



**MACH POWERPOINT PUMPS INDIA PVT. LTD.**

**21A, Canning Street, Ground Floor, Kolkata – 700001, (W.B) India**

**Ph.: (033) 22308125, 2628392, Mob: 8877990087**

**Fax: (033) 2230 – 8125, E- mail: [powerpointpumps@yahoo.co.in](mailto:powerpointpumps@yahoo.co.in)**

**Website: [www.Industrialpumpsindia.com](http://www.Industrialpumpsindia.com)**

**AIR  
OPERATED  
DOUBLE  
DIAPHRAGM  
PUMPS**



**Available in**  
Investment Cast CF8M (SS-316)  
Aluminum  
Polypropylene (PP)  
Polyvinylidene Fluoride (PVDF)

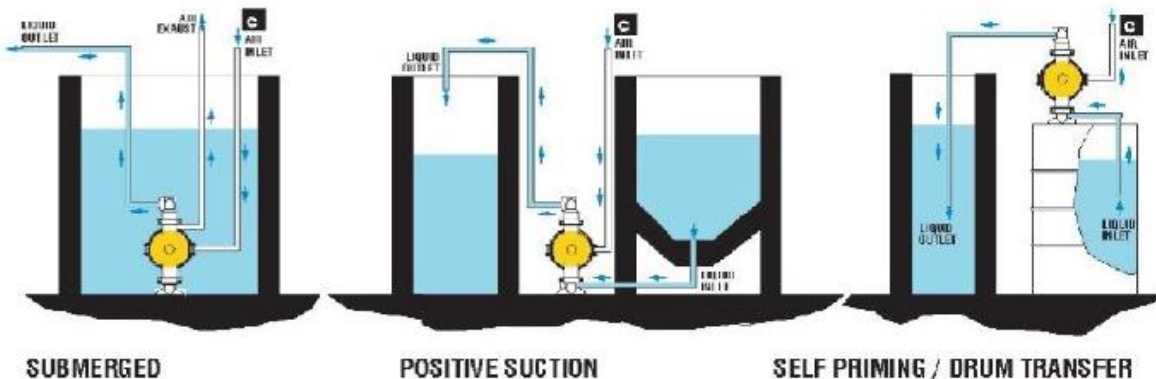
## Features :

1. No electrical motor required - non sparking.
2. No mechanical seal or gland packing.
3. The pumps can run dry indefinitely without damage.
4. Safe for use in hazardous/explosive environments.
5. Variable flow at different air pressure
6. Self-priming from a dry start.
7. Pressure up to 100 PSI (7 bar).
8. Gentle non-shearing action.
9. Quick assembly and disassembly.
10. Can lift any thing from powder to viscous materials.
11. Can be supplied on trolley for Mobile Operation.

## Application :

- ❖ Solvents
- ❖ Acids
- ❖ Caustics
- ❖ High Viscous Liquids
- ❖ Abrasive Media
- ❖ Hazardous & Flammable Liquids

## Installation Versatility



### AODD-150



Max Flow Rate : 40Lpm  
Port Size : Inlet : 12.70mm (½" BSP)  
Discharge : 12.70mm (½" BSP)  
Air Inlet : 6.85mm (¼" BSP)  
Air Exhaust : 12.70mm (½" BSP)  
Suction Lift : Dry : 1.45m (4.75')  
Wet : 2.83m (9.28')  
Teflon : Dry : 0.50m (1.64')  
Wet : 0.90m (2.95')  
Max Particle Size (Dia) : 2mm (0.078")

❖ Best suitable for Barrel loading-unloading.

### AODD-300

Max Flow Rate : 135Lpm  
Port Size : Inlet : 25.40mm (1" BSP)  
Discharge : 25.40mm (1" BSP)  
Air Inlet : 9.53mm (3/8" BSP)  
Air Exhaust : 12.70mm (½" BSP)  
Suction Lift : Dry : 3.05m (10')  
Wet : 4.89m (16')  
Teflon : Dry : 2.14m (7')  
Wet : 3.98m (13')  
Max Particle Size (Dia) : 3.17mm (0.125")



### AODD-400



Max Flow Rate : 270Lpm  
Port Size : Inlet : 38.10mm (1½" BSP)  
Discharge : 38.10mm (1½" BSP)  
Air Inlet : 9.64mm (3/8" BSP)  
Air Exhaust : 12.70mm (½" BSP)  
Suction Lift : Dry : 4.57m (15')  
Wet : 7.62m (25')  
Teflon : Dry : 3.05m (10')  
Wet : 6.09m (20')  
Max Particle Size (Dia) : 4.76mm (0.188")

❖ Best suitable for Filter Press & Transfer.

### AODD-500

Max Flow Rate : 586Lpm  
Port Size : Inlet : 50.80mm (2" BSP)  
Discharge : 50.80mm (2" BSP)  
Air Inlet : 12.70mm (½" BSP)  
Air Exhaust : 19.05mm (¾" BSP)  
Suction Lift : Dry : 4.57m (15')  
Wet : 7.60m (25')  
Teflon : Dry : 3.05m (10')  
Wet : 6.09m (20')  
Max Particle Size (Dia) : 6.35mm (0.250")





## PUMP PARTS



**PTFE BALL**



**PTFE GASKET**



**'O' RING**



**AIR VALVE ASSEMBLY SET**



**PTFE & RUBBER DIAPHRAGM**

**Address :-** 21/A Canning Street, Ground Floor, Kolkata - 700001,  
West Bengal, India

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**Phone No :-** (033) 2230 8125

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**Phone No :-** (033) 2262 8392

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**Mobile No :-** +91 88779 90087

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**WhatsApp No :-** +91 88779 90087

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**Email ID. :-** [powerpointpumps@yahoo.co.in](mailto:powerpointpumps@yahoo.co.in)

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**Website :-** [www.industrialpumpsindia.com/](http://www.industrialpumpsindia.com/)