

APEX
VALVES
BigBoy®

- ✓ Enormous flow
- ✓ Soft closing - no water hammer
- ✓ Longtail, no tank fittings
- ✓ Adjustable water levels saves electricity & increases pump life
- ✓ Full on, full off - diaphragm activated
- ✓ No float switches* - no power required
- ✓ Less parts = Less problems
- ✓ Longtail for thin wall tanks
- ✓ Can be used as a top up Rain Harvesting valve
- ✓ Patented self-cleaning mechanism minimises blockages

*Pump requires pressure or flow switch



APEX
VALVES
BigBoy®

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.
- Rain Harvesting - as a backup water supply control valve, providing a backup supply of water in the event of demand exceeding rainfall.

OPERATING PRINCIPLE

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.

PRODUCT CODES

BB32 - 32mm (1 1/4" BSP)

BB40 - 40mm (1 1/2" BSP)

BB50 - 50mm (2" BSP)

RKBB - Repair Kit

SPECIFICATIONS

WORKING PRESSURE: 15kPa - 1200kPa (2psi - 175psi)

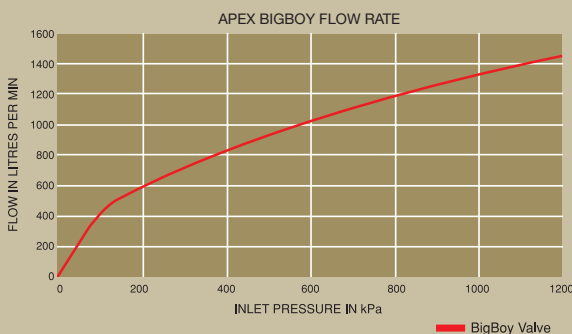
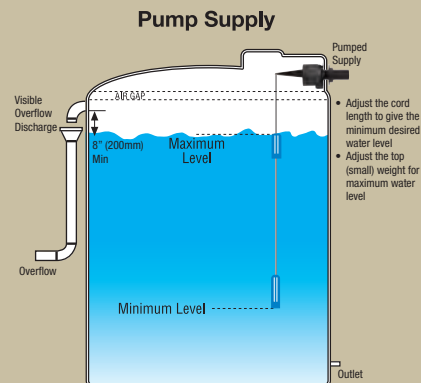
Flow Rates:

Very high flow rates - refer graph below

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

PATENTS

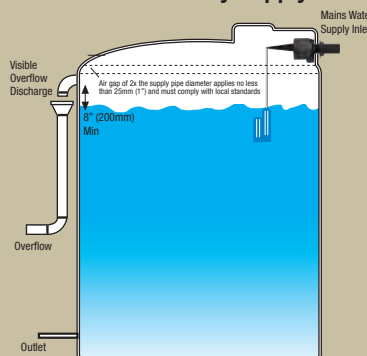
NZ PAT 598546, NZ PAT 328862, NZ PAT 535912, AUS PAT 73644, RSA PAT 98/87777, AUS CLASS 11 NO 1025211



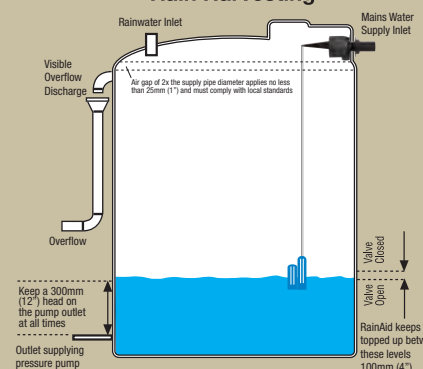
GRAPH CONVERSIONS

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

Mains/Gravity Supply



Rain Harvesting



MANUFACTURED BY:

APEX
VALVES
Rosebank Road, Auckland, New Zealand
apexvalves.co.nz
0800 500 484

Authorised Distributor (India)

mech
zephyr

Mechzephyr Engineering

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APEX
VALVES



APEX
VALVES
PumpBuddy®

- ✓ Adjustable water levels saves electricity & increases pump life
- ✓ Full on, full off - diaphragm activated
- ✓ No float switches* - no power required
- ✓ Less parts = less problems
- ✓ Longtail available for thin walled tanks
- ✓ Can be used as a top up Rain Harvesting Valve

*Pump requires pressure or flow switch





APPLICATION :

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

OPERATING PRINCIPLE

The PumpBuddy® 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.

