



## **Inspection Certificate - Pressure Equipment**

Manufacturer:	AIRCC	5.5.75	THE RESERVE OF THE PERSON NAMED IN		01 202 CHN/K-22A1652							
		AIRCOM (Zhejiang) General Equipment Co., Ltd.										
	No. 96	No. 968 Waitang Road, Haiyan Economic Development Zone										
Manufacturing plant:		Xitangqiao Subdistrict, Haiyan County Jiaxing City, Zhejiang Province										
	-	314305 People's Republic of China										
Manufactured for:	ATLAS	CO	PCO COMPRESSOR CO., LTD.									
Location of installation:	Singa	oore	e - Singapore Ministry of Manpower (MOM)									
Equipment Type:	ПТа	☐ Tank ☐ Jacket Vessel ☐ Reactor ☐ Heat exchanger ☑ Separator										
Ечиритент туре.	□ Но	☐ Horizontal ☑ Vertical ☐ Sphere										
Regulations/Codes/Specificati	on:	1:										
ASME	Section	n VII	I, Div.1	Edi	tion: 2021	ED						
Applied			11		in part	Code St	amp	ASME U				
Standards/other Specifications			N.A.									
Mfg./Serial No:	1	055 <b>2</b> 69 t	o 1055	318	Trade ma	rk:	N.A					
TECHNICAL DATA:	***					1						
Chamber				Shell								
Max. allowable Pressure PS [PSI]					152	***************************************						
Max./min. allowable Temperature TS				248/-4		1						
Fluid Contents/Fluid Group			Co	mpres	sed Air/Oil/(N							
Heat treatment, Temperature/Time					None	1						
Impact test [°C]				None	1							
			SA-	414 Gr	. G (Shell &							
Mat'l Spec./Grade, Shell/Head					05(Flat head)							
Diameter (ID)/ Length / Thickness, [i	nch]			5.6								
Head Type/ Min. Thickness, [inch]			2.0	87:1 E	llipsoidal / 0.0 head/2.114							
Tube Material Spec./Grade, Dimensi	ons	$\overline{}$			N/A	+						
Tubesheet Mat'l Spec./Grade, Dimer			-		N/A							
Longitudine					0.7							
Joint Efficiency,% Circumfere	ntial				0.65	1						
Capacity or Volume, [Liter]			6.7									
Other information: Corrosion			h]: 0									
DESIGN AND CALCULATION A	PPROVA	L:										
Drawing No./Rev. No.:			SEP0	1638 F	REV. 5	ed Date:	Nov. 01, 2022					
PRESSURE TEST:												
Chamber		T			Shell			640				
Test Pressure PT [PSI]					198							
Test Fluid			***************************************		Water							
Holding Time [min]					30							
Test Date					Dec,9,2022							
Used measurement and test equi	pment:	Pre	essure ga	auges	Calibrated valid	Acceptable						
Pressure Test Result: Accep	table.											









