	8	18	132	160	200	23	8	22	13	17.2
100	4"	151	175	210	19	8	18	160	185	225	23	8	24	19.5	27.6
125	5"*	182	210	250	23	8	20	195	225	270	25	8	26	27.6	37.5
150	6"	212	240	280	23	8	22	230	260	305	25	12	28	34.8	46.8
200	8"	262	290	330	23	12	22	275	305	350	25	12	30	51.8	77.9
250	10"	324	355	400	25	12	24	345	380	430	27	12	34	91	126.8
300	12"	368	400	455	25	16	24	395	430	480	27	16	36	140.5	185
350	14"	413	445	490	25	16	26	440	480	540	33	16	40	208.5	280.5
400	16"	475	510	560	27	16	28	495	540	605	33	16	46	288	386
450	18"	530	565	620	27	20	30	560	605	675	33	20	48	355	443
500	20"	585	620	675	27	20	30	615	660	730	33	20	50	455	615

Face-to-Face dimensions L according to ISA 75.08.02 *Not in ISA standard

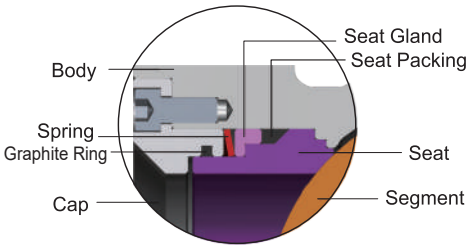
DESIGN FEATURE

JIS 40K **ASME Class 600** **DIN PN100**

APPLICATIONS

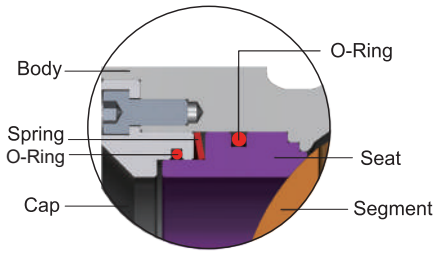
1. High pressure drop control.
2. Pressure control.
3. Slurries or viscous mediums.
4. Mediums containing powders or particles.
5. Mediums with chips or fibers, especially in the Pulp & Paper industry.

Seat Options:



Metal Seat-S03 Type

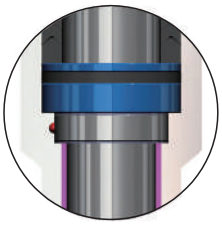
Temp.: -20~661 °F (-29~350 °C)
Graphite Seat Packing allowing higher temperature range.

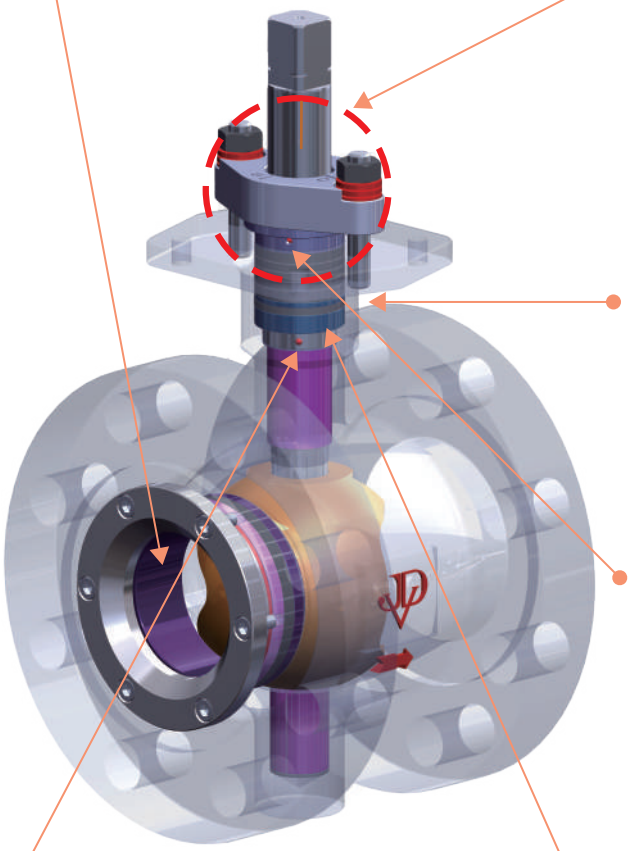


Metal Seat-S04 Type

Temp.: -20~446 °F (-29~230 °C)
FKM O-Ring design providing light torque to enhance the control performance.