SPECIFICATIONS

Working Pressure: 55 - 1200kPa (8 - 175psi)

Maximum water temperature: 60°C (140°F)

Minimum water temperature: 1°C (34°F)

PRODUCT CODES

Standard

PB20 - 20mm (3/4" BSP)

PB25 - 25mm (1" BSP)

PB32 - 32mm (1 1/4" BSP)

Longtail

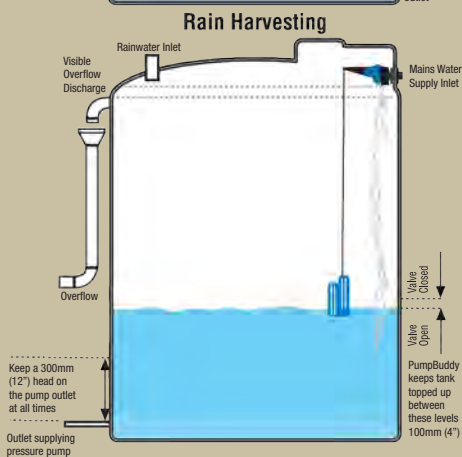
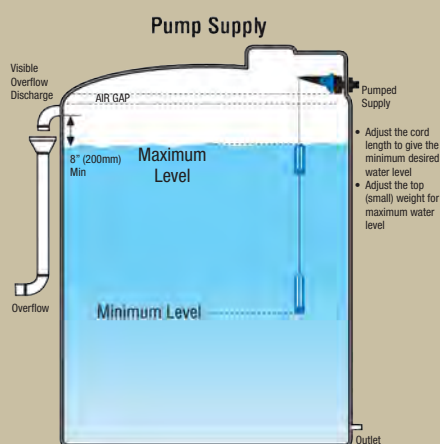
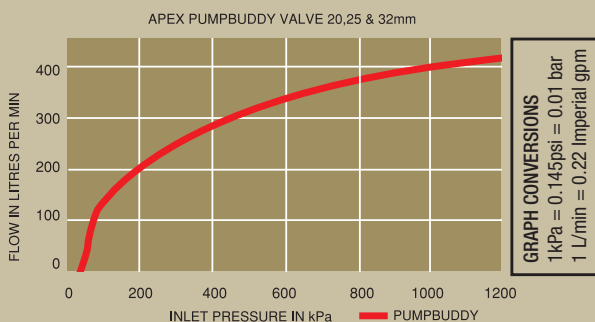
PBLT20 - 20mm (3/4" BSP)

PBLT25 - 25mm (1" BSP)

RKPB - Repair Kit

PATENTS

- New Zealand Patent Application No. 535912
- Australian Class 11 Patent Application No. 1025211
- US Patent Application No. 11/604204
- RSA Patent Application No. 2006/09432



RESERVOIR VALVE

APPLICATION: LARGE STORAGE TANKS/RESERVOIRS

Large Acetyl sleeve valve. High volume flow valve for reservoirs and large header tanks (for pump fed tanks use BigBoy® or PumpBuddy® valves).

PRODUCT CODES:

RES 32 - 32mm (1 1/4" BSP) Single arm, dual float

RES 40 - 40mm (1 1/2" BSP) Single arm, dual float

RES 50 - 50mm (2" BSP) Single arm, dual float

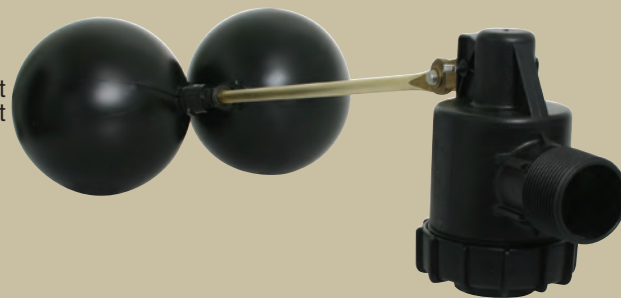
Supplied with two 150mm (6") floats and a twin Float Connector.

WORKING PRESSURE: 0 - 850kPa (120psi)

Flow Rates: 500L/min @ 400kPa (58psi)

Maximum Water Temperature: 60°C (140°F)

Minimum Water Temperature: 1°C (34°F)



See page 14 for repair kit codes

MANUFACTURED BY:

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