

# VITAFLOW 1802-4" LX EDUCTOR

## Materials of Construction:

<u>Body &amp; Diffuser:</u>	Bronze ASTM B62
<u>Nozzle:</u>	Monel
<u>Fasteners:</u>	316 Stainless Steel
<u>Gaskets:</u>	Neoprene

## Connections:

- All Flanges 150 lb. ANSI B16.24 Flat Face

## General Specifications:

- Suction Capacity Up to 550 GPM
- Inlet Pressure 100 – 175 PSI
- Inlet Quantity Up to 700 GPM
- Suction Lift Up to -20 Feet
- Discharge Head Up To 100 Feet

## Dimensions

Inlet	2½"
Suction	4"
Discharge	4"
"A"	33"
"B"	5"
"C"	28"
"D"	5.5"
WEIGHT	120 LBS

## Flange Data: ANSI B16.24 Flat Face

	<u>Inlet</u>	<u>Suction</u>	<u>Discharge</u>
<u>O.D.</u>	7"	9"	9"
<u>I.D.</u>	2½"	4"	4"
<u># Holes</u>	4	8	8
<u>Hole Ø</u>	¾"	¾"	¾"
<u>B.C.</u>	5½"	7½"	7½"

1. Permanently installed ejectors are used to strip ballast, bilge cargo or other spaces that regularly have to be pumped out.
2. The VF 1802 series are high suction jet pumps with renewable nozzles.
3. Applications include stripping and gas freeing cargo tanks, Bilges, Spud cans, main & secondary drainage, pumping cement & drilling mud.

## Notes:

- a) For long inlet lines, use (4") and reduce at eductor to (2½")
- b) Allow 8-10 times the discharge diameter of straight pipe on discharge.
- c) Allow for length of straight pipe on suction of the eductor 6x dia. Min.
- d) All bends on Discharge shall be 45° or
- e) shall have a radius of 2½ to 3 times diameter of pipe.
- f) Eductor supplied to fit the requirements of each application.
- g) Customer to follow VM Installation guidelines and instructions.
- h) Customer must advise all pipe and friction impacts on eductor.
- i) FINAL AS-BUILT Dimensions to be advised after manufacture.

