



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	RELEASED DRAWING	6/14/10	

	INLET	SUCTION	DISCHARGE
INCHES	INCHES	INCHES	INCHES
I.D.	2.00	3.00	4.00
O.D.	6.00	7.50	9.00
THICK	.71	.75	.94
# HOLES	4	8	8
HOLE DIA.	.75	.75	.75
B.C.	4.75	6.00	7.50

	INLET		SUCTION		DISCHARGE	
	MM	INCH	MM	INCH	MM	INCH
I.D.	50	2.38	80	3.15	100	3.94
O.D.	165	6.50	200	7.87	220	8.66
THICK	18	.71	20	.79	20	.79
# HOLES	4		8		8	
HOLE DIA.	18	.71	18	.71	18	.71
B.C.	125	4.92	160	6.30	180	7.08

- INSTALLATION GUIDELINE RECOMMENDATIONS:
- FOR LONG INLET LINES, USE 3" PIPE AND REDUCE AT EDUCTOR TO 2" (50mm).
 - ALLOW FOR STRAIGHT PIPE ON THE EDUCTOR DISCHARGE EQUAL TO 8-8 TIMES THE DISCHARGE PIPE DIAMETER.
 - ALL BENDS ON THE DISCHARGE SHALL BE 45 DEGREES OR SHALL HAVE A RADIUS OF 2 1/2 OR LARGER TIMES DIAMETER OF PIPE.
 - EDUCTORS ARE SUPPLIED TO FIT THE REQUIREMENTS OF EACH APPLICATION.
 - CUSTOMER SHOULD ADVISE INSTALLATION PIPING DIAGRAM TO VM TO REVIEW PIPE FRICTION LOSSES TO AVOID EXCESSIVE FRICTION LOSSES WHICH COULD IMPAIR PROPER EDUCTOR OPERATION.

- NOTES:
- BREAK ALL SHARP EDGES .005 CHAMFER
 - ALL INTERNAL SURFACES TO BE SMOOTH AND FREE OF BURRS OR STEPS.
 - .XX C DIMENSIONS INDICATE EITHER CAST OR OTHER WITH .06 TOLERANCE
 - EDUCTORS MUST NOT SUPPORT PIPING.
 - INSTALL USING ALL MOUNTING LUGS.



PART NO.	CAST PART NO.	CASTING MARK	DESCRIPTION	MOROCCAN NAVAL FRIGATES PN 6123MA008	STANDARD COMMERCIAL
1568-4			EDUCTOR ASSEMBLY		
1568-4B	802-11X	1568-4	BODY	C927/922 LEADED TOM BRONZE	C836 BRONZE
1568-4D	1568-4	1568-4	22 1/2" L DIFFUSER	C927/922 LEADED TOM BRONZE	C836 BRONZE
1568-4N			NOZZLE	316 STAINLESS STEEL	MONEL

UNLESS OTHERWISE SPECIFIED

- REMOVE ALL BURRS, BREAK ALL OUTSIDE CORNERS EDGES .005 TO .010 X 45 DEG. CHAMFER
- STANDARD TOLERANCE .XX = ± .01 .X = ± .06 .XXX = ± .005 .XXXX = ± .0005 FRACTIONS = ± .01 CONCENTRICITY = ± .005 ANGULAR = ± .5 DEG

MATERIAL:

BRONZE

TITLE:		VITAMOTIVATOR INC.	
1568-4 EDUCTOR ASSY & BOM		TEANECK, N.J.	
CAD ID: 15684 3LX1021 61010	DO NOT SCALE DRAWING		
DRWN BY JDP	DATE 6/10/10	PART NO. 15684 1021	
APPD BY	DATE	DRAWING NO. [-15684-1021]	REV A
SCALE 1/2	SHEET 1 OF 3		

BY #20 BENTON ARKANSAS