



**NEW**

**APEX VALVES**

**BigBoy**

DIAPHRAGM RESERVOIR VALVE  
COMBINED SINGLE & DUAL LEVEL

Quality Endorsed Company  
ISO 9001  
Licence 4381

#### APPLICATION:

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

#### FEATURES AND BENEFITS:

- Extremely high volume water inlet control device
- Variable adjustment between minimum and maximum water levels- Saves electricity by reducing pump run time and at same time increases pump life
- Can be adjusted for use as a top up Rain Harvesting valve (by locating both weights close together)
- Long tail for installation into thin wall tanks
- Diaphragm activated- Full Flow Valve
- Patented self cleaning mechanism to minimise blockages

#### SPECIFICATIONS:

**Code:** BB32, BB40 and BB50

**Pressure range:** 15kPa – 1200 kPa (2PSI – 175PSI)

**Sizes:** 32, 40 and 50 mm Long Tail (1 1/4", 1 1/2" and 2")

#### Flow Rates:

Very high flow rates- Refer graph opposite

**Temperature range:** 1° - 60°C

#### STANDARDS:

- **Patents :** App#: 598546

**WaterMark**  
AS 1910  
Lic 20368  
SAI Global

**ENORMOUS FLOW!**

Diaphragm activated full flow operation

32mm, 40mm & 50mm available

Longtail no need for tank fittings

Adjustable water levels save electricity & pump life

1200L/min @ 800kPa

Highest flow rate of ANY reservoir valve available

**Pump**

Pumped Supply

Visible Overflow Discharge

Maximum Level

Minimum Level

Outlet

The maximum level is set by adjusting the top weight at cleat.  
The minimum water level is set by adjusting the length of cord between the two weights.  
This results in fewer pump cycles, a reduction in electricity costs and helps prolong the life of the pump

**Mains - Gravity**

Rainwater Inlet

Visible Overflow Discharge

Overflow

Mains Water Supply Inlet

Keep a 300mm head on the pump outlet at all times

Outlet supplying pressure pump

BigBoy keeps tank topped up between these levels (100mm)

**Flow Graph:**

Y-axis: FLOW IN LITRES PER MIN (0 to 1600)  
X-axis: INLET PRESSURE IN kPa (0 to 1200)

The graph shows a red curve representing the flow rate of the BigBoy Valve. The flow rate increases significantly with inlet pressure, starting from approximately 200 L/min at 100 kPa and reaching over 1400 L/min at 1200 kPa.

BigBoy Valve