Anti-Static Design



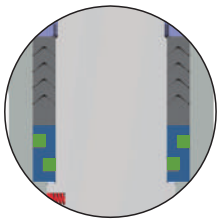


Position Indicator

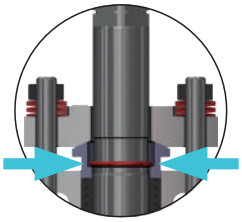
Delivers clear and accurate open/close status at a glance.

Low Emission Design

Double Graphite seals (O-Ring in option)

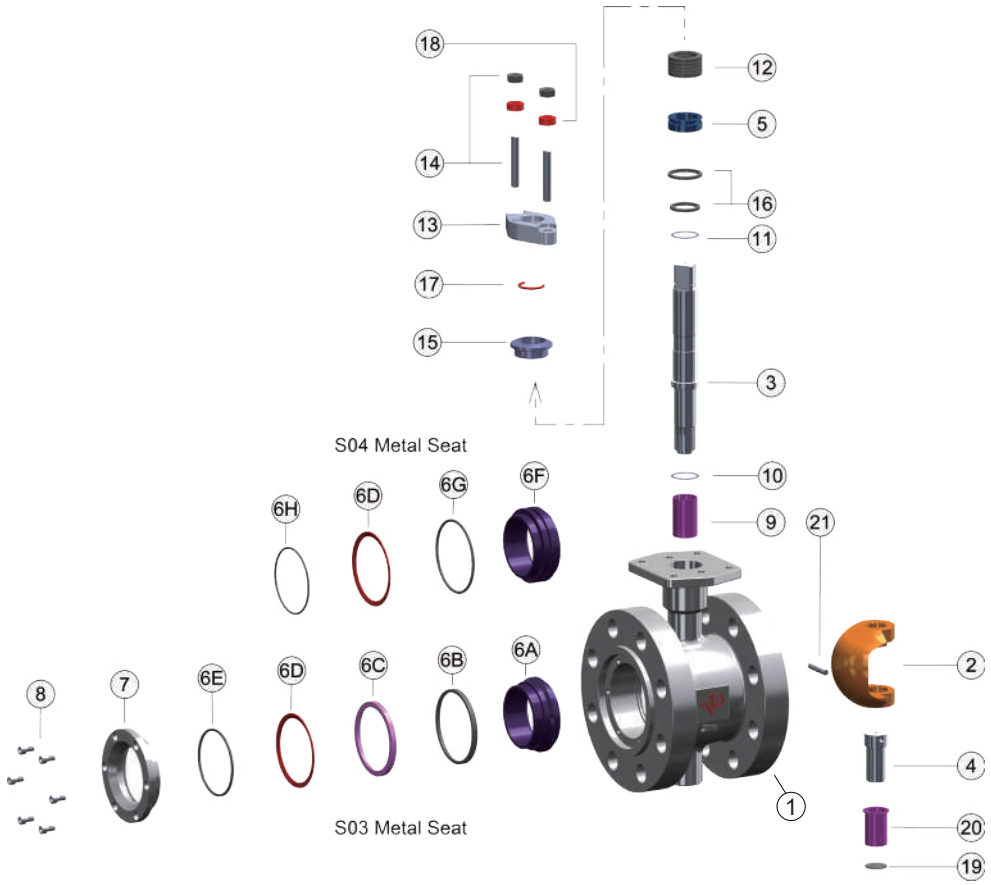


Anti-blowout Design



Splined Stem Design

Minimizes dead band for precise control.



