

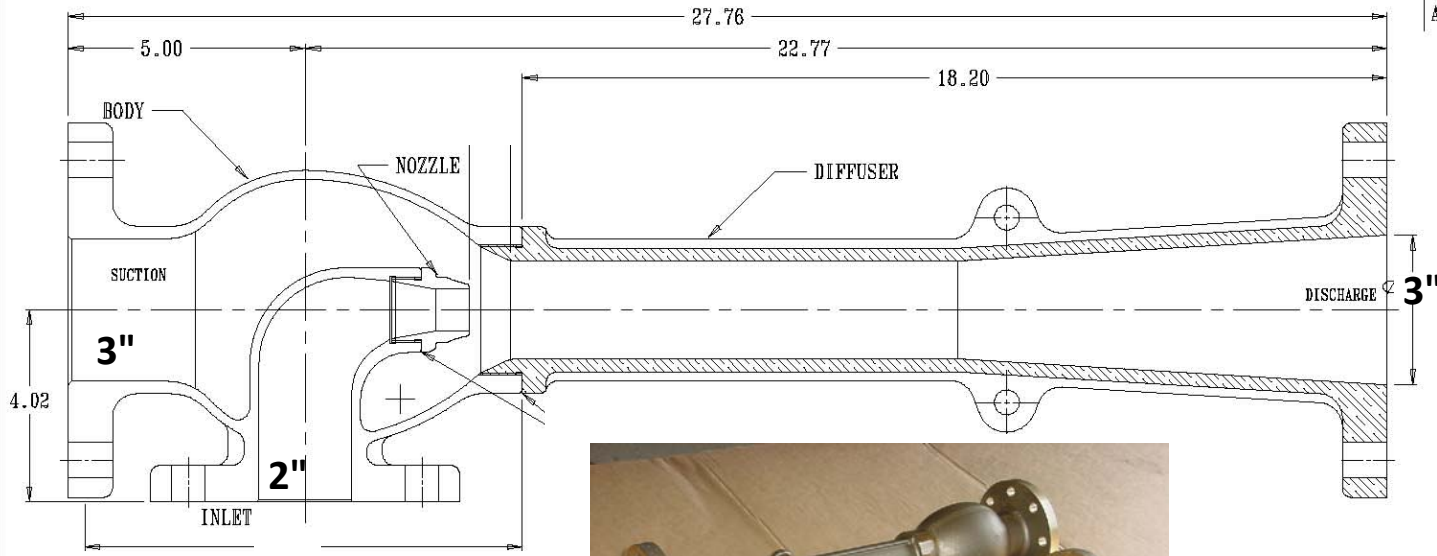
# VITAFLOW

# VF # 1542-3"LX EDUCTOR

## 2" x 3" x 3"

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

# VITAFLOW



**Materials**  
**Body & Diffuser** Bronze ASTM B62  
**Nozzle** Monel  
**Flanges:** 150 LB ANSI or DIN PN-10  
**Flanges:** Or JIS 10K-16K

**Location:** WING TANK STRIPPING EDUCTOR  
**Service:** MAIN BILGE BACKUP EDUCTOR  
**Shipyard:**  
**Project:**  
**AGENT:**  
**Flow Curve #** 1030-15423TEST100 9/29/09

**General Data**  
**Suction Capacity** Up to 206 GPM  
**Suction Lift** Up to -23 Feet  
**Discharge Head** Up to 98 Feet  
**TOTAL HEAD** Up to 121 Feet  
**Inlet Pressure** UP TO 210 PSI  
**Inlet Quantity** UP TO 275 GPM

DIMENSIONS		Flanges	Inlet	Suction	Discharge
<b>Inlet</b>	2"	<b>ID</b>	2"	3"	3"
<b>Suction</b>	3"	<b>OD</b>	6"	7½"	7½"
<b>Discharge</b>	3"	<b># Holes</b>	4	4	4
<b>"A"</b>	27.76"	<b>Hole Ø</b>	¾"	¾"	¾"
<b>"B"</b>	22.76"	<b>B.C.</b>	4¾"	6"	6"
<b>"C"</b>	5"	<b>Thick</b>	¾"	¾"	¾"
<b>"D"</b>	4.02"				

- Notes:**
1. Hydro Tested to 200 PSI / Service: Stripping Ejector – Bilge or Ballast
  2. For long inlet lines, use 3" and reduce at ejector to 2"
  3. Allow for straight pipe on the eductor discharge equal to 6 – 8 times the discharge pipe diameters. Discharge pipe size requirement to be sized to fit application.
  4. All bends on discharge shall be 45° or shall have a radius of 2½ to 3 times diameter of pipe. Allow for length of straight pipe on the suction end of the eductor.
  5. Eductor supplied to fit requirements of application. VF should be advised of all service conditions. Customer should follow VF installation and maintenance instructions. Final Eductor dimensions to be confirmed at time that order is placed.
  6. Customer is responsible for calculations of friction and all losses in all pipe lines and components and providing data to VF.

VITAFLOW, LLC, 576 N. Birdneck Rd, Unit 142, Virginia Beach, VA 23451, Michael Hume, COO, Ph: 904/316-5774, mhume@vitaflow.com

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