

NOTES:
DIMENSIONS SHOWN IN INCHES


CONSTRUCTION			CONNECTIONS			
FRAME SIZE:	1000		FLUID	PORT	SIZE	MATERIAL
PLATE ARR'T:	2x14H, 2x(3H + 11Y)		HOT (IN)	A	4	150# Studded Carbon Steel
NO. OF PLATES:	57		HOT (OUT)	H	4	150# Studded Carbon Steel
PLATES:	316 Stainless Stl .4/.4mm DOUBLE WALL		COLD (IN)	E	4	150# Studded Carbon Steel
MAX NO. of PLATES:	158 DOUBLE WALL		COLD (OUT)	D	4	150# Studded Carbon Steel
GASKET MTL:	Nitrile		 API Schmidt-Bretten SCHMIDT PLATE HEAT EXCHANGERS			
DESIGN CONDITIONS	HOT	COLD				
DESIGN PRES. (PSIG)	150	150				
TEST PRES. (PSIG)	225	225				
DESIGN TEMP. (°F)	230	230				
MIN. TEMP. (°F)	32	32	MADE	TITLE		
WEIGHT DRY/FILLED:	1135 / 1205		CPM	Sigma X29 PLATE HEAT EXCHANGER		
			DATE	SIZE	PART NUMBER	REV.
			5/14/98	A	4-X29-GBN-057-001	1
			CHECK			
			1929			
			DATE			
			5/21/98			

Plate Pack Arrangement

Contract Number: B980069-301 **Document Number:** 4-X29-GBN-057-001PA

Plate Grouping: 2x14H Left (Hot) Side
2x(3H+11Y) Right (Cold) Side

Plate Summary:	<u>Part Number</u>	<u>Qty</u>	Plate Pack Dimension:
	3-X29-B4HM-D0N03	32	6 15/16 inches Maximum
	3-X29-B4YM-D0N03	22	
	3-X29-B6HM-D0N06	1	6 3/4 inches Minimum
	3-X29-B6HM-00N05	1	
	3-X29-B6HM-00N25	1	
		57 Total plates	

Arrangement:	<u>Plate No.</u>	<u>Part Number</u>	<u>Figure</u>	Gaskets face fixed head.
	1	3-X29-B6HM-00N25	R AFR/EFR	
	2	3-X29-B4HM-D0N03	L CL	
	3	3-X29-B4HM-D0N03	R CR	
	4	3-X29-B4HM-D0N03	L CL	
	5	3-X29-B4HM-D0N03	R CR	
	6	3-X29-B4HM-D0N03	L CL	
	7	3-X29-B4HM-D0N03	R CR	
	8	3-X29-B4YM-D0N03	L CL	
	9	3-X29-B4HM-D0N03	R CR	
	10	3-X29-B4YM-D0N03	L CL	
	11	3-X29-B4HM-D0N03	R CR	
	12	3-X29-B4YM-D0N03	L CL	
	13	3-X29-B4HM-D0N03	R CR	
	14	3-X29-B4YM-D0N03	L CL	
	15	3-X29-B4HM-D0N03	R CR	
	16	3-X29-B4YM-D0N03	L CL	
	17	3-X29-B4HM-D0N03	R CR	
	18	3-X29-B4YM-D0N03	L CL	
	19	3-X29-B4HM-D0N03	R CR	
	20	3-X29-B4YM-D0N03	L CL	
	21	3-X29-B4HM-D0N03	R CR	
	22	3-X29-B4YM-D0N03	L CL	
	23	3-X29-B4HM-D0N03	R CR	
	24	3-X29-B4YM-D0N03	L CL	
	25	3-X29-B4HM-D0N03	R CR	
	26	3-X29-B4YM-D0N03	L CL	
	27	3-X29-B4HM-D0N03	R CR	
	28	3-X29-B4YM-D0N03	L CL	
	29	3-X29-B6HM-D0N06	R ER	
	30	3-X29-B4HM-D0N03	L CL	
	31	3-X29-B4HM-D0N03	R CR	
	32	3-X29-B4HM-D0N03	L CL	
	33	3-X29-B4HM-D0N03	R CR	
	34	3-X29-B4HM-D0N03	L CL	
	35	3-X29-B4HM-D0N03	R CR	
	36	3-X29-B4YM-D0N03	L CL	
	37	3-X29-B4HM-D0N03	R CR	
	38	3-X29-B4YM-D0N03	L CL	
	39	3-X29-B4HM-D0N03	R CR	

