



NOZZLE SCHEDULE			
TAG	SIZE	TYPE	SERVICE
A	1 1/2"	150# ANSI RFSO	SHELL SIDE INLET/OUTLET
B	1 1/2"	150# ANSI RFSO	SHELL SIDE INLET/OUTLET
C	3/4"	150# ANSI RFSO	TUBE SIDE INLET
D	1"	150# ANSI RFSO	TUBE SIDE OUTLET
E	3/4"	NPT	SHELL SIDE VENT
F	3/4"	NPT	SHELL SIDE DRAIN
G			
H			
J			
K			
L			
M			
N			

DESIGN DATA		
	SHELL SIDE	TUBE SIDE
DESIGN PRESSURE	200 PSI	200 PSI
TEST PRESSURE	260 PSI	260 PSI
DESIGN TEMP	-20/250° F	-20/250° F

MATERIALS OF CONSTRUCTION		
PART	SHELL SIDE	TUBE SIDE
TUBES	SA-249 304	
TUBESHEETS	SA-240 304	
BAFFLE/FINS	SA-240 304	
HEADS		SA-240 304
SHELL	SA-312 TP304	
NOZZ FLGS	SA-182 F304	SA-182 F304
CPLGS	SA-182 F304	
BOLTS/NUTS	SA-193 GR.B8 CL2 / SA-194 8M	
GASKETS	Blueguard 3300	
O-RINGS		
BODY FLGS		

DIMENSIONS & DATA CERTIFIED FOR	
CUST. ORDER:	4500358526
BASCO ORDER:	S095421-101
BY:	JM
DATE:	03/16/2009
CODES:	ASME VIII, Div. 1 LATEST ADD., TEMA C

- NOTES:
- ALL DIMENSIONS ARE IN INCHES.
  - ALL BOLT HOLES TO BE EQUALLY SPACED, AND STRADDLING THE CENTERLINES.
  - TOLERANCES ARE IN ACCORDANCE WITH TEMA STANDARDS.
  - UNIT SHIPPED WITH A +5 PSI NITROGEN PURGE BOTH SIDES.

VESSEL WEIGHTS:  
 DRY: 335 LBS.; FLOODED: 624 LBS.

INTERNAL VOLUME  
 SHELL: 0.804 CU. FT.; TUBE: 1.12 CU. FT.

13	1	NAMEPLATE: BASCO (CODE)	STN. STL.			4072-01-0106-01
12	1	NITROGEN PURGE COVER ASSEMBLY: 3/4" W/ VALVE & GAUGE				2032-75-150-007
11	1	NITROGEN PURGE COVER ASSEMBLY: 1" W/ VALVE & PLUG				2032-01-150-002
10	1	NITROGEN PURGE COVER ASSEMBLY: 1 1/2" W/ VALVE & GAUGE				2032-15-150-009
9	1	NITROGEN PURGE COVER ASSEMBLY: 1 1/2" W/ VALVE & PLUG				2032-15-150-008
8	2	PIPE PLUG: 3/4" NPT (SQ. HD.)	STN. STL.	SA-182 F304		4020-95-0110-00
7	24	HEX NUT: 1/2"-13 TPI	STN. STL.	SA-194 8M		4026-32-0111-01
6	12	STUD BOLT: 1/2"-13 TPI x 5.50" LG.	STN. STL.	SA-193 GR.B8 CL2		4022-32-4408-01
5	1	GASKET		Blueguard 3300		4012-06-0199-01
4	1	GASKET		Blueguard 3300		4013-06-0199-00
3	1	BONNET ASSEMBLY			B	2021-05-001-001
2	1	BUNDLE ASSEMBLY			B	2006-05-054-002
1	1	SHELL ASSEMBLY			B	2069-05-054-004

No	Revision	By	Date
2	ADDED COMPONENT THICKNESS	TJC	6/11/09
1	CHANGES PER CUSTOMER MARK-UP	D.N.	04/23/09

TAG NO. HXR-401

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FILE NAME  
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DRAWN 03/16/2009 BY: JM      CHECK

SCALE  
 1"=1'0"      CONTRACT NO  
 S095421-101

**API Basco**  
 Heat Transfer Technology

SPECIAL TYPE "500"  
 MODEL: 05-054, 2-PASS

SIZE	DWG NO	REV
B	1530-05-054-000	2