

NEW

APEX VALVES

Quality System
Quality Endorsed Company
ISO 9001
Licence 4886

BigBoy

DIAPHRAGM RESERVOIR VALVE
COMBINED SINGLE & DUAL LEVEL

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
- Soft closing action - eliminates water hammer
- 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 :** NZ PAT 598546, NZ PAT 328862, NZ PAT No. 535912
AUS PAT 736446, RSA PAT 98/87777, AUS CLASS 11, No. 1025211

WaterMark
AS 1910
Lic 20368
SAI Global

ENORMOUS FLOW!

Diaphragm activated full flow operation

32mm, 40mm & 50mm available

Adjustable water levels save electricity & pump life

1481L/min @ 1200kPa

Highest flow rate of ANY reservoir valve available

Longtail no need for tank fittings

Pump

Visible Overflow Discharge

Overflow

200mm Min

Maximum Level

Minimum Level

Outlet

Pumped Supply

- 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

For maximum fill- shorten cord

Value Closed

Value Open

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

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

Outlet supplying pressure pump

Flow Rate Graph:

Y-axis: FLOW IN LITRES PER MIN (0 to 1600)

X-axis: INLET PRESSURE IN kPa (0 to 1200)

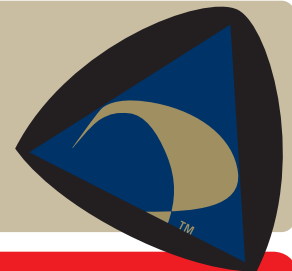
Legend: BigBoy Valve

Inlet Pressure (kPa)	Flow Rate (Litres per Min)
0	0
100	400
200	600
400	800
600	1000
800	1200
1000	1350
1200	1480

MANUFACTURED BY:



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