

## Inspection Certificate and Material Test Report (EN10204-1991 3.1.B / EN10204-2004 3.1)

DSI-Valve Solutions 12735 Dairy Ashford Stafford TX 77477 281-637-2000 - Fax 281-637-2299 www.dsivalve.com

Quan	tity Size (	VPS)	Class	$p_{r_i}$	oduc	ť		D	escrip	tion	2.00.50-1.2.2.10				Typ	20	5	ONumb	er I	ine	Sol	d to				Date		
20	2.5	· · · · · · · · ·	300		76662		103052		1 23XL						GAT			C1.1071047								3/17/2		
Pres	sure Test: A	P1600	<b>∀</b> S	atisfac	rtory	Shell	Press	ure:		125 56.6		Back	Seat :		.5 <i>psi</i> 2 <i>kPa</i>	Se	at Pre	ssure	568	825 8.17		S	eat Air	Press	sure	551	80 p .58 l	
							(	Chemi	cal C	Comp	ositio	n [%]		WEEKS PARTITION OF THE STATE OF	***************************************				Λ	<i>Aech</i>	anica	ıl Proj	perties	5				<b>United States</b>
Part	Specif.		HEAT#	C	Si	Mn	P	S	Ni	Cr	Мо	Си	V	W A	b Al	N	Ceq	31.36	ield [ksi] MPa]	and the second		Hard (HB)	Ch.1 (	Ch,2 (	Ch.3 [J]	Ch. A [J]	Temp. [F] [C]	Hea
	YE101	/ 1																										
BODY	ASTM A216 WCB-2	004	J 1806	0.210	0.42	0.92	0.023	0.018	0.012	0.015	0.014	0.038	0.002	Albert Al			0.37		13.65 301	28	45	153						N
BONNET	ASTM A216 WCB-2	800	A 11927	0.210	0.40	0.87	0.025	0.014	0.022	0.05	0.001	0.042	0.005		0.021		0.37	74.10 4	14.37	29	57	151					······································	N
WEDGE	ASTM A216 WCB-2	004	D 0202	0.19	0.42	0.84	0.020	0.019	0.028	0.126	0.026	0.045	0.002				0.37	77.14 4	305.9 15.53	26	43	172		INING AMERICA TO				N
	YE101	/ 2	)	1		···	2					····		23 23				531.86	313.9		****		····				····	
BODY	ASTM A216 WCB-2	004	J 1807	0.220	0.44	0.87	0.024	0.021	0.014	0.012	0.016	0.028	0.001				0.37		13.07 297	26	42	155						N
BONNET	ASTM A216 WCB-2	800	A 11927	0.210	0.40	0.87	0.025	0.014	0.022	0.05	0.001	0.042	0.005		0.021		0.37	1	14.37 305.9	29	57	151						N
WEDGE	ASTM A216 WCB-2	004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013	0.081	0.011	0.035	0.001				0.33	76.42	7.42 326.9	27	43	173	40.04					N
	YE101	/ 3	3																									
BODY	ASTM A216 WCB-2	004	J 1807	0.220	0.44	0.87	0.024	0.021	0.014	0.012	0.016	0.028	0.001				0.37		13.07 297	26	42	155						N
BONNET	ASTM A216 WCB-2	800	A 11927	0.210	0.40	0.87	0.025	0.014	0.022	0.05	0.001	0.042	0.005		0.021		0.37		14.37 305.9	29	57	151						N
WEDGE	ASTM A216 WCB-2	004	D 9562	0.22	0.46	0.94	0.026	0.024	0.028	0.051	0.020	0.017	0.002	***************************************	***************************************		0.39	76.13 4	16.11 317.9	27	44	171					***************************************	N
	YE101	/ 4																				£						
BODY	ASTM A216 WCB-2	004	J 1806	0.210	0.42	0.92	0.023	0.018	0.012	0.015	0.014	0.038	0.002				0.37		13.65 301	28	45	153	15 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					N
BONNET	ASTM A216 WCB-2	800	A 11926	0.230	0.44	0.91	0.026	0.013	0.029	0.059	0.001	0.048	0.005	noaren noarres a	0.012	)	0.40	76.27 4	15.53 313.9	26	53	155	WH. 13.7.2590	262 2XXXX				N
WEDGE	ASTM A216 WCB-2	004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013	0.081	0.011	0.035	0.001				0.33	76.42 4	17.42 326.9	27	43	173				,		N