## Inspection Certificate - Pressure Equipment

Certificate No.:01 202 CHN/K-22A1652

FINAL INSPE	CTION:	accept-able	N/A	see Annex:	Remarks
1. (Main-) Di	rawings/Calculation Reports	1			
	nal check: (Safety relevant dimensions of the	1			
pressure	equipment correspond with drawing)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
3. Visual ins		V			
	on base materials and consumables	V			
5. Material tr		1			
	on of welding procedures(WPS/PQR)	V			
	on of personnel performing permanent joining	V	,		
8. Production			V		
	ment records		√		
	on of NDE personnel		V		
	uctive examination test reports		<b>√</b>		
	n repair and modifications		<b>V</b>		
13. Marking of	f equipment	V			
14.					
Remarks:					
Final Inspection	on Date: Dec,9,2022				
STAMPING: 1	To indicate a satisfactory result of examination	ı, the e	quipment	was stampe	ed as follow:
Equipment Bo	dy:				
Location:					
Nameplate:	(0,1)				
RESULT:					
The above-me	entioned inspections were performed in accordance	e with	the provision	ons of the sta	ated test
requirements/s	specifications.				
Notes:	There may be additional requirements applic	able to	the equipn	nent, e.g. ac	ceptance test on
140163.	site prior to start of operation or the conformi	ity to lo	cal regulation	ons or laws.	
Inspector	( Hao Shijie, signature)				
	(That Crinje, signature)			ahei	nland
Location:	Shanghai, P.R.China			5	0
Looution.	onangna, n comila			FL	2380
			ч	Comment ?	332 605
Date:	Dec,9,2022				mai
	MATERIAL RESIDENCE AND ADDRESS OF THE PROPERTY		( Lu	Ping, signatu	ure)
Attachments:	See above		Accred	dited Signat	ory
Inspection Body	(No. CNAS IB0241): TÜV Rheinland (Shanghai) Co.,	Ltd.			
For order proces	ssing we have stored essential object data and the add	dress. T	he protection	n of the data is	s guaranteed.
The test results	relate exclusively to the described equipment. Partial	copies o	f the docum	entation withou	out a written



authorization by the inspection agency is not permitted.

