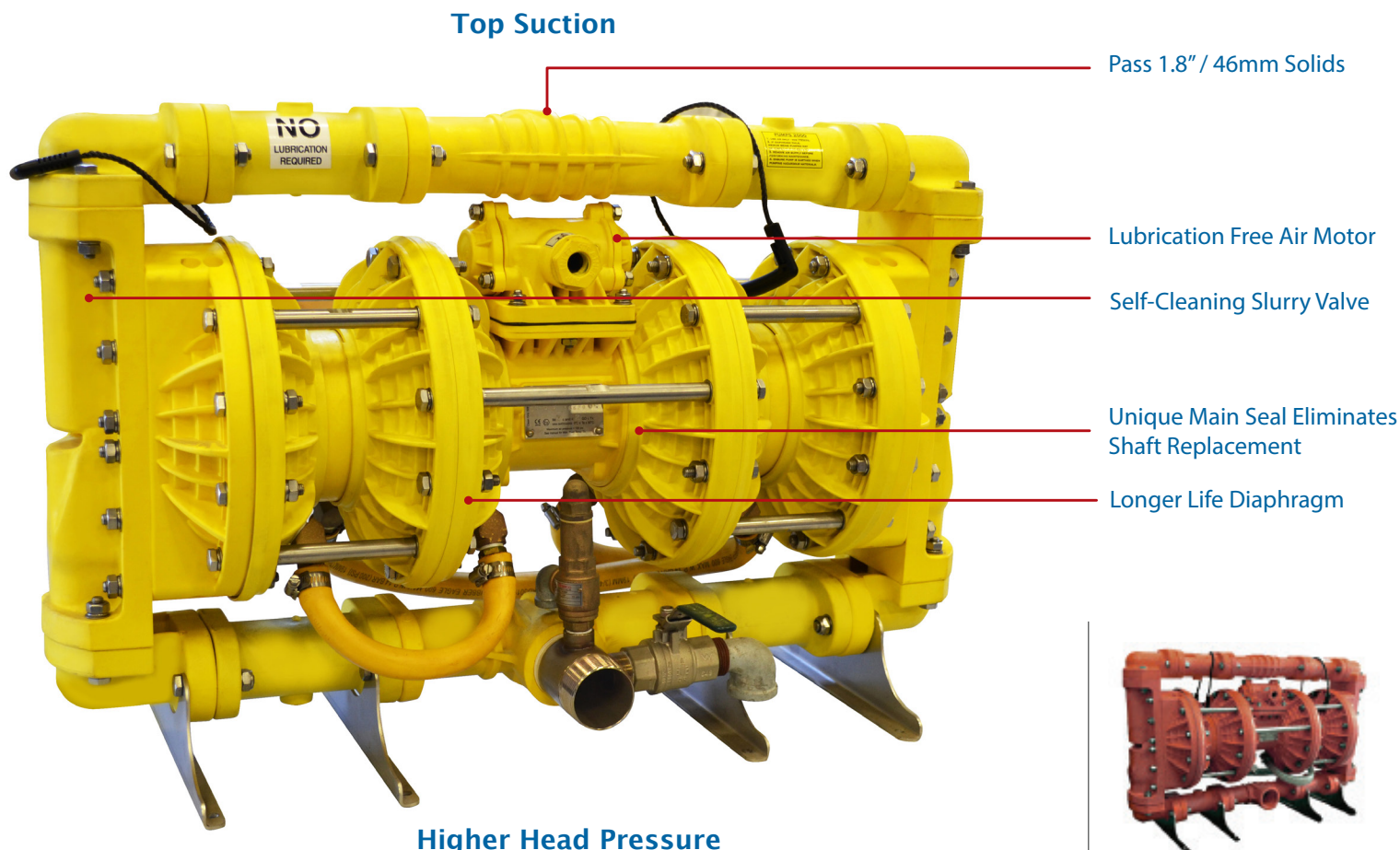


# DOUBLE STAGE SERIES Pneumatic Diaphragm Pump

DS50SY - 2" / 50mm Double Stage Slurry Valve



**Yellow Series**  
General Purpose  
Nylon Body- Hytrel Elastomers  
ATEX M2 Rating



**Red Series - DS50SR**  
FRAS (Fire Retardant  
Antistatic) Nylon Body-  
Hytrel Elastomers- For  
Explosive Environment-  
ATEX M1 Rating