API Heat Transfer

Schmidt-Bretten Plate Heat Exchangers

Arrangement:	<u>Plate No</u>	<u>Part Number</u>	<u>Figure</u>
	40	3-X29-B4YM-D0N03	L CL
	41	3-X29-B4HM-D0N03	R CR
	42	3-X29-B4YM-D0N03	L CL
	43	3-X29-B4HM-D0N03	R CR
	44	3-X29-B4YM-D0N03	L CL
	45	3-X29-B4HM-D0N03	R CR
	46	3-X29-B4YM-D0N03	L CL
	47	3-X29-B4HM-D0N03	R CR
	48	3-X29-B4YM-D0N03	L CL
	49	3-X29-B4HM-D0N03	R CR
	50	3-X29-B4YM-D0N03	L CL
	51	3-X29-B4HM-D0N03	R CR
	52	3-X29-B4YM-D0N03	L CL
	53	3-X29-B4HM-D0N03	R CR
	54	3-X29-B4YM-D0N03	L CL
	55	3-X29-B4HM-D0N03	R CR
	56	3-X29-B4YM-D0N03	L CL
	57	3-X29-B6HM-00N05	R FR

Gaskets face fixed head.

Rev: 4	ASSEMBLY PART NUMBERS	Engineering Standards
Date: 03/22/07		ES-3.001
Approved:		Sheet No. 5 of 7

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Table C - Plate Punch Codes

01 BR TL	02 AR TB	03 CR TC	04 DR TD
05 FR TE	06 ER TF	07 HR TG	08 GR TH
09 JR TI	10 IR TJ	11 LR TK	12 KR TL
13 MR TM	14 OR TN	15 NR TO	16 PR TP

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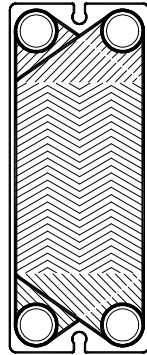
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<p>21</p> <p>ABR/EBR AAL/EAL</p>	<p>22</p> <p>AAR/EAR ABL/EBL</p>	<p>23</p> <p>ACR/ECR ACL/ECL</p>	<p>24</p> <p>ADR/EDR ADL/EDL</p>
<p>25</p> <p>AFR/EFR AFL/EFL</p>	<p>26</p> <p>AER/EER AEL/EEL</p>	<p>27</p> <p>AHR/EHR AHL/EHL</p>	<p>28</p> <p>AGR/EGR AGL/EGL</p>
<p>29</p> <p>AJR/EJR AJL/EJL</p>	<p>30</p> <p>AIR/EIR AIL/EIL</p>	<p>31</p> <p>ALR/ELR ARL/ELR</p>	<p>32</p> <p>AKR/EKR AKL/EKL</p>
<p>33</p> <p>AMR/EMR AML/EML</p>	<p>34</p> <p>AOR/EOR ANL/ENL</p>	<p>35</p> <p>ANR/ENR AOL/EOL</p>	<p>36</p> <p>APR/EPR APL/EPL</p>

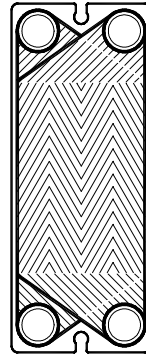
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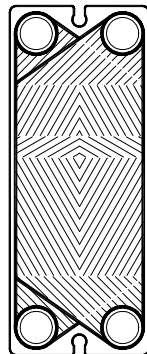
Figure 1



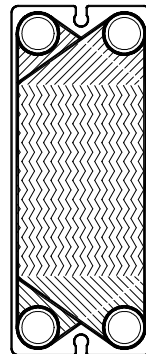
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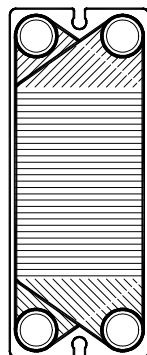
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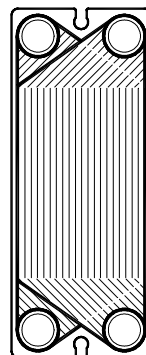
Pattern Y



Pattern Z



Pattern F



Pattern V