JIS 40K ASME Class 600 DIN PN100

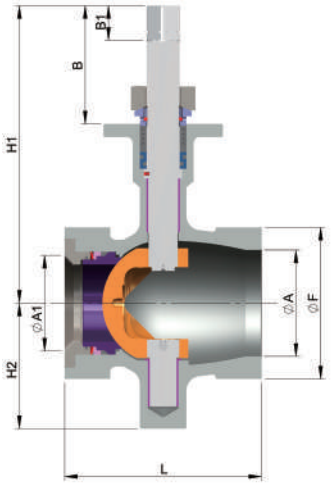
NO		PART NAME	MATERIAL	
1		BODY	A216-WCB	A351-CF8M
2		SEGMENT	A351-CF8M / A351-CF3M / A351-CG8M / DUPLEX+ST / TC / CRC	
3		STEM	A564-630(HH1150) / XM-19 / DUPLEX	
4		SHAFT	A564-630(HH1150) / XM-19 / DUPLEX	
5		STEM RETAINER	A479-316+HF	
METAL SEAT S03 TYPE	6A	SEAT	A351-CF8M / A351-CF3M / A351-CG8M / DUPLEX+ST / TC / CRC	
	6B	PACKING	GRAPHITE	
	6C	SEAT GLAND	316 SS	
	6D	SPRING	INCONEL® X-750	
	6E	ANTI-JAM SEAL	GRAPHITE	
METAL SEAT S04 TYPE	6F	SEAT	A351-CF8M / A351-CF3M / A351-CG8M / DUPLEX+ST / TC / CRC	
	6G	O-RING(1)	FKM	
	6D	SPRING	INCONEL® X-750	
	6H	ANTI-JAM SEAL(1)	FKM	
7		CAP	A351-CF8M / A351-CF3M	
8		BOLT	STAINLESS STEEL	
9		THRUST BEARING	316SS+TFE COMP	
10		WASHER	TFE COMP	
11		WASHER	TFE COMP	
12		GLAND PACKING	GRAPHITE	
13		GLAND FLANGE	A351-CF8M	
14		GLAND BOLT & NUT	STAINLESS STEEL	
15		PACKING FOLLOWER	A479-316+HF	
16		VOC RING	GRAPHITE	
17		FIXED RING	INCONEL® X-750	
18		BELLEVILLE WASHER	INCONEL® X-750	
19		WASHER	316 SS	
20		THRUST BEARING	316SS+TFE COMP	
21		SET SCREW	STAINLESS STEEL	

NOTE : (1) Max. Temp. 446°F (230°C).

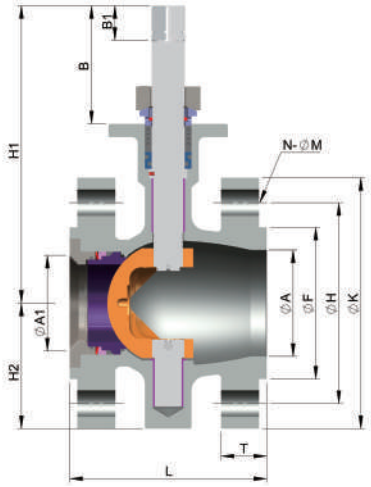
The above materials may be changed with different operating conditions.

DIMENSIONS

FLANGELESS TYPE

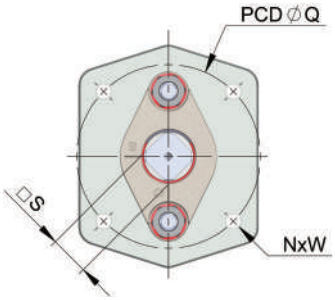


FLANGED TYPE



ISO MOUNTING PAD

2"~8"
(DN50~DN200)



(mm)

SIZE		A	A1	H1	H2	B	B1	S	Q	NxW	L	FLANGELESS CL600	
												F	Wt(kg)
50	2"	60	50	196	80	76	19	14	70	4xM8	124	91.9	8
80	3"	89	80	249	105	99	24	22	102	4xM10	165	127.0	18
100	4"	113	100	284	130	99	24	22	102	4xM10	194	157.2	22
150	6"	160	132	344	165	129	29	27	125	4xM12	229	215.9	43
200	8"	203	200	403	195	163	38	36	140	4xM16	243	269.7	67

(mm)

SIZE		FLANGED ASME CL600						
		F	H	K	N	M	T	Wt(kg)
50	2"	91.9	127	165.0	8	19.0	32	14.0
80	3"	127.0	168	210.0	8	22.0	38	24.0
100	4"	157.2	216	273.0	8	25.0	45	40.0
150	6"	215.9	292	356.0	12	29.0	54	62.0
200	8"	269.7	349	419.0	12	32.0	62	95.0

(mm)

SIZE		FLANGED DIN PN100						
		F	H	K	N	M	T	Wt(kg)
50	2"	102	145	195	4	26	30	13
80	3"	138	180	230	8	26	36	23
100	4"	162	210	265	8	30	40	36
150	6"	218	290	355	12	33	44	56
200	8"	285	360	430	12	36	52	86

