

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, S5316 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	Solution at 1080 °C then Quenched by Water, 2hr			
Shell Test	Water	1500 psi	15 sec	PASS	Product Inspection :		Result	
BackSeat Test	Water	N/A	N/A	N/A	✓Dimension Inspection		PASS	
High-Pressure Closure Test	Water	N/A	N/A	N/A	✓Visual Inspection		PASS	
Low-Pressure Closure Test	Air	80 psi	15 sec	PASS	✓Performance Check		PASS	
					<input type="checkbox"/> Non-Destructive Examination			

acc. to. EN10204 3.1

Certificate No. 0343/PED/0038/PED/SHA/TWN00000225/A

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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		Tensile Strength Mpa	Elongation %	Hardness HB	Impact Test Joule
												Rp 0.2	Rp 1.0				
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			≥ 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
Article.	Heat No.	Chemical Components(%)										Mechanical Properties					
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	Yield Strength Mpa		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	HNL917	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.

Approved by	Date	Page
<i>Eddy Wong</i>	2025/1/21	29 of 38

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	<i>Enkay Mlangi</i>	2025/4/24	2 of 4

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PED-001-004-1(B)

Place	Taichung Taiwan			Date	2018/2/12	Inspector	Bibby		
Specimen	Test Temp	Proof stress	Proof stress	Tensile Strength	Elongation	Hardness	Energy Charpy Impact	Core Hardness	ISO V Probe
Probe Nr.	Proof Temp	Rp 0.2	Rp 1.0	Zugfestigkeit	Bruchdehnung	Härte	Kerbschlagarbeit	ISO V Probe	
Nr./No	°C	N/mm ²	N/mm ²	N/mm ²	%	HB	Joule >= 60		
6284		≥ 210	440-640	536	44	147	175	194	182
6285				564	48	145	186	175	179
P6V82				560	45	147	194	186	185
P6Z86				579	49	145	202	186	197
P6V82				357	45	147	175	194	185
P6Z87				357	47	146	178	199	187
P6Z88				558	42	147	181	175	181
P6T92				578	40	145	202	186	195
P6V82				560	45	147	175	194	185
P6Z89				548	50	147	181	175	183

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

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 %	V %	N %	
6284	0.026	0.873	0.928	0.031	0.005	9.809	18.394	2.298	0.139			
6285	0.026	0.844	0.933	0.029	0.004	9.715	18.173	2.279	0.155			
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			
P6Z87	0.028	0.851	0.769	0.029	0.007	9.704	18.376	2.218	0.146			
P6Z88	0.046	0.675	0.782	0.037	0.010	9.534	18.451	2.315	0.203			
P6T92	0.026	0.874	0.935	0.025	0.008	9.708	18.565	2.159	0.114			
P6V82	0.026	0.846	0.823	0.031	0.010	9.245	18.675	2.184	0.105			
P6Z89	0.026	0.864	0.859	0.025	0.008	9.688	18.454	2.150	0.114			

A) Chemische Analyse / Chemical Analysis

Item No.	Heat No.	Article	Size	Quantity
1	6284	CAP	DN 15	100
2	6285		DN 20	100
3	P6V82		DN 25	28
4	P6Z86		DN 25	72
5	P6V82		DN 32	6
6	P6Z87		DN 32	94
7	P6Z88		DN 40	100
8	P6T92		DN 50	40
9	P6V82		DN 50	6
10	P6Z89		DN 50	54

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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Friday, May

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