			, s	TREICH	iER Mas	chin	enba	u Gmb	н, .	Joset-Wa	llne	r-Str	. 10	, 9446	9 Deg	gendor	f	
1, Ma	nufact0red and	ceranea D								*								
2. Ma	inufactured for		s	chenk	Filter	bau	GmbH	, 735		ame and addre Waldstet		nufacture	r) 	kar	177	19		
								(1	Name	and address o	of Purcha	ser)	1	77				
3. Lo	cation of installa	tion							(N	lame and addr	ess)	 						
4. Ty				filter					159 N/A				MO-173		8		1994	
5. AS	Horiz., vi) ME Code, Secti	art., or sph on Vill, Div	•		parator, jkt. v 192 Add			., etc.)	(Mig' 	's serial No.) N/A	(C	;RN)	(Ura	No.)	(Nai	ri. Bd. No.)	(Ye:	ar b
					Edition an			•			de Case				cial Serv	vice per UG-1	20(d)	
items 6	i - 11 incl. to be ell (a) No. of		Ω	e wall vess NE	els, jackets	of jacket				it exchangers, (ph (ft & in.):	or chamt	. 055"	-cname	er vessets.				
					Material			1				Ciro	en lois	m, Joint (Cat. A, B		Heat 1		
No.	Diameter, in.	Length (Spec./Gr	Nom. Corr.		Туре	,— <u> </u>	Joint (Cat. A) Spot, None	Eff.	Type		pot, None	Elt.	Temp.		Time	
	313.37"	9.055		SA240		0,24		db1/	Nor		70	sng/	None)	70	None		=
								Butt	<u> </u>		,	Butt				 		
7 Ha	ids: (a)			<u></u>		<u> </u>	<u> </u>	1	<u></u>	(b)i		L	l		L			
7. IIG4		(Mari	Spec. N	o., Grade o	r Type) H.T.	- Time	& Temp)		(0)	,) H.T. • '	Time & Temp		
	Location (Top		kness		dius Knuckie	Elliptic Ratio	- 1	Conical		Hemispherical Radius	Fla	-	Side to	Pressure Concave	Туре	Full, Spot, N	gory A	
(a)	Bottom, Ends	Min.	Corr.	Crown	Kritickie	Rau		Apex Ang)ie	naulus	Diam	erei O	Olivey	CONCEVE	1,700	T GR, SPOL TE	0.10	
(b)		-	-					-										
8. Typ If ba	ar, give dimensions	Туре 1	N/A		and at may	.:	350		350	Jacket closure	upp		(Des	Fig 9-5	ee & wel	lf boited, des	cribe d	or s
8. Typ If bi 9. MA	e of jacket ar, give dimension WP 85	Type 1	N/A 14,5	rnal)	psl at max.		,		350	Jacket closure	upp	No., Grade OF + Id design n	(Des	Fig 9-5	ee & wel	If boited, des		or s
8. Typ If bi 9. MA	e of jacket ar, give dimensions WP85	Type 1	N/A 14,5		psi at max.	temp.	350 (intern	nai)	350 (ext	Jacket closure	upp PF Min	er + 10	(Des	Fig 9-5	ee & wel	lf boited, des		or s
8. Typ If ba 9. MA 10. kmp	e of jacket ar, give dimension WP 85 (internal act test	None,	N/A 14,5 (exter , acc.	mal) UHA-51	.3 psi	temp.	350 (intern	nal) yes or no	350 (ext	Jacket closure O ternal)	upp PF Min	er + 10	(Des	Fig 9-5 cribe as og	ee & wel	lf boited, des		or s
8. Typ If bi 9. MA 10. Imp 11. Hyc items 1	e of jacket ar, give dimension WP 85 (internal act test	None,	N/A 14,5 (exter , acc.	mal) UHA-51	.3 psi	temp.	350 (interr	nal) yes or no	350 (extend the	Jacket closure O ternal)	upp PF Min	er + 10	(Des	Fig 9-5 cribe as og	ee & wel	lf boited, des		or s
8. Typ If bi 9. MA 10. Imp 11. Hyc items 1	e of jacket ar, give dimension WP 85 (internal act test	None,	N/A 14,5 (external control con	mal) UHA-51 128 sections.	.3 psi N/A	temp.	350 (internal dicate Proof to	nai) yes or no est	350 (extend the	Jacket closure O ternal)	upp PF Min	er + 1 design n	(Des	Fig 9-5 cribe as og	ee & wel	lf boited, des	85	
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1: 12. Tub	e of jacket ar, give dimension By (internation act test Iro., pNSSCSSCS 2 and 13 to be of esheet:	None, None, Stationary	N/A 14,5 (external control con	rnal) UHA-51 128 sections.	.3 psi N/A	temp.	350 (internal dicate Proof to	nai) yes or no est	350 (extend the North	Jacket closure O ternal) ne component(file Norn. thk.,	upp F Min (s) impac	er + 1 design n	(Des netal ten	Fig 9-5 cribe as og	ee & wel	ll boked, des	85 ed or	