(mm)

SIZE		FLANGED JIS 40K						
		F	H	K	N	M	T	Wt(kg)
50	2"	105	130	165	8	19	26	11
80	3"	140	170	210	8	23	32	22
100	4"	165	205	250	8	25	36	34
150	6"	240	295	355	12	33	44	54
200	8"	290	345	405	12	33	50	84

Face-to-Face dimensions L according to ISA 75.08.02

V-TRIM ATTENUATOR DESIGN

Engineered Pressure Letdown Inside the Ball

Multi-stage attenuation integrated within the ball for superior cavitation resistance, low noise, and extended service life.

REDUCES CAVITATION
Multi-stage pressure drop prevents cavitation directly on sealing surfaces, extending the service life.

REDUCES NOISE
Lower velocity and turbulence reduce aerodynamic noise effectively.

IMPROVES RELIABILITY
Reduces erosion and wear risk, improves sealing performance, and ensures stable control.

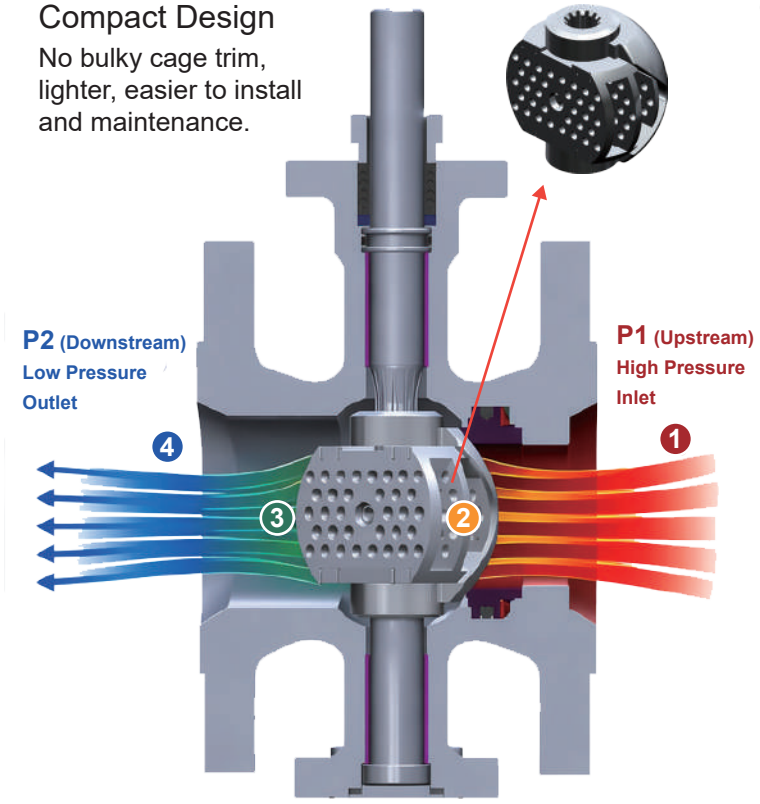
MULTI-STAGE PRESSURE LETDOWN & FLOW DIVISION

The internal Attenuator with multi-hole structure divides the high pressure differential into multiple stages, reducing pressure, noise and cavitation effectively.

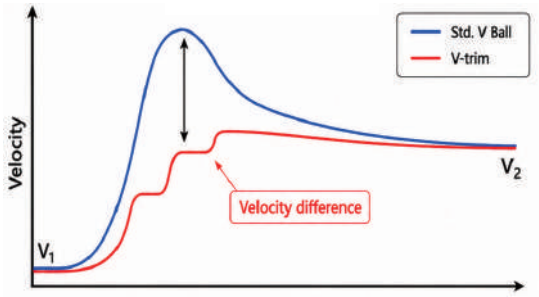
1. **INLET HIGH PRESSURE ZONE (P1 Upstream)**
   High pressure fluid enters the valve.
2. **MULTI-HOLE DISTRIBUTION ZONE**
   The multi-hole attenuator divides the flow into multiple small jets, reducing pressure and velocity.
3. **INTERMEDIATE PRESSURE ZONE**
   Step-by-step pressure reduction with energy dissipation, further reducing noise.
4. **OUTLET LOW PRESSURE ZONE (P2 Downstream)**
   The conditioned flow is discharged steadily, completing pressure letdown.

