

Customer	VENTIM VENTIL & INSTRUMENT AB			Invoice No.		D240604X1	Report No.:		2024D240604X1
Order No.	756834			P/I No.		D240411XB			
Item No.	Pressure Rating	Size	Q'ty (pcs)			MODEL: SERIES 35S -B.-W.-3-PC 1.4408 BALL VALVE, FULL PORT, PTFE+25% CARBON SEATS AND SEALS, 1000PSI/PN64, LABYRINTH STEM SEALINGS, SS316 BALL & ANTI-STATIC STEM, WITH ISO 5211 DIRECT MOUNTING PAD, ★ BUTT WELD END, S/C NO D240411XB Customer PO No 756834			
2	1000 psi	DN25	60						
Pressure Test according to EN 12266-1			Pressure	Duration	Result				
Shell Strength Test (P10)	Water	1500 psi	15 sec	PASS					
Shell Tightness Test (P11)	Water	1500 psi	15 sec	PASS					
Seat Tightness Test (P12)	Air	80 psi	15 sec	PASS	Heat Treatment				
Pressure Test according to API 598			Pressure	Duration	Result	Product Inspection :			
Shell Test	Water	1500 psi	15 sec	PASS	<input checked="" type="checkbox"/> Dimension Inspection				
BackSeat Test	Water	N/A	N/A	N/A	<input checked="" type="checkbox"/> Visual Inspection				
High-Pressure Closure Test	Water	N/A	N/A	N/A	<input checked="" type="checkbox"/> Performance Check				
Low-Pressure Closure Test	Air	80 psi	15 sec	PASS	<input type="checkbox"/> Non-Destructive Examination				
									Result
									PASS
									PASS
									PASS
									NA

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Inspection Certificate

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Customer	VENTIM VENTIL & INSTRUMENT AB			Invoice No.	D2501151259	Report No.:	2025D2501151259
Order No.	758171			P/I No.	D241106XA		
Item No.	Pressure Rating	Size	Q'ty (pcs)		MODEL: SERIES 32-B-W/(FORMERLY ED-311MF),1.4408 3PC BALL VALVE FULL PORT, PTFE SEATS, W/ISO 5211 MOUNTING PAD,HANDLE W/LOCKING DEVICE. 1000WOG, SS316L BUTTWELD END CAPS,H.S CODE: 8481.80.81.90 S/C No D241106XA Customer PO No 758171		
29	1000 psi	DN32	20				
Pressure Test according to EN 12266-1		Pressure	Duration	Result			
Shell Strength Test (P10)	Water	1500 psi	15 sec	PASS			
Shell Tightness Test (P11)	Water	1500 psi	15 sec	PASS			
Seat Tightness Test (P12)	Air	80 psi	15 sec	PASS	Heat Treatment <input checked="" type="checkbox"/> Solution at 1080 °C then Quenched by Water, 2hr		
Pressure Test according to API 598		Pressure	Duration	Result			
Shell Test	Water	1500 psi	15 sec	PASS	<input checked="" type="checkbox"/> Dimension Inspection		
BackSeat Test	Water	N/A	N/A	N/A			
High-Pressure Closure Test	Water	N/A	N/A	N/A	<input checked="" type="checkbox"/> Performance Check		
Low-Pressure Closure Test	Air	80 psi	15 sec	PASS			
<input type="checkbox"/> Non-Destructive Examination							

Article.	Heat No.	Chemical Components(%)										Mechanical Properties				
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	Yield Strength Mpa Rp 0.2 Rp 1.0	Tensile Strength Mpa	Elongation %	Hardness HB	Impact Test Joule
EN 10213 1.4408	Max. / Min.	≤0.07	≤1.5	≤1.5	≤0.04	≤0.03	9~12	18~20	2~2.5	≤0.5	≤0.2	≥210	440~640	≥30		≥60
BODY	HNJ809	0.034	0.843	1.121	0.026	0.0054	9.425	18.21	2.301	0.193		242	540	40		110
Chemical Components(%)																
Article.	Heat No.	Chemical Components(%)										Mechanical Properties				
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	Yield Strength Mpa Rp 0.2 Rp 1.0	Tensile Strength Mpa	Elongation %	Hardness HB	Impact Test Joule
1.4409	Max. / Min.	≤0.03	≤1.50	≤2.00	≤0.035	≤0.025	9-12	18-20	2-2.5	≤0.5	≤0.2	≥220	440-640	≥30		≥80
CAP	HNJ917	0.024	0.946	1.108	0.026	0.0052	9.753	18.25	2.432	0.258	0.043	239	540	39		111
CAP	LNJ905	0.013	0.911	1.178	0.026	0.005	9.565	18.757	2.302	0.178	0.056	266	539	53		111.1

