

Certificate/Serial/Job No:

YB82

Quality Department: *John Ho*

Quantity	Size (NPS)	Class	Product	Description	Type	SONumber	Line	Sold to	Date
15	6	150	/ 103057	DSI 133XU	GLOBE				12/4/2011

<b>Pressure Test:</b> API598	<input checked="" type="checkbox"/> Satisfactory	<b>Shell Pressure :</b> 450 psi 3102.64 kPa	<b>BackSeat :</b> 325 psi 2240.8 kPa	<b>Seat Pressure</b> 325 psi 2240.8 kPa	<b>Seat Air Pressure</b> 80 psi 551.58 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 [ksi] [MPa]	Yield [ksi] [MPa]	Elong [%]	Reduc [%]	Hard [HB]	Ch.1 [J]	Ch.2 [J]	Ch.3 [J]

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BODY	ASTM A216 WCB-2008	A 10208	0.230	0.44	0.88	0.022	0.014	0.019	0.042	0.001	0.030	0.005		0.011	0.39	76.27	45.10	27	54	153									N
BONNET	ASTM A216 WCB-2008	A 10205	0.200	0.42	0.85	0.025	0.016	0.025	0.054	0.003	0.035	0.005		0.017	0.36	525.86	311	74.24	43.94	29	58	151							N
DISC	ASTM A105-2005	C 10-897	0.19	0.23	0.87	0.016	0.009	0.04	0.06	0.003	0.16	0.001		0.36		511.87	303	78.01	52.78	32	67	151							N
																537.86	363.9												

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BODY	ASTM A216 WCB-2008	A 10208	0.230	0.44	0.88	0.022	0.014	0.019	0.042	0.001	0.030	0.005		0.011	0.39	76.27	45.10	27	54	153										N
BONNET	ASTM A216 WCB-2007	A 7730	0.200	0.43	0.81	0.022	0.016	0.028	0.062	0.001	0.035	0.005		0.31		525.86	311	77.72	46.40	24.0	51.0	160								N
DISC	ASTM A105-2005	C 202012	0.17	0.26	0.95	0.008	0.001	0.128	0.058	0.024	0.051	0.001		0.35		535.86	319.9	78.01	48.00	30	69	150								N
																537.86	330.9													

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BODY	ASTM A216 WCB-2008	A 10210	0.200	0.40	0.84	0.028	0.019	0.025	0.064	0.014	0.034	0.007		0.001	0.36	75.40	44.95	26	54	157									N	
BONNET	ASTM A216 WCB-2008	A 10206	0.200	0.44	0.83	0.025	0.013	0.017	0.049	0.002	0.038	0.004		0.018	0.35	519.86	309.9	76.42	45.24	26	55	155								N
DISC	ASTM A105-2005	C 10-897	0.19	0.23	0.87	0.016	0.009	0.04	0.06	0.003	0.16	0.001		0.36		526.9	311.9	78.01	52.78	32	67	151								N
																537.86	363.9													

YB82 / 13

BODY	ASTM A216 WCB-2008	A 10211	0.230	0.50	0.94	0.021	0.016	0.026	0.120	0.024	0.037	0.005		0.003	0.42	76.42	45.82	26	53	155									N	
BONNET	ASTM A216 WCB-2008	A 10205	0.200	0.42	0.85	0.025	0.016	0.025	0.054	0.003	0.035	0.005		0.017	0.36	526.9	315.9	74.24	43.94	29	58	151								N
DISC	ASTM A105-2005	C 10-897	0.19	0.23	0.87	0.016	0.009	0.04	0.06	0.003	0.16	0.001		0.36		511.87	303	78.01	52.78	32	67	151								N
																537.86	363.9													

**Heat Treatment Codes:**

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

<b>Part</b>	<b>Material</b>
BACK SEAT	ASTM A276 410
BODY/BONNET	ASTM A216 WCB
BOLTING	ASTM A193 B7 / ASTM A194 2H
DISC-WEDGE-CLAPPER	ASTM A105 + 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 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 assesment 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. : 