Compact Design

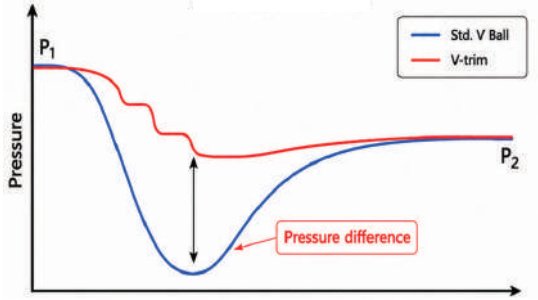
No bulky cage trim, lighter, easier to install and maintenance.



Flow Velocity Comparison



Pressure Distribution Comparison



V-TRIM Cv VALUES

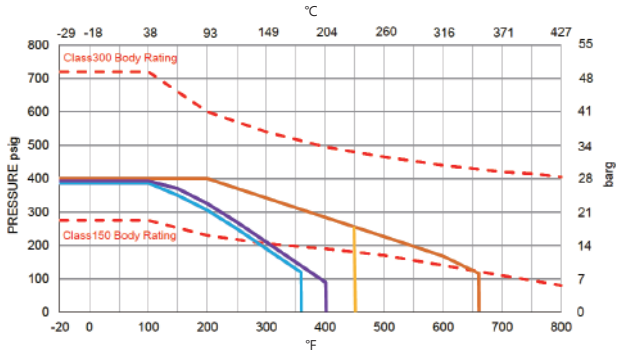
SIZE	OPENING %									
	10	20	30	40	50	60	70	80	90	100
2"	0.19	1.40	3.73	5.59	9.32	13.05	19.11	26.10	34.48	46.60
3"	0.56	4.20	11.20	16.80	28.00	39.20	57.40	78.40	103.60	140.00
4"	0.88	6.60	17.60	26.40	44.00	61.60	90.20	123.20	162.80	220.00
6"	2.13	15.99	42.64	63.96	106.60	149.24	218.53	298.48	394.42	533.00
8"	3.16	23.70	63.20	94.80	158.00	221.20	323.90	442.40	584.60	790.00
10"	5.48	41.10	109.60	164.40	274.00	383.60	561.70	767.20	1013.80	1370.00
12"	7.48	59.00	149.60	224.40	374.00	523.60	766.70	1047.20	1383.80	1870.00

Cv values are for reference only; actual performance depends on operating conditions.

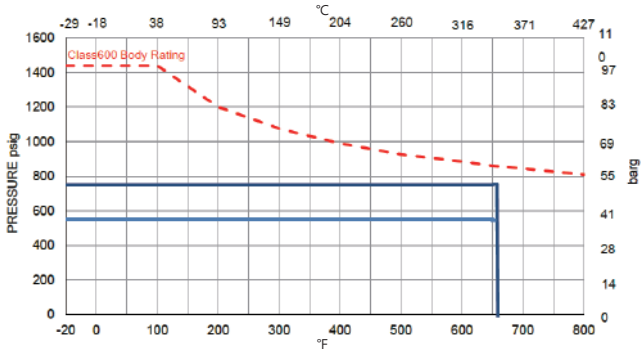
P/T CHART

S01,S03 S02,S04 S-PTFE G-PTFE
2"~3"(DN50-DN80) 4"~8"(DN100-DN200)

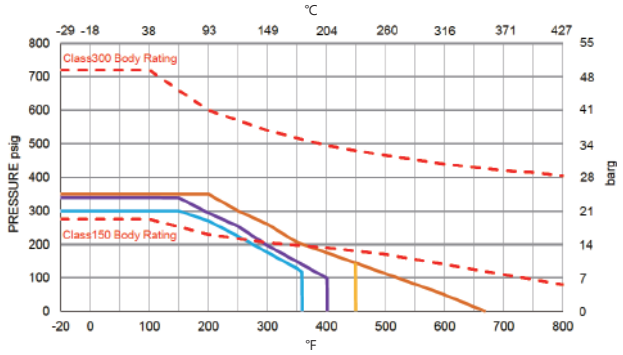
1"~4"(DN25~DN100)



