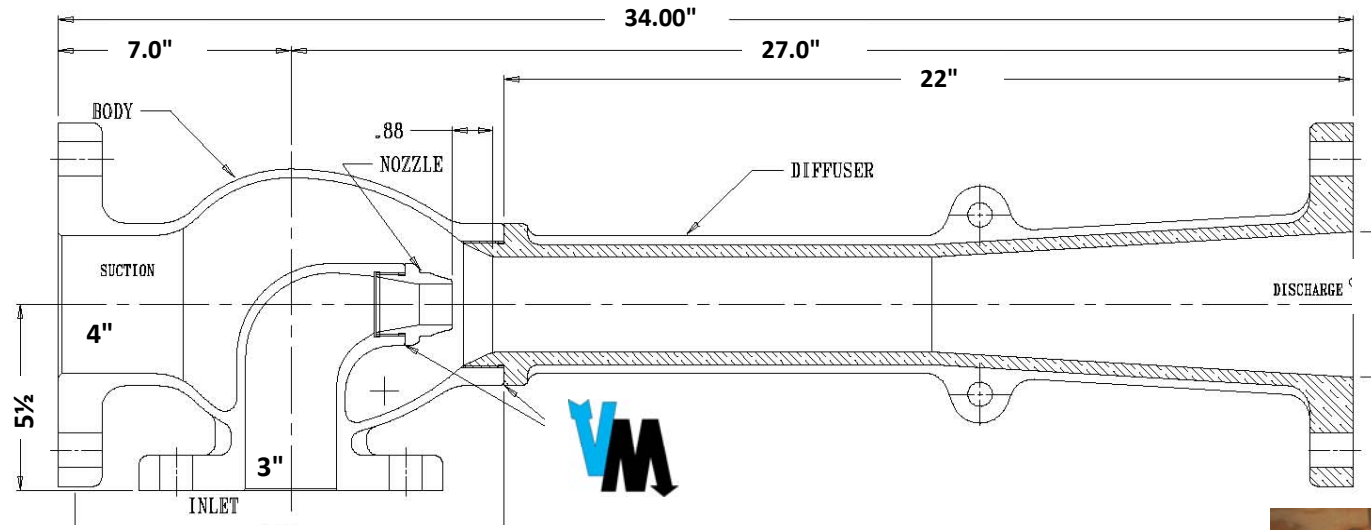
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A & B	RELEASED DRAWING	4/13/09	



FLANGE DATA: 150 lb ANSI B16.24

	Inlet	Suction	Discharge
I.D.	3"	4"	4"
O.D.	7½"	9"	9"
# Holes	4	8	8
Hole Ø	¾"	¾"	¾"
B.C	6"	7½"	7½"

1. Eductor supplied to meet customer application requirements.
2. Recommend 8 to 10 x disch. Dia. of straight discharge pipe after discharge flange.
3. For long inlet lines, use 100mm and reduce at inlet to 80mm.
4. Suction Lift and Discharge head including friction shall not exceed data supplied at time of order. VM is not responsible for changes in operating or installation parameters after orders are placed. Customer to advise all piping & friction conditions to insure proper eductor sizing and supply.
5. All bends on discharge shall be 45º, or shall have a radius or 2½ to 3 times the diameter of the pipe.
6. VM recommends straight pipe on Eductor suction connection minimum of 6 x suction pipe size.
7. Eductors are customized and supplied to meet the requirements of each application.
8. Eductor final dimensions are confirmed and advised prior to shipment of 1st ship
9. Installation and operation to be i.a.w. VM Eductor installation and operation guidelines.
10. Eductor operation is completely dependent on the piping condition into which it is installed. Actual piping shall not vary from design without notice to VM.
11. Mounting lugs are cast in each part and must be used in installation to support the eductor. Eductor is not designed for pipe loads.
12. VM recommends on board spare nozzle and gaskets.

Bill of Materials	Part No.	Casting Mark	Description
	1542-4LX		Eductor assembly
	1542-4LXB	Body	Bronze ASTM B62
	1542-4LX	Diffuser	Bronze ASTM B62
	1542-4LXN	Nozzle	Monel

Specifications:

Suction Capacity	Up to 250 GPM
Inlet Pressure	Up to 184 PSI
Inlet Quantity	Up to 620 GPM
Suction Lift	Up to -23 Feet
Discharge Head	Up to 300 Feet

UNLESS OTHERWISE SPECIFIED
1. REMOVE ALL BURRS, BREAK ALL OUTSIDE CORNERS EDGES .005 TO .010 X 45 DEG. CHAMFER
2. STANDARD TOLERANCE .XX = ± .01 .XX C = ± .06 .XXX = + .005 .XXXX = ± .0005 FRACTIONS= ± .01 CONCENTRICITY= ± .005 ANGULAR= ± .5 DEG

MATERIAL: SHOWN IN BOM

VM # 1542-4"LX
EDUCTOR

DRWN BY JDP	DATE 9/9/08	
CHKD BY	DATE	
APPD BY	DATE	
SCALE HALF	SHEET 1 OF 4	

VITAMOTIVATOR INC.
TEANECK, N.J.
DO NOT SCALE DRAWING
PART NO.
DRAWING NO _ _ REV B