	Clie	321330 ent PN 474/1 PO		A	(A	Itemative	Form for	r Single Cha	mber, Com	pletely S	Shop or	Field Fabr	ricate	SURE VES d Vessels On s, Section VII	ly)		e 1 of 2			
1.	Manufacture	ed and	d certifie							, Jiaxi	ng Ci	ty, Zheji	iang	itang Roa Province						
2. 1	Manufacture	d for	Atlas	Сорсо	Airpow	er nv,	Ingber	thoevew		rtsela	ar, 26	30, Belg	gium	1						
0 1	Location of I	4-11	-4: P	Not Knov	wn				1)	Name a	nd add	ress of Pu	rchas	ser)						
3. 1	Location of i	nstan	lation •	101 11110				***************************************			(Name	and addr	ess)							
4. T		<b>/ertic</b>	<b>cal</b> ertical, tank			ru 10553 's serial nu			2920.7C CRN)		SEP			5(Remark	7)		1144-1061 nal Board nui			022 ar built)
5.	ASME Code	e, Sed	ction VII	II, Division		Edition and	<b>2021/</b> Addenda	N/A , if applicable	(date)]	elitana anno anno anno anno anno anno anno	(Code	N/A e Case num	bers)			[Spe	N/A		0(d)]	
6. 8	Shell:		SA-414	Gr.G			.108 in			<b>0 in</b> orr. allow.)				669" (ID)				3.138 gth (over		
	,	(iviate	nai spec. n	umber, graue	<sup>3</sup> )	(14011)	riai ulickri		Body Flan				(111)				[Len	gui (over	an)]	
No	Time		ID	OD	Flange	Min Hu	h Thk	Mate		Но	T	Locatio	_				lolting	00 10	\A/aah	
No.	Type N/A		N/A	N/A	Thk N/A	N/A		N/A	eriai	Attac N/A	Attached Loc			Num & Siz	e N/A	Bolting Material	Washer (		D, ID, Washer Material	
					IVA				NI/A											
7. 3			l <b>e UW-1</b> lded, dbl., s	i∠ i p.1 sngl., lap, but	t)] [R.	None T.(spot or f		<b>70%</b> (Eff.,%)	N/A (H.T. temp)		N/A me, hr)			UW-12 T <sub>l</sub> ed, dbl., sngl., la			one oot or full)]	65% (Eff.,		1 of courses
8. H	Heads: (a)	(Ma	aterial sp	ec. numbe		-105 or type) (	H.T ti	me and ten	np.)			(b)	(Ma	SA-41 terial spec. n		.G (No he			nd temp.)	
	Location (To		TI	hickness			Radius	1	Elliptica			x Hemisp				to Pressure		Catego	ory A	
	Bottom, End	s)	Min.	Co		Crow		Knuckle	Ratio		ngle			Diameter	Conv	ex Concave	Туре	<u> </u>	Spot, None Eff	
(a) (b)	TOP BOTTOM	-	2.114 0.094 in	0 i		N/A N/A		N/A N/A	N/A 2.087:1		N/A N/A	N/		5.906 in.	-	X	N/A N/A	-	N/A N/A	N/A N/A
(5)	DOTTOM		0.004 111	. 01		1977			Body Flang			14/		INA			INA		N/A	IVA
						1		Min Hub								Е	olting			
	Location	T	ype	ID	OD	Flang	e Thk	Thk	Mate	erial	Ho	w Attache	d	Num & Siz	ze B	olting Mate	rial Washe		Washer Ma	aterial
(a)	N/A	N/A		N/A	N/A	N/A		N/A	N/A	· · · · · · · · · · · · · · · · · · ·	N/A				ı	N/A	N/A		N/A	
9. N	//AWP		152 ps	si			N	I/A		at ma	ax. ten	np.		248 °F			N/A			
			(Interna	nl)				emal)				_		(Internal)			(External)			
M	lin. design m	netal 1	temp.	-4 °F	Charles and the Charles and the Charles	at	2	248 psi	•	١	Hydro,	, pneu., c	or co	mb. test pro	essure	9	HYDRO	at 19	8 psi	•
Р	roof test										N/A			N TOO SECOND SEC					***************************************	•
10. N	ozzles, inspe	ection	n and sa	afety valv	e openii	ngs:														
	ose (Inlet, Out	tlet,	No.	Diameter	or .	Туре		Mate					s Re	einforcement		Attachment	Details	Loca	ation (Insp.	Onen )
	Drain, etc.)  Drain	-	1	Size G 3/8"				ozzle	Flang		Nom.		+	Material		lozzle	Flange		mon (mop.	- Ороп.,
	Outlet	-	1	M26		oupling oupling		06 Gr.B \-105	N/A N/A		0.105 iı 0.039 iı		-	Inherent Inherent		IW-16.1(c) IW-16.1(c)	N/A N/A	+-		
(	Carft mouth		1	G 3/4"		upling		06 Gr.B	N/A		0.168 ii			Inherent		W-16.2(K)		+		
Addit	tional Nozzles	- See	Attache	d U-4																
11. S	Supports: Sk	kirt	No (Yes or r	Lug	s N		egs	No (Number)	Other	***************************************		1 Supp (Describ			Atta	ched	THE RESERVE OF THE PARTY OF THE	ided on here and	and the same and t	
12. Re	emarks: Manufa	acture	r's Partial	Data Repo	rts prope	rly identifi	ed and s	signed by Co	ommissione	ed Inspec	ctors, ha	ave been f	urnish	ned for the foll	owing	items of the	report:			
N	/A						0.1													_
	1. Anti-v	ri hr	ating	custow	bee	asfati		f part, item nu												
7	2. Thread	led	coupli	ings.			y vai	ve noc	suppii	ed. I	L IS	respo	nsı	bility (	or tr	ie user	<u>-</u>			
	3. Tested 4. Girth	sea	horiz	zontal oggle i	posit n hea	ds Fig	g . UW-	9-3.												
Ţ	5. Impact	te	st exe	emption	per	<b>UG-20</b>	(f).		a\ =											
1	6. Corros	ed po	er UG-	-46 (a)	(4).						corr	osive	ser	vice. In	spec	ction o	penings	-		
_	7. CRN re	gıs	tratio	on draw	ing n	umber	18 S	EPU1638	Rev.0	<u>·</u>										

FORM U-1A

AIRCOM (Zhejiang) General Equipment Co., Ltd., No. 968 Waitang Road, Haiyan Economic Development Zone, Xitangqiao