8. Typ If bi 9. MA 10. Imp 11. Hyc items 1: 12. Tub	e of jacket ar, give dimension wp 85 (internal act test dro., pNSBCSSS 2 and 13 to be of esheet: cloating (Mari S) es:	None, None, Stationary	N/A 14,5 (exter acc. ress. for tube s	128 sections.	.3 psi N/A Dia.	temp.	350 (internal indicate Proof is	yes or no est	350 (extended the North	Jacket closure O ternal) ne component(file Norn. thk.,	wpp F Min (s) impac	er + 1. design n t tested)	(Des netal ten	Fig 9-5 cribe as og	ee & wel	If bolted, described with the second	85 ed or	boli
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1: 12. Tub F	e of jacket ar, give dimension WP 85 (internal act test Iro., pNSSCOPPE 2 and 13 to be of esheet: itoating (Marti Spess 4 - 18 incl. to be	None, None, Stationary Dec. No.) Spec. No., complete	N/A 14,5 (exter acc. ress. for tube s (Mart Sp	128 sections. Type r Type r chamber	.3 psi N/A Dia.	in. (sub	350 (internal dicate Proof to place to	yes or no est press.)	350 (external shapes) (externa	Jacket closure O ternal) ne component(file Norn. thk.,	wpp F Min (s) impact in. Co	er + 1. design n t tested)	(Des netal ten	rig 9-5 cribe as og	ee & wel	If boked, des- *F at chment (weld	85 ed or	boli
8. Typ If be 9. MA 10. Imp 11. Hyc items 1: 12. Tub F 3. Tub	e of jacket ar, give dimension ar, give dimension B5 (internal act test iro., pNSSCCCCC 2 and 13 to be of esheet: Floating (Mari S) es: . Mari S 4 - 18 Incl. to be (a) No. of of	None,	N/A 14,5 (exter, acc., acc., for tube s (Matt Sp	128 sections. Dia r Type er chamber	Dia., in.	in. (sub	350 (internal distribution of the proof to place	yes or no est press.)	350 (external depth of the second of the sec	Jacket closure O ternal) ne component(file Nom. thk., Nom. thk., in. cchangers. ph (fi & in.):	wpp F Min (s) impact in. Co	er + 1. design n t tested) orr. Allow.	Corr. All	rig 9-5 cribe as og	Atta	If boked, des- *F at chment (weld	ed or	boli U)
8. Typ If be 9. MA 10. Imp 11. Hyc items 1: 12. Tub F 3. Tub	e of jacket ar, give dimension WP 85 (internal act test Iro., pN889,00000000000000000000000000000000000	None,	N/A 14,5 (exter acc. ress. for tube s (Matl Sp	128 sections. Discrete No.) Type or chamber	.3 psi N/A Dia.	in. (sub	350 (internal dicate Proof to place to	yes or no est press.)	350 (external depth of the second of the sec	Jacket closure O ternal) ne component(file Nom. thk.,	wpp F Min (s) impact in. Co	er + 1. design n t tested) orr. Allow.	(Des (Des netal ten Corr. All in.	Fig 9-5 scribe as og	Atta	ohment (weld	ed or	boli U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension ar, give dimension (internal act test iro., pNSBCSFCSFCS 2 and 13 to be of esheet: (internal iro., pNSBCSFCSFCS Art 18 incl. to be (a) No. of course	None,	N/A 14,5 (exter BCC. ress. for tube s (Marl Sp Grade or d for inne ON	128 sections. Discrete No.) Type or chamber	Dia Dia a., in a of jacketed	in. (sub	in. s or cha	Nom. the type db1/	350 (external depth of the second of the sec	Jacket closure O ternal) ne component(the Norn. thk., Norn. thk., changers. th (ft & in.): Joint (Cat. A) Spot, None	ypp F Min (s) impaction. Coorgauge	design not tested) trested) orr. Allow Circ Type sng/	Corr. All	ow., in.	Atta	tholited, described with the comment (weld Attachment Type (Straig	ed or	boli U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension ar, give dimension By 85 (internal act test Iro., pNSSCSSCS 2 and 13 to be of esheet: Nari S 4 - 18 incl. to be Course Diameter, in.	None,	N/A 14,5 (exter BCC. ress. for tube s (Marl Sp Grade or d for inne ON	128 sections. Type or chamber E Ma	Dia Dia a., in a of jacketed	in. (sub	in. s or cha	Nom. the contract of the contr	350 (extra and the More than t	Jacket closure O ternal) ne component(the Norn. thk., Norn. thk., changers. th (ft & in.): Joint (Cat. A) Spot, None	in. Coor gauge	design not tested) orr. Allow Circ. Type	Corr. All	ow., in.	