

Self-Cleaning Ball Valve

Lubrication Free  
Air Motor

Longer Life Diaphragm

Unique Main Seal Eliminates  
Shaft Replacement

Pass .55" / 14mm Solids



**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

**Yellow Series**  
General Purpose  
Nylon Body – Hytrel Elastomers  
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

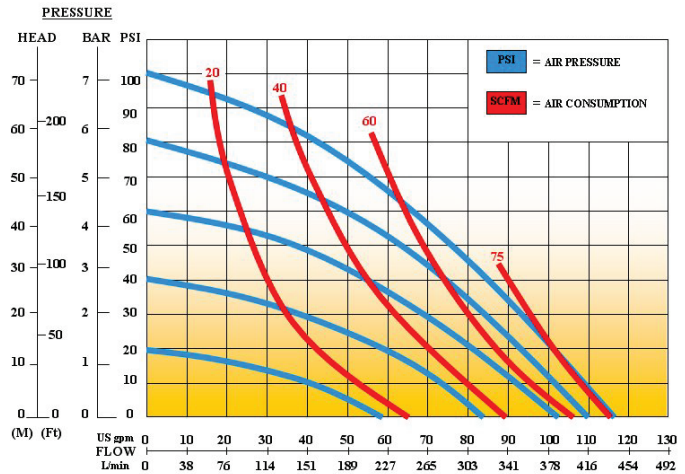
## P40BY -1.5" / 40mm Ball Valve



### 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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