Commissions

Subdistrict, Haiyar	n County, Jiaxing City, Zhejiang Province, 314	305, People's Republic of China
Manufacturer's Serial No. 1055269 thru 1055	5318 CRN <b>0H2920.7C</b>	National Board No. <u>1061144-1061193</u>
	CERTIFICATE OF SHOP/FIELD COMPLIAN	CE
	n this report are correct and that all details of des PRESSURE VESSEL CODE, Section VIII, Division	ign, material, construction, and workmanship of this vessel n 1. "U" Certificate of Authorization Number 35192
expires June 3, 2023		
Date <b>12/09/2022</b> Co. name	AIRCOM (Zhejiang) General Equipment Co., I (Manufacturer)	Ltd. Signed John Wang (Representative)
Vessel constructed by AIRCOM		SPECTION istrict,Haiyan County, Jiaxing City, Zhejiang Province, 314305, le's Republic of China
		and Pressure Vessel Inspectors and employed by
TUV Rheinland AIA Services, LLC, of Houston	n, TX	
and state that, to the best of my know AND PRESSURE VESSEL CODE, So warranty, expressed or implied, conce	ledge and belief, the Manufacturer has constructed ection VIII, Division 1. By signing this certificate re erning the pressure vessel described in this Manu	ecember 9, 2022 , ed this pressure vessel in accordance with ASME BOILER neither the Inspector nor his/her employer makes any lfacturer's Data Report. Furthermore, neither the Inspector amage or a loss of any kind arising from or connected with

4369385

Date

12/09/2022

Manufactured by

exe: v6.3.126

Signed

Form and version: U1

13914
(National Board Authorized Inspector Commission number)

