

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 : <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			
								NA

## acc. to. EN10204 3.1

Certificate No. 0343/PED/0038/PED/SHA/TW/N00000225/A

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Page

31 of 31



# Inspection Certificate

acc. to. EN10204 3.1

Certificate No. 0343/PED/0038/PED/SHA/TWNN0000025/A

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		
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			

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
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.

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

## acc. to. EN10204 3.1

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



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Approved by	Date	Page
<i>Eddy Wang</i>	2025/4/24	3 of 4

# Inspection Certificate

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Certificate No. 0343/PED/0038/PED/SHA/TWNN00000225/A

Customer	VENTIM VENTIL & INSTRUMENT AB		Invoice No.			2025D250424X1
Order No.	758363		P/I No.			
Item No.	Pressure Rating	Size	Q'ty (pcs)		CENTER BODY SERIES 355 (SP),SERIES 355 (FIRE-SAFE),CENTER SECTION ONLY!(NO END CAPS) 3-PC 1.4408 BALL VALVE FULL PORT,SS316 BALL & ANTI-STATIC STEM, WITH LABYRINTH STEM SEALINGS,WITH ISO 5211 DIRECT MOUNTING PAD, WITH SEAT PTFE +25% CARBON,WITH BOLTS & LOCKABLE HANDLE ★ API 607 7TH CERT. FIRE-SAFE DESIGN ★ GRAPHITE BODY SEAL & SS316 GASKET,H.S CODE: 8481.90.00.90 S/C No D241203XA Customer PO No 758363	
4	N/A	DN50	32			
Pressure Test according to EN 12266-1		Pressure	Duration	Result		
Shell Strength Test (P10)		Water	N/A	N/A		Heat Treatment
Shell Tightness Test (P11)		Water	N/A	N/A		
Seat Tightness Test (P12)		Air	N/A	N/A		☑Solution at 1080 °C then Quenched by Water, 2hr
Pressure Test according to API 598		Pressure	Duration	Result		Product Inspection :
Shell Test		Water	N/A	N/A		☑Dimension Inspection
BackSeat Test		Water	N/A	N/A		☑Visual Inspection
High-Pressure Closure Test		Water	N/A	N/A		☑Performance Check
Low-Pressure Closure Test		Air	N/A	N/A		<input type="checkbox"/> Non-Destructive Examination

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2025/4/24

4 of 4



PED-001-004-1(B)

Probe Nr.		Prüftemp	Test Temp	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	Zugfestigkeit	Bruchdehnung	Hardness	Härte	Kerbschlagarbeit ISO V Probe	Energy Charpy Impact
Specimen												
6Z84				341	536	44	147	178	175	194	182	AVE
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 Prüfung: Zugprüfung / Tensile Test Härte / 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	-	-
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	6Z84	CAP	DN 15	100
2	6Z85		DN 20	100
3	P6V82		DN 25	28
4	P6Z86		DN 32	72
5	P6V82			6
6	P6Z87		DN 40	94
7	P6Z88			100
8	P6T92			40
9	P6V82		DN 50	6
10	P6Z89			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 TWW/Q-02-0056	Report No.: 2018U0212775S	Page 23 of 72
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2025/1/16

6 of 9



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2025/1/16

7 of 7