

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 : ✓Dimension Inspection			
BackSeat Test	Water	N/A	N/A	N/A	✓Visual Inspection			
High-Pressure Closure Test	Water	N/A	N/A	N/A	✓Performance Check			
Low-Pressure Closure Test	Air	80 psi	15 sec	PASS	□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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	<i>Edith Mwangi</i>	2025/4/24	2 of 4

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PED-001-004-1(B)

Place	Taichung Taiwan			Date	Inspector	Bibby		
Nr./No	Test Temp	Proof stress	Proof stress	Tensile Strength	Elongation	Hardness	Energy Charpy Impact	Kerbbschlagarbeit / Charpy
6Z84	341	536	44	147	178	175	194	182
6Z85	349	564	48	145	175	186	175	179
P6V82	357	560	45	147	175	194	186	185
P6Z86	371	579	49	145	202	186	202	197
P6V82	357	560	45	147	175	194	186	185
P6Z87	357	564	47	146	178	199	183	187
P6Z88	348	558	42	147	181	175	186	181
P6T92	351	578	40	145	202	186	197	195
P6V82	357	560	45	147	175	194	186	185
P6Z89	332	548	50	147	181	175	194	183

B)Mechanische Pruefung: Zugpruefung / Tensile Test Harte / Hardness

Schmelze Nr.	C %	Si %	Mn %	P %	S %	NI %	Cr %	Mo %	Cu %	V %	N %
Heat No.	≤0.07	≤1.50	≤1.50	≤0.04	≤0.03	9-12	18-20	2.0-2.5	≤0.5	-	-
6Z84	0.026	0.873	0.928	0.031	0.005	9.809	18.394	2.298	0.139		
6Z85	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	6Z84	DN 15	100	100
2	6Z85	DN 20	100	100
3	P6V82	DN 25	28	72
4	P6Z86	DN 25	6	72
5	P6V82	DN 32	6	94
6	P6Z87	DN 32	100	94
7	P6Z88	DN 40	100	40
8	P6T92	DN 50	6	54
9	P6V82	DN 50	6	54
10	P6Z89	DN 50	6	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

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