BODY	ASTM A216 WCB-2004	J 1718	0.21	0.47	0.87	0.021 0.0	22 0.0	16 0.016	0.010	0.069	0.010		0.37	76.27 525.86	40.17 277	27	46	170		N
BONNET	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025 0.0	14 0.0	22 0.05	0.001	0.042	0.005	0.021	0.37	74.10	44.37	29	57	151		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018 0.0	10 0.0	13 0.081	0.011	0.035	0.001		0.33	510.90 76.42		27	43	173		N
	VE404 (		1				***************************************	************		~~~~				526.9	326.9				<u> </u>	
224.004.0140.440.000.000.000	YE101 /	б		6.1721.1876.617.02						No. of the control of	raman habitarana shamba wa marashi sa		w.00.001640000000000000000000000000000000							
BODY	ASTM A216 WCB-2004	J 1717	0.20	0.46	0.82	0.015 0.0	16 0.0	14 0.018	0.010	0.066	0.010		0.35	76.13 524.9		27	45	167		N
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026 0.0	13 0.0	29 0.059	0.001	0.048	0.005	0.012	0.40	76.27	45.53	26	53	155	3	N
WEDGE	ASTM A216 WCB-2004	D 9562	0.22	0.46	0.94	0.026 0.0	24 0.0	28 0.051	0.020	0.017	0.002		0.39	525.86 76.13		27	44	171		N
			<u> </u>				P				· · · · · · · · · · · · · · · · · · ·			524.9	317.9			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
usunga mengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pengangan pen	YE101 /	7												300 T 3 T 1 1 2 2 2 2 3 3 4 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	an and a second			***************************************		
BODY	ASTM A216 WCB-2004	J 1804	0.21	0.45	0.92	0.028 0.0	12 0.0	14 0.025	0.015	0.038	0.013		0.42	76.56 527.86		28	43	149		N
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026 0.0	0.0	29 0.059	0.001	0.048	0.005	0.012	0.40	76.27	45.53	26	53	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018 0.0	10 0.0	13 0.081	0.011	0.035	0.001		0.33	76.42		27	43	173		$-\frac{1}{N}$
35.795.795.2855.395				0.10		0.010			0.0	0.000		····			326.9					
	YE101 /	8																		3
BODY	ASTM A216 WCB-2004	J 1805	0.22	0.43	0.88	0.029 0.0	15 0.0	18 0.019	0.014	0.042	0.011		0.41		41.47	27	48	156		N
BONNET	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025 0.0	14 0.0	22 0.05	0.001	0.042	0.005	0.021	0.37	513.87 74.10		29	57	151		N
WEDGE	ASTM A216 WCB-2004	DAGGE				5040 04		00 0 10	0.000	0.004	0.004		0.05	510.90		04	- 44	171		N
WEDGE	ASTM A216 WCB-2004	D 0205	0.20	0.45	0.72	0.019 0.0	717 0.0	26 0.125	0.026	0.031	0.001		0.35	1	317.9	24	44	171		IN I
	YE101 /	9																		
BODY	ASTM A216 WCB-2004	J 1927	0.200	0.45	0.83	0.025 0.0	21 0.0	12 0.015	0.016	0.041	0.006		0.38		45.10	27	42	156		N
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026 0.0	0.0	29 0.059	0.001	0.048	0.005	0.012	2 0.40	521.86 76.27	-	26	53	155		N
WEDGE	ASTM A216 WCB-2004	D 9562	0.22	0.46	0.04	0.026 0.0	24 00	20 0064	0.000	0.017	0.003		0.39	525.86	313.9 46.11	27	44	171		-
WLDOL	7.01111 FZ 10 17 OB-2004	D 3002	0.22	V.40	0.54	0.020 0.0	724 0.0	20 0.03	0.020	0.017	0.002		0.09	1	317.9	Z1	-1-4	(1)	<u> </u>	
	YE101 /	10																	æ	
BODY	ASTM A216 WCB-2004	J 1805	0.22	0.43	88.0	0.029 0.0	15 0.0	18 0.019	0.014	0.042	0.011		0.41		41.47	27	48	156		N
BONNET	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025 0.0	0.0	22 0.05	0.001	0.042	0.005	0.021	0.37	513.87 74.10	44.37	29	57	151	NAME OF THE PARTY	N
WEDGE	ASTM A216 WCB-2004	D 1508	0.10	D 42	0.77	0.018 0.0	10 00	12 0 001	0.011	0.025	0.001	**************************************	0.33	510.90	305.9 47.42	27	43	173		<del>-</del>   N
		D 1000	0.10	0.40	0.77	0.010 0.0	710 0.0	13 0.00	0.011	0.000	0.001		0.00	1	326.9	. 2.7			<u></u>	
	YE101 /	11																		
BODY	ASTM A216 WCB-2004	J 1805	0.22	0.43	0.88	0.029 0.0	15 0.0	18 0.019	0.014	0.042	0.011		0.41	74.53		27	48	156		И
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026 0.0	13 0.0	29 0.059	0.001	0.048	0.005	0.012	0.40	513.87 76.27	45.53	26	53	155		N
WEDGE	ASTM A216 WCB-2004	D 9562	0.22	0.46	0.94	0.026 0.0	24 0.0	28 0.051	0.020	0.017	0.002		0.39	525.86 76.13	313,9 46,11	27	44	171		N
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	YE101 /	12																		
BODY	ASTM A216 WCB-2004	J 1805	0.22	0.43	0.88	0.029 0.0	15 0.0	18 0.019	0.014	0.042	0.011		0.41	74.53		27	48	156		N
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026 0.0	13 0.0	29 0.059	0.001	0.048	0.005	0.012	2 0.40	513.87 76.27		26	53	155	<del></del>	N
			1											525.86	313.9				<u> </u>	

WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0	.081 0	.011	0.035	0.001			0.33		47.42 326.9	. 27	43	173	2	N
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BODY	ASTM A216 WCB-2004	J 1805	0.22	0.43	0.88	0.029	0.015	0.018 0	.019 0	.014	0.042	0.011	***************************************	***************************************	0.41		41.47 285.9	27	48	156		N
BONNET	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026	0.013	0.029 0	.059 0	.001	0.048	0.005	***************************************	0.012	0.40	76.27	45.53 313.9	26	53	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0	.081 0	.011	0.035	0.001	·····	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	0.33	76.42	47.42 326.9	27	43	173		N
· L	YE101 /	14						ii. 400-200-200		***************************************						320.9	320.9			***************************************		
BODY	ASTM A216 WCB-2004	J 1927	0.200	0.45	0.83	0.025	0.021	0.012 0	.015 0	.016	0.041	0.006			0.38		45.10	27	42	156		N
BONNET	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025	0.014	0.022 0	.05 0	.001	0.042	0.005		0.021	0.37	521.86 74.10	44.37	29	57	151		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0	.081 0	.011	0.035	0.001	*		0.33	76.42	305.9 47.42	27	43	173		N
L	YE101 /	15	1		2											526.9	326.9				4	
BODY	ASTM A216 WCB-2004	J 1927	0.200	0.45	0.83	0.025	0.021	0.012 0	.015 0.	.016	0.041	0.006			0.38		45.10	27	42	156		N
BONNET	ASTM A216 WC8-2008	A 12153	0.200	0.44	0.91	0.026	0.014	0.032 0	.066 0	.001	0.04	0.006	**************************************	0.018	0.37		45.82	28	56	155		N
WEDGE	ASTM A216 WCB-2004	D 9562	0.22	0.46	0.94	0.026	0.024	0.028 0	.051 0.	.020	0.017	0.002		·····	0.39	76.13		27	44	171		N
<u> </u>	YE101 /	16														524.9	317.9			38	1	
BODY	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025	0.014	0.022 0	.05 0.	.001	0.042	0.005	<del></del>	0.021	0.37	74.10		29	57	151		N
BONNET	ASTM A216 WCB-2008	A 12153	0.200	0.44	0.91	0.026	0.014	0.032 0	.066 0.	.001	0.04	0.006		0.018	0.37	76.13	305.9 45.82	28	56	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0	.081 0.	.011	0.035	0.001	***************************************	***************************************	0.33	76.42	315.9 47.42	27	43	173		N
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BODY	ASTM A216 WCB-2008	A 11926	0.230	0.44	0.91	0.026	0.013	0.029 0.	.059 0.	.001	0.048	0.005		0.012	0.40		45,53	26	53	155		N
BONNET	ASTM A216 WCB-2008	A 12153	0.200 (	0.44	0.91	0.026	0.014	0.032 0.	066 0.	.001	0.04	0.006	· · · · · · · · · · · · · · · · · · ·	0.018	0.37	76.13	313.9 45.82	28	56	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0.	.081 0.	.011	0.035	0.001	<del></del>		0.33	76.42	315.9 47.42	27	43	173		N
	YE101 /	18	<u> </u>		BENEFIT I											526.9	326.9			0		
BODY	ASTM A216 WCB-2008	A 11927	0.210	0.40	0.87	0.025	0.014	0.022 0.	05 0.	.001	0.042	0.005		0.021	0.37	74.10		29	.57	151		N
BONNET	ASTM A216 WCB-2008	A 12153	0.200	0.44	0.91	0.026	0.014	0.032 0.	066 0.	.001	0.04	0.006		0.018	0.37	76.13	305.9 45.82	28	56	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0.	081 0.	.011	0.035	0.001	2 22		0.33	76.42		27	43	173		N
<u> </u>	YE101 /	19	11			U.S. 6. 10. 12. 15. 10.							12			526.9	326.9					
BODY	ASTM A216 WCB-2008	A 11926	0.230 (	0.44	0.91	0.026	0.013	0.029 0.	059 0.	.001	0.048	0.005		0.012	0.40	76.27		26	53	155		N
BONNET	ASTM A216 WCB-2008	A 12153	0.200 (	0.44	0.91	0.026	0.014	0.032 0.	066 0.	.001	0.04	0.006		0.018	0.37	525.86 76.13	45.82	28	56	155		N
WEDGE	ASTM A216 WCB-2004	D 1508	0.18	0.43	0.77	0.018	0.010	0.013 0.	081 0.	011	0.035	0.001			0.33	524.9 76.42	47.42	27	43	173		N
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## Heat Treatment Codes:

A: Annealing AC: Air Cooling DA: Double Aged FT: Furnace Treatment N: Normalizing OQ: OilQuenched

Ph-3: Precipitation Hardening SA: Solution Annealed SQ: Solution Quenched ST: Solution Treatment T: Tempering WC: Water Cooling

WO: Water Quenched WT: Water Quenched/Tempered NT Normalized/Tempered

Part	Material								
BACK SEAT	ASTM A276 410								
BODY/BONNET	ASTM A216 WCB								
BOLTING	ASTM A193 B7 / ASTM A194 2H								
DISC-WEDGE-CLAPPER	ASTM A216WCB + 13%Cr Overlay								
PACKING	GRAPHITE								
SEAT RING	ASTM A105 + Stl.6 Faced								
STEM	ASTM A182 F6A Cl. 3								
STEM NUT	ASTM A439-D2								

Valves Tested per API598

We hereby certify, that the material described above complies with the order requirements.

## EC Declaration of Confirmity: JEV (Jiangyin Eastern Valve Co. Ltd.), Jiangsu Province, 214423, P.R. China

According to Annex VII of Pressure Equipment Directive 97/23/EC, hereby declare that the products detailed above are in compliance with PED 97/23/EC and have been manufactured in accordance with conformity assessment module B+D as approved Det Norske Veritas Inspection AB as Identification No 0575 (formally 0409). The products may cover Category I, II and III of pressure equipment. For the most specific risks of this equipment, safety and compliance with essential requirements of the Directive has been based on API 600, API598, ASME B16.34, ASME B16.5, ASME B16.10 latest edition.

Undersigned by Liu Jian Qing, representing Jianyin Eastern Valve company Ltd. :