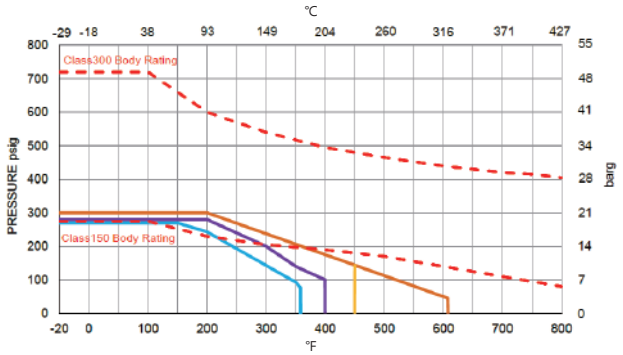
CL600(DN50~DN200)



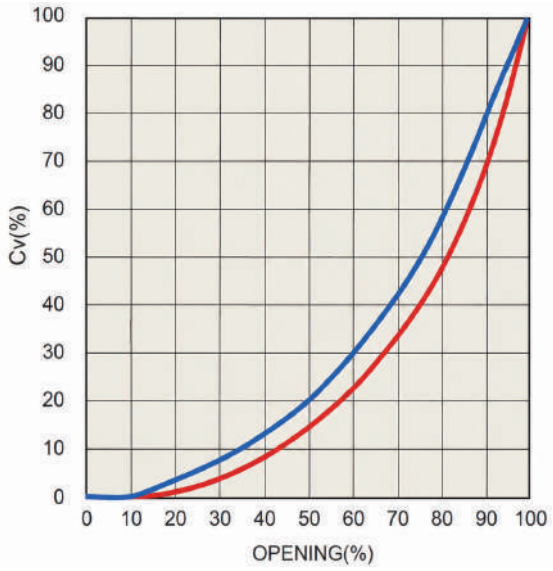
6"~12"(DN150~DN300)



14"~20"(DN350~DN500)



INHERENT FLOW CHARACTERISTICS



STANDARD Cv VALUES
V-TRIM Cv VALUES

STANDARD Cv VALUES

SIZE	OPENING %									
	10	20	30	40	50	60	70	80	90	100
1"	0.01	0.52	1.66	3.44	5.87	9.11	13.36	18.83	27.54	45.50
1-1/2"	0.02	1.06	3.35	6.95	11.85	18.38	26.96	38.00	55.55	81.70
2"	0.20	2.20	5.30	11.00	18.75	29.10	42.67	60.12	87.90	129.30
2-1/2"	0.30	2.79	8.80	10.23	31.10	40.26	70.78	99.74	145.86	214.50
3"	0.60	5.93	14.30	29.67	50.62	78.50	115.20	162.30	237.40	349.10
4"	0.90	8.59	20.70	43.00	73.30	113.70	166.80	235.00	343.70	505.50
5"	1.10	10.20	32.10	66.64	113.70	176.40	258.70	360.60	533.00	784.00
6"	2.10	21.87	52.70	109.30	186.50	289.50	424.54	598.20	874.80	1286.50
8"	3.20	28.63	69.00	143.00	244.10	378.90	555.68	783.00	1145.00	1683.90
10"	5.50	51.77	124.85	258.80	441.50	685.13	1004.80	1416.00	2040.00	3045.00
12"	7.50	62.30	176.50	366.00	624.20	968.60	1420.60	2001.80	2927.40	4305.00
14"	8.60	75.30	237.40	492.20	839.50	1302.00	1910.70	2663.40	3937.00	5790.00
16"	11.30	98.30	310.20	643.00	1097.00	1702.00	2497.00	3480.00	5145.00	7566.00
18"	13.38	116.36	367.19	761.13	1298.54	2014.69	2955.74	4119.33	6090.22	8956.00
20"	16.85	146.61	462.64	958.98	1636.08	2538.38	3724.05	5190.10	7673.30	11284.00

Cv values are for reference only; actual performance depends on operating conditions.

Hard Face Options

SERIES	SEGMENT	SEAT	TEMPERATURE	HARDNESS	APPLICATIONS
SH1	Tungsten Carbide	Tungsten Carbide	450°C (842°F)	HRC 70	*Excellent for high temperature, high wearing, and corrosion resistance.*
SH2	Chromium Carbide	Chromium Carbide	600°C (1112°F)	HRC 60	*Excellent for high temperature cavitation, abrasion and sliding wear. Good hot gas and corrosion resistance.*
ST	Stellite–20	Stellite–12	350°C (662°F)	ST–20 HRC55 ST–12 HRC45	*Good corrosion resistance for environments that need chemical and abrasion resistance.*

Note: The maximum working temperature for the valve assembly is limited to 350°C, although individual material properties may withstand higher temperatures.

