



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.dsi valve.com

Certificate/Serial/Job No:

AH146 ✓

Quality Department: *Elex. Garcia*

Quantity	Size (NPS)	Class	Product	Description	Type	SONumber	Line	Sold to	Date
7	3 ✓	600 ✓	/ 103027 ✓	DSI 165XU ✓	SWING ✓				8/17/2014

Pressure Test: API598	☒ Satisfactory	Shell Pressure : 2225 psi 15340.8 kPa	BackSeat : psi kPa	Seat Pressure 1125 psi 7756.6 kPa	Seat Air Pressure psi kPa
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Part	Specif.	HEAT#	Chemical Composition [%]															Mechanical Properties										
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	W	Nb	Al	N	Ceq	Tensile	Yield	Elong	Redu	Hard	Ch.1	Ch.2	Ch.3	Ch. A	Temp.	HT
																		[ksi]	[ksi]	[%]	[%]	[HB]	[J]	[J]	[J]	[J]	[F]	[C]

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BODY	ASTM A216 WCB-2008	VA 3210	0.211	0.473	0.908	0.019	0.011	0.027	0.064	0.008	0.020	0.008		0.007	0.042	0.38		73.23 504.90	47.13 324.9	30.5	56	148						N
CLAPPER	ASTM A105-2005	. 11170	0.20	0.20	0.9	0.018	0.006	0.02	0.04	0.004	0.06	0.000				0.36		78.30 539.86	50.03 344.9	27	69	161						N
COVER	ASTM A105-2005	. 70375	0.19	0.24	0.92	0.024	0.008	0.04	0.09	0.001	0.03	0.003						71.78 494.91	47.13 324.9	34.5	65	158						N

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BODY	ASTM A216 WCB-2008	VA 3210	0.211	0.473	0.908	0.019	0.011	0.027	0.064	0.008	0.020	0.008		0.007	0.042	0.38		73.23 504.90	47.13 324.9	30.5	56	148						N
CLAPPER	ASTM A105-2005	. 11170	0.20	0.20	0.9	0.018	0.006	0.02	0.04	0.004	0.06	0.000				0.36		78.30 539.86	50.03 344.9	27	69	161						N
COVER	ASTM A105-2005	. 70375	0.19	0.24	0.92	0.024	0.008	0.04	0.09	0.001	0.03	0.003						71.78 494.91	47.13 324.9	34.5	65	158						N

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BODY	ASTM A216 WCB-2008	VA 3183	0.202	0.404	0.897	0.014	0.008	0.044	0.062	0.012	0.027	0.010		0.012	0.033	0.37		77.58 534.9	50.03 344.9	29.5	51.5	156						N
CLAPPER	ASTM A105-2005	. 11170	0.20	0.20	0.9	0.018	0.006	0.02	0.04	0.004	0.06	0.000				0.36		78.30 539.86	50.03 344.9	27	69	161						N
COVER	ASTM A105-2005	. 70375	0.19	0.24	0.92	0.024	0.008	0.04	0.09	0.001	0.03	0.003						71.78 494.91	47.13 324.9	34.5	65	158						N

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BODY	ASTM A216 WCB-2008	V 14404	0.219	0.491	0.817	0.019	0.014	0.024	0.036	0.004	0.022	0.002		0.038		0.37		76.13 524.9	46.40 319.9	30	55	144						N
CLAPPER	ASTM A105-2005	. 11170	0.20	0.20	0.9	0.018	0.006	0.02	0.04	0.004	0.06	0.000				0.36		78.30 539.86	50.03 344.9	27	69	161						N
COVER	ASTM A105-2005	. 70375	0.19	0.24	0.92	0.024	0.008	0.04	0.09	0.001	0.03	0.003						71.78 494.91	47.13 324.9	34.5	65	158						N

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BODY	ASTM A216 WCB-2008	VA 3201	0.191	0.410	0.893	0.019	0.009	0.043	0.082	0.015	0.040	0.007	0.009	0.034	0.37	72.50	46.40	29.5	51.5	153		N
CLAPPER	ASTM A105-2005	. 11170	0.20	0.20	0.9	0.018	0.006	0.02	0.04	0.004	0.06	0.000			0.36	78.30	50.03	27	69	161		N
COVER	ASTM A105-2005	. 70375	0.19	0.24	0.92	0.024	0.008	0.04	0.09	0.001	0.03	0.003				71.78	47.13	34.5	65	158		N
																499.87	319.9					
																539.86	344.9					
																494.91	324.9					

Heat Treatment Codes:

<i>A</i> : Annealing	<i>AC</i> : Air Cooling	<i>DA</i> : Double Aged	<i>FT</i> : Furnace Treatment	<i>N</i> : Normalizing	<i>OQ</i> : OilQuenched
<i>Ph-3</i> : Precipitation Hardening	<i>SA</i> : Solution Annealed	<i>SQ</i> : Solution Quenched	<i>ST</i> : Solution Treatment	<i>T</i> : Tempering	<i>WC</i> : Water Cooling
<i>WO</i> : Water Quenched	<i>WT</i> : Water Quenched/ Tempered			<i>NT</i> : Normalized/Tempered	

Part	Material
BODY	ASTM A216 WCB
BOLTING	ASTM A193 B7 / ASTM A194 2H
COVER	ASTM A105
DISC-WEDGE-CLAPPER	ASTM A105 +13%Cr Overlay
HINGE PIN	ASTM A276 410
SEAT RING	ASTM A105 + Stl.6 Faced

Valves Tested per API598
We hereby certify, that the material described above complies with the order requirements.

EC Declaration of Conformity: 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 Jiangyin Eastern Valve company Ltd. :

刘建清

