

# BigBoy®

## Large Water Tank & Reservoir Diaphragm Valve



### APPLICATION

- Pump fed large reservoirs - it allows for a single level or variable minimum and maximum levels within a reservoir/tank.
- Mains/Gravity fed large storage tanks and/or reservoirs - it allows for a single level or variable minimum and maximum water levels within a reservoir/tank.
- Rainwater Harvesting - as a backup water supply control valve, providing a backup supply of water in the event of demand exceeding rainfall.

### HOW IT WORKS

The BigBoy® will be closed when both weights are submerged (maximum water level). The valve will remain closed until the bottom weight is exposed (minimum water level). The valve will then open and remain open until the maximum level is reached.

### FEATURES & BENEFITS

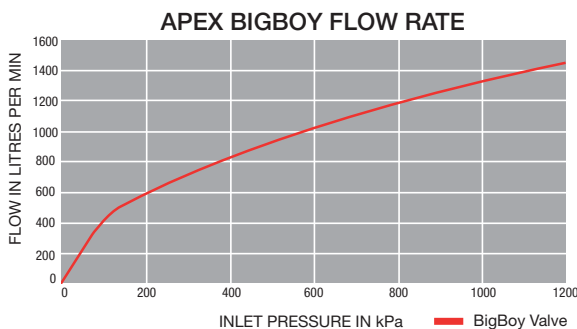
- Enormous flow rate up to 1500 L/min (330 gal/min)
- Soft closing - no water hammer
- Adjustable water levels saves electricity & increases pump life
- Full on, full off - diaphragm activated
- No float switches - no power required (pump requires pressure or flow switch)
- Long tail removes need for tank fittings on thin walled tanks
- Fully serviceable
- Can be used as a top up rainwater harvesting valve
- Patented self-cleaning mechanism minimizes blockages

### SPECIFICATIONS

**Working Pressure:** 15 kPa - 1200 kPa (2 - 175 psi)

**Flow Rate:** 1500 L/min (330 gal/min) @ 1200 kPa (175 psi)

**Temperature Range:** 1°C - 60°C (34°F - 140°F)



**GRAPH CONVERSIONS**  
 1kPa = 0.145psi = 0.01 bar    1 L/min = 0.22 Imperial gpm

### AVAILABLE SIZES

- 32mm (1 ¼")
- 40mm (1 ½")
- 50mm (2")

### SPARES & ACCESSORIES

- Service Kit (contains diaphragm and jet centre)

### PATENTS

- New Zealand Pat. No. NZ611126B, NZ535912B and NZ328862B
- Australian Pat. No. AU2013226638B2, AU2005220285B2 and AU736446B2
- South African Pat. No. ZA9808777B
- U.S. Pat. No. US9605764 (named BigAL in North America)

