



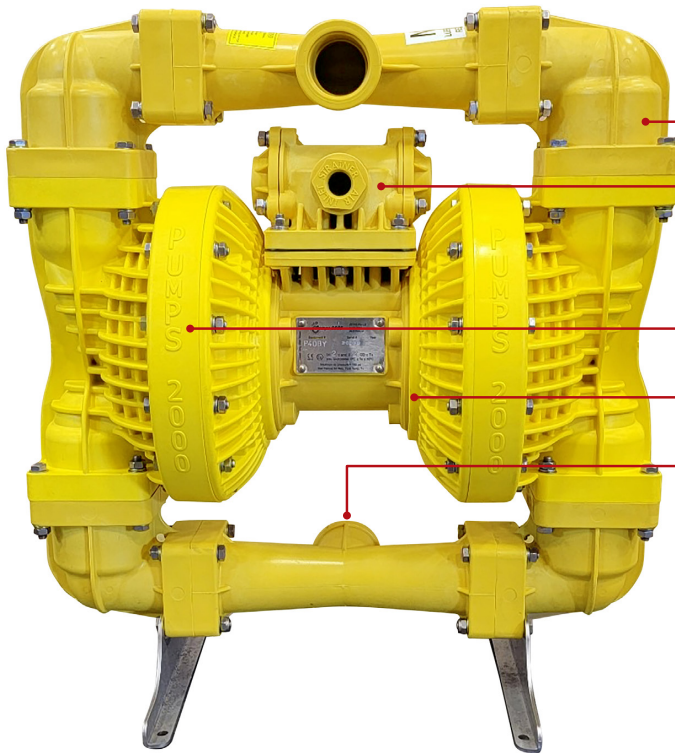
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TRIDENT AUSTRALIA
FLUID SYSTEMS & COMPONENTS



Pneumatic Diaphragm Pump

P40BY-1.5" / 40mm Ball Valve



Self-Cleaning Ball Valve

Lubrication Free
Air Motor

Longer Life Diaphragm

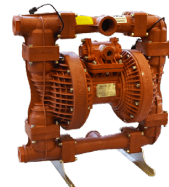
Unique Main Seal Eliminates
Shaft Replacement

Pass .55" / 14mm Solids



Optional Side Port

Yellow Series
General Purpose
Nylon Body – Hytrel Elastomers
ATEX M2 Rating



Red Series - P40BR
FRAS (Fire Retardant
Antistatic) Nylon Body-
Hytrel Elastomers- For
Explosive Environment-
ATEX M1 Rating



Blue Series - P40BB
Polypropylene Body-
Santoprene Elastomers-
For Acids, Caustics,
Chemicals- ATEX M2 Rating



Ebony Series - P40BE
Noryl Body- Corrosive
Resistant Internals-
For Acids And Other
Hazardous Liquids,
ATEX M2 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

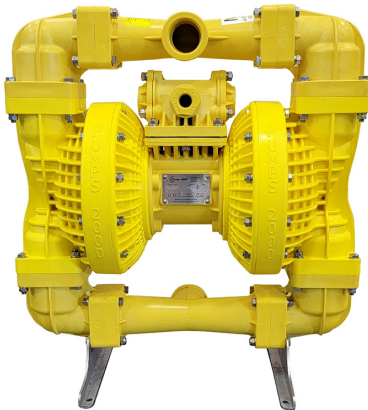


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Pumps 2000 Pneumatic Diaphragm Pump

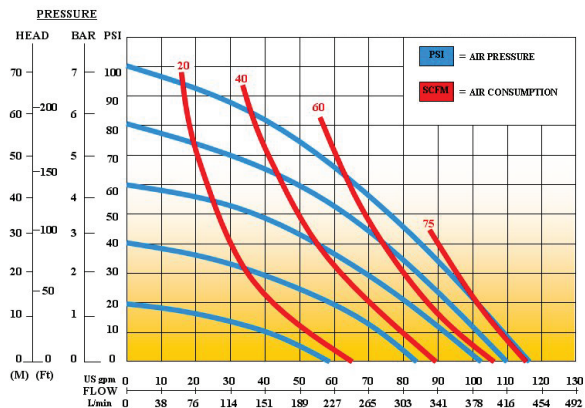
P40BY -1.5" / 40mm Ball Valve



Ball Valve

"Pumps 2000" pneumatic diaphragm pumps were 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. **Ideally suited 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: 0-117 gpm / 443 Lpm

FLUID CONNECTION: 1 1/2" / 40mm (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 19' / 6m dry and 31' / 9m wet

SOLIDS HANDLING: .55" / 14mm

PUMP WEIGHT: Yellow Series – 43 lbs / 19.5kg
Red (FRAS) Series – 50 lbs / 22.7kg
Blue Series – 36 lbs / 16.3kg
Ebony Series - 41 lbs / 18.6kg

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