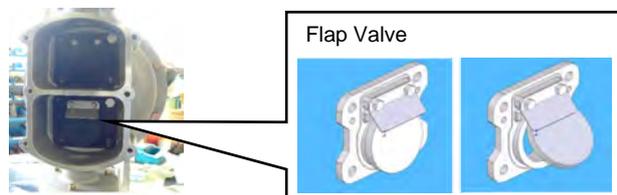


# Specialty Pumps

## Flap Valve Diaphragm Pump NDP-50FAN

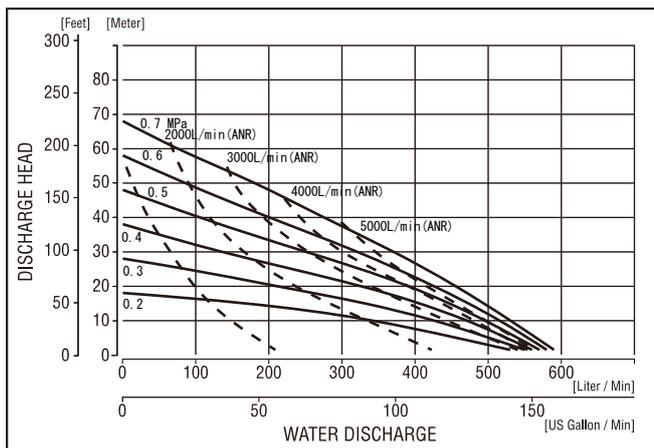
The Flap Valve Diaphragm Pump NDP-50FAN is designed to pump fluids containing solids up to 30mm in diameter.



### Example Applications

- ✓ Muddy water containing soil and sand.
- ✓ Solid food waste.

### Performance Curve



## F-Series High Purity Pumps

Clean Room Manufactured  
1/4 inch to 1 inch Port Size

Extensively field proven, Yamada F-Series clean room manufactured pumps are specifically designed for the safe and efficient transfer of ultra high-purity process chemistries. They provide maximum corrosion resistance, ultra high-purity levels and low particle generation.

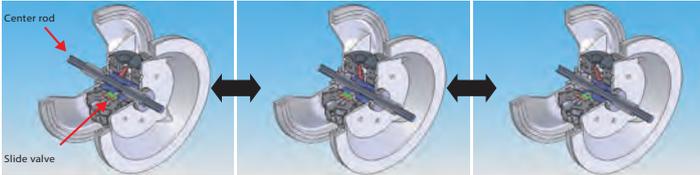
Pumps includes 100% machined virgin PTFE diaphragms, liquid chambers and manifolds.



✓ For additional information, please request the High Purity Pumps catalog or visit [www.yamadacorp.co.jp/global](http://www.yamadacorp.co.jp/global)

## H-Series (Mechanical Switching Type)

Mechanical Switch Pump is designed for use in process type applications, including filter press, high pressure, extended deadheading, long runs of discharge pipe, and where air consumption is critical.



Mechanically-actuated air motor based on the diaphragm movement.

### Features

- ✓ Stable stroke even at a very low speed operation!!
- ✓ The highest discharge pressure ever (maximum 0.85MPa)!!
- ✓ Expansion of operating pressure range
- ✓ Energy saving due to the reduced loss of the drive air!!

### Available sizes

40, 50 and 80

### Available materials

Casing: Aluminum, Stainless Steel, Cast Iron, and PPG  
Diaphragms: CR, NBR, EPDM, FKM, PTFE, TPEE, and TPO



## E-Series (Electric-Switching Type)

Electric-Switching pumps are built-in high-frequency transmission proximity sensor in the pump.

### Available sizes

20, 25, 40, 50, and 80

### Available materials

Casing: Aluminum, Stainless Steel, Cast Iron\* and PPG  
\*Cast iron is available only for 40, 50, and 80.  
Diaphragms: CR, NBR, EPDM, FKM, PTFE, TPEE, and TPO

### Remarks

- ✓ This series is NOT explosion-proof.
- ✓ A solenoid valve and PLC, which are required to operate the pump, can be supplied as an option.



A proximity sensor is installed in the pump, and the pump operation is controlled by a solenoid valve.