Atta	chment (weld Attachment Type (Straig Heat*	ed or	boli U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension are give dimension are give dimension (internal act test iro., pNSSCSSSC 2 and 13 to be of esheet: (internal iro., pNSSCSSSC 2 and 13 to be of esheet: (internal iro., pNSSCSSSC 2 and 13 to be of esheet: (internal iro., pNSSCSSSC 2 and 13 to be of esheet: (internal iro., pNSSCSSSC Course Course Diameter, in. 2 11 . 43 **	None,	N/A 14,5 (exter, acc., a	128 sections. Type or chamber E Ma	Dia Dia a., in a of jacketed	in. (sub	in. s or cha	Nom. the type db1/	350 (extend the North No	Jacket closure O ternal) ne component(file Nom. thk., changers. ph (ft & in.): Joint (Cat. A) , Spot, None	in. Coor gauge 1:1 Eff. 70	design not tested) It tested) Circ Type Sng/ Butt	Corr. Alli. in. Num	ow., in. nber t (Cat. A, B	Atta	chment (weld Attachment Type (Straig Heat Temp.	ed or	boli U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension ar, give dimension B5 (internal act test act test act test act test act test Aro., pNSSCSSCS act test act test Aro., pNSSCSSCS act test act test Aro., pNSSCSSCS act test	None,	N/A 14,5 (exter , acc., for tube s (Matl Sp Grade of for inne ON	Type or, chamber Spec. Grade c	Dia. Dia. i., in. s of jacketed sterial adear Type 316L	O.D., in. (sub) O.D., i vessels Nom. O.315	in. s or cha	Nom. the control of t	350 (extend the North No	Jacket closure O ternal) ne component(file Nom. thk., changers. ph (ft & in.): Joint (Cat. A) , Spot, None (b) S	in. Coor gauge 1 1 1 Eff. 70	design in tested) t tested) orr. Allow. Type sng/ Butt lút. /ari Spec	Corr. All in. Num Full, S Non	Fig 9-5 cribe as og np. 32 ow., in. nber t (Cat. A. B Spot, None G	Atta	chment (weld Attachment Type (Straig Heat Temp. Norks	85 ed or	bols U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension are give dimension (internal act test ac	None,	N/A 14,5 (exter , acc., ress. for tube s (Matl Sp Grade or d for inne ON ft & in.)	Type Type Type Type Type Type Type Type	Dia. Dia. a., in. s of jacketed sterial adear Type 316L or Type) H.T	O.D., I vessels Nom. O.315	in. s or cha	Nom. the conical conic	350 (extend and the North Nort	Jacket closure O ternal) ne component(file Nom. thk., changers. ph (ft & in.): Joint (Cat. A) , Spot, None	in. Coor gauge 1 1 1 Eff. 70	design n t tested) orr. Allow. Circ Type sng/ Butt	Corr. All in. Num Full, S Non	ow., in. nber t (Cat. A, B	Atta	chment (weld Attachment Type (Straig Heat Temp. Norks	85 ed or	boli U)
8. Typ If bis 9. MA 10. Imp 11. Hyd items 1 12. Tub Items 1 14. She No.	e of jacket ar, give dimension ar, give dimension B5 (internal act test act test act test act test act test Aro., pNSSCSSCS act test act test Aro., pNSSCSSCS act test act test Aro., pNSSCSSCS act test	None,	N/A 14,5 (exter acc. ress. for tube s (Mart Sp Grade or on on ft & in.) Spec. No kness Corr.	rnal) 128 128 sections. Pec. No.) Type or chamber Spec./Gr. SA240 Ra Crown	Dia. Dia. i., in. s of jacketed sterial adear Type 316L	O.D., I vessels Ngm. O.315 RI/A Rati	in. s or cha	Nom. the control of t	350 (extend and the North Nort	Jacket closure O ternal) ne component(file Norn. thk., Norn. thk., in., changers. th (fil & in.): Joint (Cat. A) Spot, None se (b) Hemisphorical	in. Coor gauge 1 1 1 Eff. 70 Clare Gauge 1 1 1 Coor gauge	design in tested) Trested) Circ Type Sng/ Butt Idi. Aari Specat	Corr. All in. Num Full, S No., G Side to	ow., in. The control of the control	Atta	chment (weld Attachment Type (Straig Heat Temp. Norice	85 ed or	bolin U)

If removable, boits used (describe other fastening)

