## **ARMSTRONG**®

±1/4(6) 8 3/4									"^" ±1/2(13)							
	±1/4(6)					or     A     90'       (N1)     +1/4/(5)     (N4)							±1/4(6)			
			17 1/ - (43	/4			<del>_ </del>	(N1) 					<u> </u>		8 3/4 (222)	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$														7 1/8 (181)		
For higher steam pressure, use Extended shell.																
2 - 3/4 (19) DIA. 2 1/2 - -   DIMENSIONS SHOWN AS: inches (mm) HOLES (TYP.) (64)																
DIMENSIONS																
EXCHANGER SIZE			A		В				c							
			nches	mm			m	inches		inches	mm	inches		inches	mm	
<u>WS-85-2-4</u> WS-86-2-4			7 <u>2</u> 84	1829 49 2134 61				40 <u>3/4</u> 52 3/4		62 74	1 <u>575</u> 1880	4	102	1 1/4	25 32	
WS-87-2-4			96	2438	73	i 185	64 (	64 3/4	1645	86	2184	4	102	1 1/4	32	
WS-88-2-4			08	<u>2743</u>	85			76 3/4	1949	98	2489	6	152	1 1/4	32	
<u>WS-89-2-4</u> WS-810-2-4			<u>20</u> 32	<u>3048</u> 3353	<u>97</u>			<u>88 3/4</u> 00 3/4		110 122	2794 3099	6 6	1 <u>52</u> 152	<u>1 1/4</u> 1 1/4	<u>32</u> 32	
WS-811		<u>52</u> 44	<u>3658</u>	10			<u>00 3/4</u> 12 3/4		134	3404	6	152	1 1/4	32		
WS-812		56	3962	13.			24 3/4		146	3708	6	152	1 1/4	32		
WS-813		68	4267	14			36 3/4		158	4013	6	152	1 1/4	32		
WS-814-2-4		1	80	<u>4572</u>	15	7 398	<u>38   1</u>	<u>48 3/4</u>	3778	170	4318	6	152	1 1/4	32	
NOZZLE SCHEDULE NOTES: 1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDEF																
SERVICE	MARK		ELL SID		MARK	TUBE SIDE			2. NOZZLE SIZES SHOWN AF							
INLET				r Table				FLG	-	MAXIMUM EXCHANGER LIFE.						
OUTLET	R2		PER TAB		NG			FLG	5.		BRICATED TO ASME CODE SECTION VIII DIVISION 1					
							. ,		4. DRAWING IS NOT			TO SCALE.				
VENT NA 3/4 (1			19) NP	NPT					5. ALL DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.							
		DE	SIGN C	ONDITIO	ONS		CUSTOM	ER:								
SHELL TUBES								LOCATION:								
DESIGN PRESSURE			150 P	PSIG 1034 KPo		150 PSIG 1034 KPa		4 KPa	ENGINEER:							
DESIGN TE	DESIGN TEMPERATURE				191 °C	375 °F 191		)1 °C	ORDER No.:							
MIN. DESIGN METAL TEMP.			_		1.7 °C 35 °F		_	7 °C	PROJECT/JOB:							
	HYDRO, TEST PRESSURE				51G 1551 KPa 225 PSIG			1 KPa	1							
CONTENTS			STEAM			WATER			TAG;				(QUOTE # )			
	G.A. 150 LB. WS SEF				A F	R M	S	Т					REV,			
$\frac{\text{HEAT EXCHANGERS}}{\text{DATE: 12/01/94}}  \text{DY: D.C.R.}  \text{Toronto - Canada Montreal - Canada Buffalo - N. Y. Colchester - U.K.} \\ \text{TEL: (416) 755-2291}  \text{TEL: (514) 421-2424}  \text{TEL: (716) 693-8813}  \text{TEL: (44) 120-657-9491}  \text{WS-8-2P-4-(6)}$										-4-(6) I						
DAIL: 12	/ 11 / 94	- BI:	U.L.R.	IEL : (41	16) 755-22	91 TEL;(5	14) 421	-2424 TE	L; (/16) 693-8	6615 TEL: (44)	120-657-9	M91 170		· (~)		