We herewith certify that the material described herein has been made in accordance to the above specification and also with the requirement called for above order.

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We herewith certify that the material described herein has been made in accordance to the above specification and also with the requirement called for above order.	Approved by	Date	Page
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PED-001-004-1(B)

Place	Taichung Taiwan			Date	2018/2/12	Inspector	Bibby		
P6Z89				332	548	50	147	181	175
P6V82				357	560	45	147	175	194
P6T92				351	578	40	145	186	197
P6Z88				348	558	42	147	181	175
P6Z87				357	564	47	146	178	199
P6V82				357	560	45	147	175	194
P6Z86				371	579	49	145	186	202
P6V82				357	560	45	147	175	194
6Z85				349	564	48	145	186	175
6Z84				341	536	44	147	178	194
Nr./No	°C	N/mm ²	N/mm ²	N/mm ²	N/mm ²	%	HB	Joule ≥ 60	
								1	2
Specimen	Test Temp	Proof stress	Proof stress	Proof stress	Tensile Strength	Elongation	Hardness	Energy Charpy Impact	
Probe Nr.	Prüf Temp	Rp 0.2	Rp 1.0	Rp 1.0	Zugfestigkeit	Bruchdehnung	Härte	Kerbschlagarbeit ISO V Probe	

B) Mechanische Prüfung: Zugprüfung / Tensile Test Härte / Hardness

P6Z89	0.026	0.864	0.859	0.025	0.008	9.688	18.454	2.150	0.114
P6V82	0.026	0.846	0.823	0.031	0.010	9.245	18.675	2.184	0.105
P6T92	0.026	0.874	0.935	0.025	0.008	9.708	18.565	2.159	0.114
P6Z88	0.046	0.675	0.782	0.037	0.010	9.534	18.451	2.315	0.203
P6Z87	0.028	0.851	0.769	0.029	0.007	9.704	18.376	2.218	0.146
P6V82	0.026	0.846	0.823	0.031	0.010	9.245	18.675	2.184	0.105
P6Z86	0.029	0.744	0.795	0.028	0.004	9.784	18.155	2.277	0.128
P6V82	0.026	0.846	0.823	0.031	0.010	9.245	18.675	2.184	0.105
6Z85	0.026	0.844	0.933	0.029	0.004	9.715	18.173	2.279	0.155
6Z84	0.026	0.873	0.928	0.031	0.005	9.809	18.394	2.298	0.139
Heat No.	≤ 0.07	≤ 1.50	≤ 1.50	≤ 0.04	≤ 0.03	9-12	18-20	2.0-2.5	≤ 0.5
Schmelze Nr.	C %	Si %	Mn %	P %	S %	NI %	Cr %	Mo %	Cu %
N %	V %								

A) Chemische Analyse / Chemical Analysis

Item No.	Heat No.	Article	Size	Quantity
10	P6Z89	CAP	DN 50	54
9	P6V82			6
8	P6T92			40
7	P6Z88		DN 40	100
6	P6Z87		DN 32	94
5	P6V82			6
4	P6Z86		DN 25	72
3	P6V82			28
2	6Z85		DN 20	100
1	6Z84		DN 15	100

Umfang der Lieferung (Detail of Casting Pieces)

Article : 'SERIES 35S END CAP(LONG BW)1.4408 END CAP FOR SERIES 35S,LONG BUTTWELD END.
S/C NO.170708XA,Customer P/O No.741687

Inspection Certificate: (EN10204-3.1)	Certificate-No.01 202 TWN/Q-02-0056	Report No.: 2018U02127755	Page 23 of 72
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