16. MAWP	85		14.5	psi at n	nax. temp.	350	350	•F	Min. design metal ter	32 no.	•E at	2 85
17. Impact tes	(internal Non	•	(external)			(internal)	(externa	n .				
18. Hydro., 3 66		**	128	3 psi		ndicate yes or	no and the co	mponent(s) i	mpact tested)	# 927	179	
			ety valve openin			Proof test _	140110	-	:	1 17	1	
Purpose (<u> </u>	1	Diameter	Flange	14	et a dad	T	Pt. 1 . 1	T			
			1			aterial	Nozzie Thickness		Reinforcement	.Alow A	Mached	Locatio
Outlet, Drai	n, etc.)	No.	or Size	Туре	Nozzie	Flange	Nom.	Corr.	Material	Nozzie	Flange	(insp. Op
	500	Form L	-4 attache	d ·		1	ļ					
										1		
							1			+		
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		 				 `				 		
Supports: 5	Skin	No	Lu	os T	Le	ne 3	Othe	<u> </u>	J	<u></u>	welded to	sedia
рроли. с		(Yes o		(No.)		y4			45	Attached _		
Manufactur	ada Bada	•	•			(No.			(Describe) ished for the following i		(Wh	ere and How
(List the nar	ne of pari	i, item ni	umber, m(g's. na	ume and ideni	ifying numb	er)						
Remarks:								1.73				
rwitter KS.												*****
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U Certificat				26,989 STREICHE	R Maschi	nenbau Gut	Expires :::::::::::::::::::::::::::::::::::	April 2		The !	19 <u>96</u>	
					(Ma	nufacturer)			Cigired		sentative)	
					CER	TIFICATE O	F SHOP IN	SPECTION	1	(Tiopio		
I, the under	rsigned, ved by	holding	a valid comm LR Insura	nission issue	ed by The i	National Boa	rd of Boiler	and Pressu	re Vessel Inspectors			A
the pressur	e vesse	descri	hed in this Ma	nuischurer's	Data Poo	~~~ <i>~</i> ~	1	GH	of <u>l</u> , and state that, to th	Delaware	h	ave inspect
Manufacturi	er has co	netruc	ted this pressu	ro weeel in	occarios.	OLOH	CIPLY (). 18	71	, and state that, to th	e best of my	knowledge:	and belief, t
emolover m	akes en	warrer	nty everegeed	orimalise a	accologic	MILL ADME	Cooe, Secu	on viii, Divis	sion 1. By signing this	certificate ne	either the los	spector nor l
nor his emp	lover sh	all ha li	able in any me	on ampliou, or	ourous (III) Či	ie pressure v	escel oescrit	oea in this M	anufacturer's Data Re	port. Further	more, neithe	r the inspec
	·• y • · • · • · •	E11 50 (K	asie at eary ma	IRROL IOL BUTY	personal r	rijury or prope	erry gamage	or a loss of	any kind arising from	n or connecte	d with this i	nspection.