HOW TO ORDER

JSB-F Soft Seat

Ex: → W1 → 04 → C → G → 03 → 050 → AI

A. SPECIFICATION	
W1	FLANGELESS
A1	JIS 10K
A2	JIS 20K
C1	ASME CLASS 150
C2	ASME CLASS 300
D2	DIN PN16
D4	DIN PN40

B. BODY MAT'L	
02	WCB/SCPH2/1.0619
03	CF8/SCS13A/1.4308
04	CF8M/SCS14A/1.4408
05	CF3/1.4306
06	CF3M/1.4404
07	CG8M/1.4412
11	LCB/1.1138
15	DUPLEX/1.4470

C. SEGMENT MAT'L	
A	CF8
C	CF8M
D	CF3
E	CF3M
F	CG8M
I	DUPLEX

D. SEAT MAT'L	
G	G-PTFE (15% GLASS FIBER+PTFE)
S	S-PTFE (50% SS316+PTFE)
T	TFM-1600 (M-PTFE)
E	PEEK

E. STEM MAT'L	
02	304 (1.4301)
03	316 (1.4401)
05	317 (1.4449)
07	304L (1.4306)
08	316L (1.4404)
10	S31803 (1.4462)

F. SIZE	
025	1"
040	1-1/2"
050	2"
065	2-1/2"
080	3"
100	4"
125	5"
150	6"
200	8"
250	10"
300	12"
350	14"
400	16"
450	18"
500	20"

G. OPTION	
I	LIVE LOADING
H	LEVER
G	GEAR
A	BARE SHAFT
V	V-TRIM
N	NACE

JSB-M Metal Seat

Ex: → C1 → 04 → C → 7 → 050 → AI → S01 → ST

A. SPECIFICATION	
W1	FLANGELESS
A1	JIS 10K
A2	JIS 20K
A3	JIS 40K
C1	ASME CLASS 150
C2	ASME CLASS 300
C3	ASME CLASS 600
D2	DIN PN16
D4	DIN PN40
D5	DIN PN100

B. BODY MAT'L	
02	WCB/SCPH2/1.0619
03	CF8/SCS13A/1.4308
04	CF8M/SCS14A/1.4408
05	CF3/1.4306
06	CF3M/1.4404
07	CG8M/1.4412
11	LCB/1.1138
15	DUPLEX/1.4470

C. SEGMENT MAT'L	
A	CF8
C	CF8M
D	CF3
E	CF3M
F	CG8M
I	DUPLEX

D. STEM MAT'L	
02	304 (1.4301)
03	316 (1.4401)
05	317 (1.4449)
07	304L (1.4306)
08	316L (1.4404)
10	S31803 (1.4462)
22	630 (1.4542)

E. SIZE	
025	1"
040	1-1/2"
050	2"
065	2-1/2"
080	3"
100	4"
125	5"
150	6"
200	8"
250	10"
300	12"
350	14"
400	16"
450	18"
500	20"

F. OPTION	
I	LIVE LOADING
H	LEVER
G	GEAR
A	BARE SHAFT
V	V-TRIM
N	NACE

G. TEMPERATURE	
S01	-20~661 °F (-29~350 °C)
S02	-20~446 °F (-29~230 °C)
S03	-20~661 °F (-29~350 °C)
S04	-20~446 °F (-29~230 °C)

H. HARD FACE	
ST	SEGMENT W / ST-20
	SEAT W / ST-12
SH1	SEGMENT W / TC
	SEAT W / TC
SH2	SEGMENT W / CRC
	SEAT W / CRC

※ Alternative materials are available on request.

JDV GROUP

TPEX 6843

HEADQUARTERS

NO. 6-1, QINGNIAN RD., YANGMEI DIST., TAOYUAN CITY 326013, TAIWAN

+886-3-4965066

+886-3-4963526

sales@jdv.com.tw

www.jdv.com.tw

JDV CONTROL VALVES

TGT

JDVUSA

JDV Website

Android – ipad & phone

IOS – ipad & iphone

LINE OA

jdv.valves @jdv.valves jdv_valves

ISO 14001 ISO 9001 ISO 45001

CE