



# YAMADA air-operated double diaphragm pump



## Features:

### General

Transferring of lubricants, fuel, cutting oil and EDM fluid.

### Chemical

Transferring of chemicals, emulsion, latex and detergents.

### Petroleum

Transferring of crude oil, naphtha and solvents.

### Marine

Pumping fuel, lubricants, evacuation of sludge and waste oil.

### Automotive

Transferring of waste oil, radiator fluid and brake fluid.

### Electronic

Transferring of chemical and solvents.

### Semi-Conductor

Transferring DI water, EL grade chemical and wastes.

### Printing

Transferring of printing inks and solvents.

### Paint

Transferring of paints, solvents.

### Ceramic

Transferring of ceramic slips and glazes.

### Rubber

Transferring of latex.

### Pharmaceutical

Transferring of toiletries and cosmetics.

### Mining

Pumping wastewater and cements grout.

### Pulp and Paper

Pumping wastewater.

### Textile and Furniture

Transferring glue, adhesives and paints.

### Glass

Pumping grinding fluid and cutting water.

## Features:

Capacity : upto 800 lpm

Pressure : upto 7 bar

## Materials of construction:

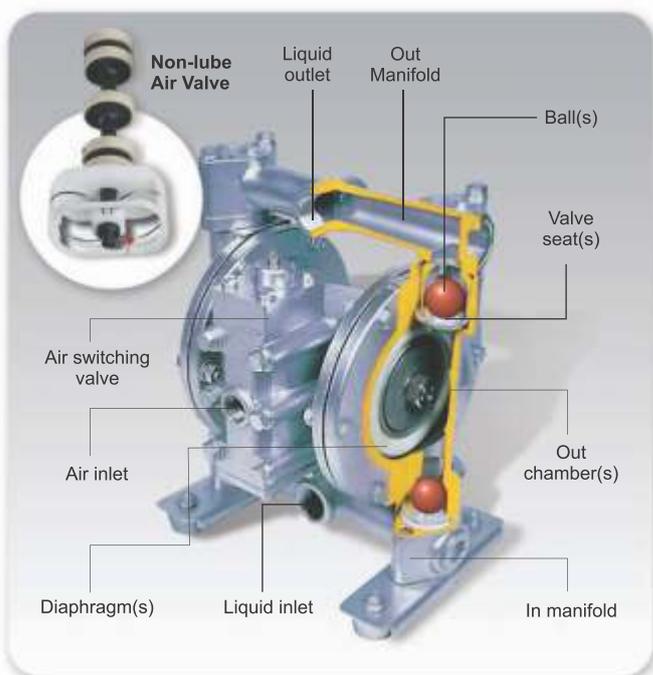
Polypropylene (PPG), Kyanar (PVDF), Aluminium (ADC-12 /AC2A-F), Stainless steel (SCS14/ SUS316), Cast iron (FC), PTFE.

## Diaphragm materials:

Nitrile (NBR), Neoprene (CR), Nordel (EPDM), Viton (FPM), Hytrel (TYPEE), Santoprene (TPO), PTFE.

## Typical characteristics:

- Extended performance diaphragm
- Versatile material handling ability
- Minimum maintenance, excellent wear resistance
- Dry start self priming
- Flow control simple and safe
- High lift, distance transfer premissible
- Air drive intrinsically safe



## Advantages

### Handles a wide variety of fluids with solids content

Handling a wide range of viscosities both corrosive liquids and abrasive, these pumps are some of the most versatile pumps in the world. Since there are no close-fitting or rotating parts, liquid with light solids content can be pumped with large particles sizes.

### Self priming

Check valves are located close to the fluid chambers assuring positive self-priming from a dry start.

### Ability to run dry without damage

No close fitting or sliding parts at risk—the pump can run dry indefinitely without damage.

### Explosion proof

Air-operated diaphragm pumps require no electrical source. Due to the fact they operated on compressed air, they are intrinsically safe.

### Pumping efficiency remains constant

There are no rotors, gears, vanes, or piston which can wear over the time and lead to gradual decline in performance.

### Variable flow rate and discharge pressure

Pump will run any where within its operating range by adjusting air inlet or liquid discharge pressure settings.

### No mechanical seals, couplings, or motors

No shaft seals or packing glands which can leak or must be maintained.

### Portable

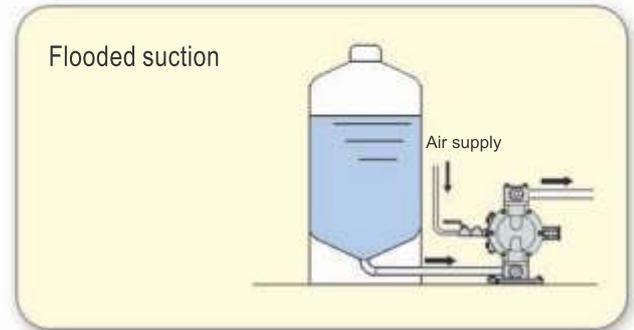
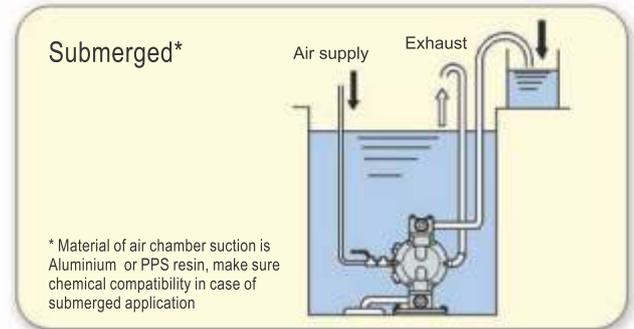
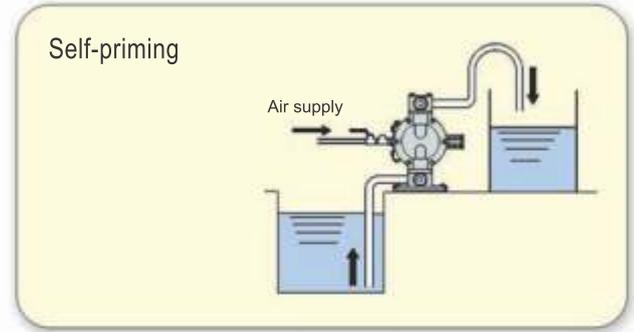
Given the nature of diaphragm pumps, it is nice having the ability to hook up the air to the pump wherever needed allowing for pumping anywhere.

### Non-lube air valve

The patented air valve on all Yamada NDP-series pumps never needs lubrication. Plus it is easily replaced without disassembling the pump (Patent # 5,002,468).

### Non-stalling air valve

Patented design (Patent # 5,002,469) eliminates stalling. Special non-centering, spring loaded shifters ensure consistent, positive switching every stroke.



### A.T.E. advantages

A.T.E.'s Flow Technology division, with its India-wide network of regional sales and service offices, is always close to its customers and provides them prompt pre and post sales services. Our qualified and trained sales and service teams support our customers on product recommendation, application engineering, design layouts as well as installation.

**Yamada**



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