



FORGED STEEL VALVES

The Newdell Company

13750 Hollister Road

Houston, Texas 77086

Phone: 713.590.1312

Fax Phone: 713.590.1319

ISO 9001/2008
CERTIFIED

INSPECTION CERTIFICATE (Chemical, Mechanical & Hydrostatic)

Batch Number: <u>S071448274</u>	Sale Number: <u>STOCK</u>	WO Number: <u>48274</u>				
Print Date: <u>9/4/2014</u>	Item ID: <u>0800USOGO100</u>	Quantity: <u>300</u>				
Description:	Size 1"	Pressure 800	Style Gate	Body/Bonnet A350 LF2	Trim 12	Ends THD
Part Name	Body A350 LF2	Bonnet/Cap A350 LF2	Seat HF	Disc 316	Stem 316	
Standard Result:	Shell (PSIG) 2975	Low Pressure Closure (PSIG) 60-100	Back Seat (PSIG) 2175	Closure (PSIG) 	Visual and Dimensional WITHIN TOLERANCE	

CHEMICAL COMPOSITION (MAX. %) (ASTM STD.)

MECHANICAL TEST (MIN.) (ASTM) Impact

Heat No.	Part Name	C	Si	Mn	P	S	Ni	Cr	Cu	V	Ti	Cb	Mo	Nb	Co	N	Al	Nb+Ta	C Eqv	T.s (KSI) min	Y.s (KSI) min	EL. % min	HB (Max)	Red Area % min	Test Result Ft-lbf
Standard	A350 LF2	0.300	0.150-0.300	0.600-1.350	0.035	0.040	0.400	0.300	0.400	0.080		0.020	0.120							70.00-95.00	36.00	22	197	30-80	Averag 15
IK	Body	0.170	0.290	1.340	0.021	0.006	0.040	0.120	0.020	0.008		0.007	0.004						0.424	79.05	50.76	34	150	75	47 85 86
26A	Bonnet	0.160	0.260	1.350	0.020	0.012	0.010	0.050	0.030	0.000		0.001	0.004						0.398	85.57	57.87	33	188	70	36 42 45
57E	Body	0.200	0.220	0.870	0.020	0.004	0.040	0.100	0.070	0.003		0.002	0.020						0.377	83.60	49.30	36	129	45	28 36 40

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NOTE 1: MATERIALS COMPLY WITH NACE MR0103-2012 AND MR0175-2009

Standard Specifications: 1) A350 MATERIAL HAS BEEN NORMALIZED TO ASTM A350 SPECIFICATIONS: FORGINGS HAVE BEEN REHEATED TO A MINIMUM TEMPERATURE OF 1100 DEGREES F AND ALLOWED TO AIR COOL.
2) IMPACT TESTED TO ASTM A350 STANDARD FOR LF2 CLASS 1 AT -50 DEG F

REMARKS: Per EN 10204 Type 3.1, we declare that the products supplied are in compliance with the requirements of the order and material specification.
Design per applicable standard API 602, or ASME B16.34, tested per API 598.



QC MANAGER: _____

Date: 7/21/2014