



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	1"	150# ANSI RFSO	TUBE SIDE INLET
D	1 1/2"	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: S095421-201
 BY: JM DATE: 03/17/2009
 CODES:
 ASME VIII, Div. 1 LATEST ADD., TEMA C

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

VESSEL WEIGHTS:
 DRY: 350 LBS.; FLOODED: 634 LBS.

INTERNAL VOLUME
 SHELL: 0.830 CU. FT.; TUBE: 1.75 CU. FT.

TAG NO. HXR-501
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FILE NAME
 V:\S&T2000\Class\1530\1530-05-066-000.dwg
 DRAWN 03/17/2009 BY: JM CHECK
 SCALE 1"=1'0" CONTRACT NO S095421-201

API Basco
 Heat Transfer Technology

SPECIAL TYPE "500"
 MODEL: 05-066, 2-PASS

SIZE DWG NO 1530-05-066-000 REV 2

Item	Qty	Description	Mat'l	Specification	Size	Dwg No	Part No
12	1	NAMEPLATE: BASCO (CODE)	STN. STL.				4072-01-0106-01
11	1	NITROGEN PURGE COVER ASSEMBLY: 1" W/ VALVE			A	2032-01-150-002	2032-01-150-002
10	2	NITROGEN PURGE COVER ASSEMBLY: 1 1/2" W/ GAUGE			A	2032-15-150-009	2032-15-150-009
9	1	NITROGEN PURGE COVER ASSEMBLY: 1 1/2" W/ VALVE & PLUG			A	2032-15-150-008	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 (REV.)	Blueguard 3300				4012-06-0199-01
4	1	GASKET (INLET/OUTLET)	Blueguard 3300				4013-06-0199-00
3	1	BONNET ASSEMBLY			B	2021-05-015-010	2021-05-015-010
2	1	BUNDLE ASSEMBLY			B	2006-05-066-002	2006-05-066-002
1	1	SHELL ASSEMBLY			B	2069-05-066-002	2069-05-066-002

No	Revision	By	Date
2	ADDED COMPONENT THICKNESS	TJC	6/11/09
1	REVISED PER CUSTOMERS MARK-UP	JM	4/27/2009