1114.20

1638213300 FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET  Client PN  4474/1 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 PO											
nd certif	ied by AIRC Xitan	OM (Zhejia gqiao Sub	ang) General E district,Haiyaı	Equipment Co n County, Jiax	., Ltd., N cing City (Name and	o. 968 \ , Zhejia address of	Naitang Roa ng Province Manufacturer)	d, Haiyan Eco , 314305, Peo	nomic De ple's Repu	velopment Zone, ublic of China	
r <u>Atla</u>	s Copco Air	oower nv, l	ngberthoevev								
llation	Not Known	1									
	-411				(Name	and addres	s)				
De Vertical N/A 1055269 thru 1055318 (Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)											
								2022 (Year built)			
Data Report Item Number Remarks											
spection		alve openin		orial	I Novelo T	hielman	la	Attachan			
No.	Size	Туре	Nozzle	Flange	Nom.	Corr.	Material			Location (Insp. Open.	
1	G 1"	Coupling	SA-105	N/A	0.133 in.	0 in.	Inherent	Fig. UW-16.1(c)	N/A		
1	G 3/4"	Coupling	SA-106 Gr.B	N/A	0.118 in.	0 in.	Inherent	Fig. UW-16.1(c)	N/A		
_		Coupling	SA-106 Gr.B	N/A	0.118 in.	0 in.	Inherent	Fig. UW-16.1(c)	N/A		
		Thread-F	N/A	N/A	N/A	0 in.	Inherent	N/A	N/A		
		Thread-F	N/A	N/A	N/A	0 in.	Inherent	N/A	N/A		
1	G 1/8"	Thread-F	N/A	N/A	N/A	0 in.	Inherent	N/A	N/A		
	r Atla: Illation  Ve orizontal, vi 020.7C  RN) Report umber  Spection No. 1	Atlas Copco Airy  Illation Not Known  Vertical  Prizontal, vertical, or sphere)  120.7C  Report  umber  No. Diameter or Size  1 G 1"  1 G 3/4"  1 OD 1.457"  1 G 1/8"  1 G 1/4"	AlRCOM (Zhejia Xitangqiao Sub  r Atlas Copco Airpower nv, I  Illation Not Known  Vertical  Dizontal, vertical, or sphere)  Report  umber  Sepection and safety valve opening  No. Diameter or Size  1 G 1" Coupling  1 G 3/4" Coupling  1 OD 1.457" Coupling  1 G 1/8" Thread-F  1 G 1/4" Thread-F	AlRCOM (Zhejiang) General Exitangqiao Subdistrict, Haiyar  Atlas Copco Airpower nv, Ingberthoevev  Illation Not Known  Vertical  Ozontal, vertical, or sphere) (Tank, sep  Ozontal, vertical, or sphere) (Drawing number  Report  Umber  No. Diameter or Size Type Mat  Nozzle  1 G 1" Coupling SA-105  1 G 3/4" Coupling SA-106 Gr.B  1 OD 1.457" Coupling SA-106 Gr.B  1 G 1/8" Thread-F N/A  1 G 1/4" Thread-F N/A	Atlas Copco Airpower nv, Ingberthoeveweg 7, Aartsel  (Name    Vertical   N/A	AlRCOM (Zhejiang) General Equipment Co., Ltd., N Xitangqiao Subdistrict, Haiyan County, Jiaxing City (Name and  Atlas Copco Airpower nv, Ingberthoeveweg 7, Aartselaar, 263i (Name and addres    Not Known	AlRCOM (Zhejiang) General Equipment Co., Ltd., No. 968 Xitangqiao Subdistrict, Haiyan County, Jiaxing City, Zhejia (Name and address of Purcha	AlRCOM (Zhejiang) General Equipment Co., Ltd., No. 968 Waitang Roa Xitangqiao Subdistrict, Haiyan County, Jiaxing City, Zhejiang Province (Name and address of Manufacturer)  The Atlas Copco Airpower nv, Ingberthoeveweg 7, Aartselaar, 2630, Belgium (Name and address of Purchaser)    Not Known	AIRCOM (Zhejiang) General Equipment Co., Ltd., No. 968 Waitang Road, Haiyan Ecc Xitangqiao Subdistrict, Haiyan County, Jiaxing City, Zhejiang Province, 314305, Peo (Name and address of Manufacturer)  **RATES Copco Airpower nv, Ingberthoeveweg 7, Aartselaar, 2630, Belgium (Name and address)  **Vertical N/A 1055269 th  **Orizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's  **Prizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (National Board number)  **REPORT (Drawing number) (National Board number)  **Report number Remarks**  **Spection and safety valve openings:**  No. Diameter or Size Type Material Nozzle Thickness Reinforcement Attachment **Size Nozzle Flange Nom. Corr. Material Nozzle  1 G 1" Coupling SA-105 N/A 0.133 in, 0 in. Inherent Fig. UW-16.1(c)  1 G 3/4" Coupling SA-106 Gr.B N/A 0.118 in. 0 in. Inherent Fig. UW-16.1(c)  1 OD 1.457" Coupling SA-106 Gr.B N/A 0.118 in. 0 in. Inherent Fig. UW-16.1(c)  1 G 1/8" Thread-F N/A N/A N/A N/A 0 in. Inherent N/A  1 G 1/4" Thread-F N/A N/A N/A N/A 0 in. Inherent N/A  1 G 1/4" Thread-F N/A N/A N/A N/A 0 in. Inherent N/A	AlRCOM (Zhejiang) General Equipment Co., Ltd., No. 968 Waitang Road, Haiyan Economic De Xitangqiao Subdistrict, Haiyan County, Jiaxing City, Zhejiang Province, 314305, People's Repuration of Manufacturer)  **Atlas Copco Airpower nv, Ingberthoeveweg 7, Aartselaar, 2630, Belgium (Name and address of Purchaser)    Not Known	

Expires June 3, 2023

Signed

13914

(National Board Authorized Inspector Commission number)

Commissions

No. **35192** 

(Authorized Inspector)

AIRCOM (Zhejiang) General Equipment Co., Ltd.
(Manufacturer)

Certificate of Authorization: Type <u>"U"</u>

Name

Signed

Date 12/09/2022

Date 12/09/2022