*Other materials are available to suit your specific application*

## Features

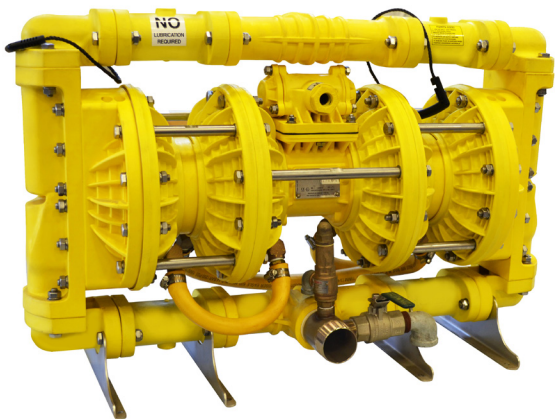
- > Patented design components
- > Simple design with fewer wear parts
- > Large particle handling
- > Low air consumption
- > Lightweight
- > Rugged & impact resistant
- > Lubrication free
- > No end of life – can always be repaired
- > ATEX M1 and M2 certified
- > Low noise levels

## Benefits

- > Increased productivity
- > Reduced costs – pays for itself
- > Increased reliability & longer life
- > Less downtime & maintenance
- > Easier to diagnose & repair
- > Save on energy costs –  
more air available for other equipment
- > Fewer injuries
- > No pollutants (oil free)
- > Safe for hazardous environments

# Pumps 2000" Double Stage Pneumatic Diaphragm Pump

## DS50SY - 2" / 50mm Slurry Valve

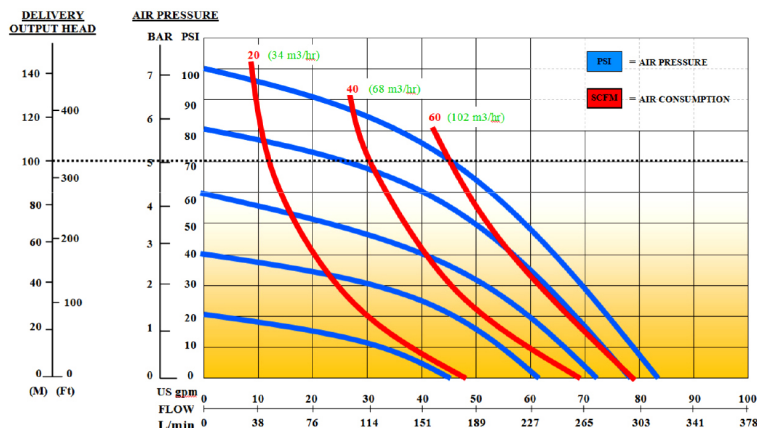


### Slurry Valve

"Pumps 2000" pneumatic diaphragm pumps are specifically designed for harsh mining duties to outperform and outlast the competition due to a number of patented design features. The light weight feature provides ease of mobility and reduces the risk of injury. Low air consumption and long lasting lubrication free parts means low cost running and reduced maintenance.

***Suitable for pumping applications in all industries.***

## Performance Curve



**AIR PRESSURE:** Tested at 100 psi / 690 kPa  
(not to exceed 125 psi / 861 kPa)

**FLOW RATE:** 0 - 80 gpm / 300 Lpm

**FLUID CONNECTION:** 2" / 50mm (Internal Thread)

**AIR INLET PORT:** 1/2" / 15mm (Internal Thread)

**EXHAUST PORT:** 3/4" / 19mm (Internal Thread)

**DELIVERY PRESSURE:** Tested to 87 psi / 600 kPa

**SUCTION LIFT:** Tested to 24' / 7m dry and 30.5' / 9m wet

**SOLIDS HANDLING:** 1.8" / 46mm

**PUMP WEIGHT:** Yellow Series – 101 lbs / 45.8kg  
Red (FRAS) Series – 1118 lbs / 53.5kg

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