

Certificate/Serial/Job No: YB61 / 49

Quality Department: *John Ho*

Quantity	Size (NPS)	Class	Product	Description	Type	SONumber	Line	Sold to	Date
50	8	300	/ 103063	DSI 23XUF	GATE				3/12/2012

Pressure Test: API598 <input checked="" type="checkbox"/> Satisfactory	Shell Pressure : 1125 psi 7756.6 kPa	BackSeat : 825 psi 5688.2 kPa	Seat Pressure 825 psi 5688.17 kPa	Seat Air Pressure 80 psi 551.58 kPa
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Part	Specif.	HEAT No	Chemical Composition [%]													Mechanical Properties						Heat					
			C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Nb	Al	N	Tensile	Yield	Elong	Reduc	Hard	Ch.1		Ch.2	Ch.3	Ch. A	Temp.	
				[ksi]	[ksi]	[%]	[%]	[HB]	[J]	[J]	[J]	[J]	[J]	[F]	[C]												
BODY	ASTM A216 WCB-2008	V 11268	0.231	0.448	0.797	0.025	0.016	0.017	0.024	0.001	0.020	0.003		0.051		72.50	42.05	34	57	149							N
BONNET	ASTM A216 WCB-2008	A 12102	0.200	0.37	0.89	0.025	0.010	0.026	0.049	0.003	0.041	0.004		0.007		499.87	289.9										N
WEDGE	ASTM A216 WCB-2008	E 3058	0.22	0.45	0.84	0.018	0.014	0.053	0.01	0.008	0.020	0.001				84.83	40.60	30	48	160							N
																584.88	279.9										

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
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 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 mo 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. : *刘建清*