neta 16	141	24	Cionad	//	/5 _		_		10711 YA 6	AT WAR		
Date /suf	 71 	7-7-	Signed	//				Commission	ons			
<u> </u>			,			ized Inspecto		·	(Natl Board incl. e	ndorsement,	State, Prov	ince and N
M				C	ERTIFICA	TE OF FIEL	D ASSEMB	LY COMPL	IANCE			
WE CEILIN IT	at the st	atemer	nts on this repo	rt are correc	ct and that t	he field asser	mbly constru	ction of all p	parts of this vessel co	nforms with t	he requirem	ents of ASM
0000, 3000	OD VIII,	DIAIZIO	11,						•	#2	•	
U Certificate	of Auth	orizatio	on No				Expires			. 1	9	
										•	-	
Date			Name			·			Signed			
		1			(A	sembler)	` .			· · (Repre	contetivol	1
-				C		TE OF FIEL	D ASSEMB	LY INSPE	CTION	(nopre	serrauve)	
, the unders	signed, i	nolding	a valid commi	ssion issue	d by The N	lational Boar	d of Boiler a	nd Pressur	e Vessel Inspectors	and the Stat	o or Dravina	n af
ınd employı	ed by								of	CITO BID OISI	e or Provinc	
nave compa	ved the	staten	nents in this	Manufactur	er's Data	Report with	the describ	ed pressur	e vessel and state	that same		
				, not in	ncluded in	he certificate	of shop in	naction he	ve been inspected b	uar parts re	sierreo lo a	s cata item
and belief, th	e Manu	facture	has construct	ed and see	ambled this	Drocering up	, or enop us	hanner mar	ACRE OF TO COM	y me and to t	ne pest of m	ny knowledg
vas inspecte	ed and s	ubiecte	ed to a hydroei	estic toet of		HAN BINGSON		carice with	ASME Code, Section	n VIII, DIVISIO	n 1. The des	CODEC VESS
expressed o	r imalier	d con~	emina the area	CHIP WALL	l docarit	psi. by si	gning this c	ermicate ne	wither the inspector r	or his emplo	yer makes i	any warrani
API GOOGG G	umpnec	2, WIIG	arrier & mie bres	szure vesse	(described	i in this Manu	itacturer's D	ata Report	. Furthermore, neithe	er the inspect	lor nor bie e	mployer sh
- 11010 11 S	uty (IIAN	inal (ÖL	any personal (njury or pro	perty dam	age or a loss	of any kind	arising from	n or connected with	this inspection	on.	
nto			m:				•		251			
ate			Signed	·····				Commissio	ns			
					(Authori	zed Inspecto	r)		(Nat'l Board incl. e	ndorsement	State, Provi	ince and No

(Nat1 Board incl. endorsement, State, Province and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section Vili, Division 1

1. Manufactured and ce	Manufactured and certified by			STREICHER Maschinenbau GmbH, Josef-Wallner-Str. 10, 94469 Daggandorf Schenk Filterbau GmbH, 73550 Waldstetten 43179											
2. Manufactured for	SCHOIK	Schenk Filterbau GmbH, 73550 Waldstetten (name and address of purchaser)													
3. Location of installation	n		(name and address)												
4. Type: vert	ical			filter		·		159							
N/A ^{(h}	oriz., vert.	, or sphere)		(tani MO-173	k, separator, l i	eat exh., etc	.)	(mig's ser		rial no.) 1994					
	(CRN)					o.)		(Nati. Bd. no.	(ye	(year built)					
Data Report			······································	····			Remarks	<u> </u>	7 14						
Purpose (Inlet)	T	Diameter	Flange	Mat	eriai	Nozzie T	hickness	Reinforcement	How Attached		Location				
Outlet, Drain, etc.)	No.	or Size	Type	Nozzle SA312	Flange SA182	Nom. 0,154"	Согт.	Material None	Nozzie welded	Flange welded	(Insp.Oper				
TOP FEED	1		wn	TP316L	F316L	0,134		1000		- H	<u> </u>				
BOTTOM FEED	1	2"					-	*		N	ļ				
SLURRY RETURN		2"	84	W	H	4	"				•				
VENT	1	2"	•			*	-		el	*	-				
COMPRESSED AIR	1	1"		ă	64	0,133"	-	*		•	-				
PRESSURE CONNECTION	1	2"		a	**	0,154"	-	10	*	H	-				
SPARE	1	2	•		# 1	P	-	. *	•	•	, -				
SIGHT GLASS	1	2"	block	SA182 F316L	-	1.65	-	integral	u	•	SHELLSII				
SAFETY VALVE	1	2"	wn	SA312 TP316L	SA182 F316L	0,154"	-	None	*		TOPHEA				
CAKE DISCHANGE	1	12"	loose type	SA240 316L	SA240 316L	0,315"	-			#1	•				
STEAM INLET	1	1"	wn	SA312 TP316L	SA182 F316L	0,133"	-	•	•	bi	-				
STEAM OUTLET	1	1"	•	"	*	•	-	*	•		-				
PROPRIEATARY	1	4,528"	block	SA182 F316L	-	1,378"	-	integral	•	•	•				
PROPRIEATARY	1	7,48"		SA240 316L	•	1,969"	•			•	•				
				····											

	-														
Certificate of Authorization	n: 1	Type U		_ No	26.989		E	xpires <u>April</u>		. 17	96				
Date <u>574/94</u>	Na	me S1	REICHER N		/)	Signed	with						
				(നുജ്	Macturer)		/		{re	presentative)					

NB-6