



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

DST-Valve Solutions
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Quality Department: *J. L. 46*

Certificate/Serial/Job No:		YH36				Type	SONumber	Line	Sold to	Date
Quantity	Size (NPS)	Class	Product	Description	GLOBE					8/27/2012
4	8	150	/ 103050	DSI 133XU						
Pressure Test: API598		<input checked="" type="checkbox"/> Satisfactory	Shell Pressure :	450 psi 3102.64 kPa	BackSeat :	325 psi 2240.8 kPa	Seat Pressure	325 psi 2240.8 kPa	Seat Air Pressure	80 psi 551.58 kPa

Part	Specif.	HEATH	Chemical Composition [%]													Mechanical Properties						Heat							
			C	SI	Mn	P	S	Ni	Cr	Mo	Cu	V	W	Nb	Al	N	Ceq	Tensile [ksi]	Yield [ksi]	Elong [%]	Reduc [%]		Hard [HRC]	Ch.1 [H]	Ch.2 [H]	Ch.3 [H]	Ch. A [H]	Temp [F]	
YH36 / 2																													
BODY	ASTM A216 WCB-2008	V 12720	0.197	0.514	0.802	0.022	0.013	0.010	0.049	0.002	0.027	0.002			0.015	0.35	74.68	47.85	34	57	168								N
BONNET	ASTM A216 WCB-2008	V 12497	0.209	0.460	0.840	0.021	0.010	0.025	0.036	0.001	0.023	0.002			0.028	0.37	73.95	48.53	34	56	167								N
DISC	ASTM A105-2005	C 1105-42	0.18	0.20	0.95	0.015	0.020	0.04	0.07	0.032	0.08	0.008					79.32	51.04	32	70	159								N
YH36 / 3																													
BODY	ASTM A216 WCB-2008	V 12712	0.207	0.498	0.816	0.023	0.013	0.011	0.052	0.001	0.028	0.002			0.017	0.36	76.85	44.23	28	46	159								N
BONNET	ASTM A216 WCB-2008	V 11944	0.238	0.484	0.730	0.026	0.014	0.024	0.039	0.003	0.025	0.001			0.005	0.37	71.05	44.23	34	59	148								N
DISC	ASTM A105-2005	C 1105-42	0.18	0.20	0.95	0.015	0.020	0.04	0.07	0.032	0.08	0.008					79.32	51.04	32	70	159								N
YH36 / 4																													
BODY	ASTM A216 WCB-2008	V 12728	0.215	0.493	0.830	0.019	0.008	0.004	0.031	0.001	0.023	0.002			0.009	0.36	76.13	50.03	34	56	159								N
BONNET	ASTM A216 WCB-2008	V 11936	0.211	0.477	0.733	0.022	0.013	0.017	0.042	0.001	0.021	0.001			0.008	0.34	73.23	46.40	32	53	147								N
DISC	ASTM A105-2005	C 1105-42	0.18	0.20	0.95	0.015	0.020	0.04	0.07	0.032	0.08	0.008					79.32	51.04	32	70	169								N

Wednesday, October 24, 2012

Heat Treatment Codes:

<i>A</i> : Annealing	<i>AC</i> : Air Cooling	<i>DA</i> : Double Anneal	<i>FT</i> : Furnace Treatment	<i>N</i> : Normalizing	<i>OQ</i> : Oil Quenched
<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>WQ</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 A105 + 13% Cr Overlay
PACKING	GRAPHITE
SEAT RING	ASTM A105 + Sll.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 assessment module B+D as approved Det Norske Veritas Inspection AB as Identification No 0375 (formerly 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. : 