

Agricultural & Rural Water Solutions

APEX Reservoir, Trough Valves, and Cobra Float Valves



**PLUMBING
CATALOGUE**

PART OF LIXIL

Introduction



Apex Valves South Africa has been serving the plumbing control valves as well as trough valves for the agricultural industry and rainwater harvesting for over 20 years. We provide 100% backup and support for all our products and are committed to being a progressive, responsible manufacturer, producing high quality, innovative products that are internationally accepted.

Cobra is a much loved South African brand, having been a part of South Africans' lives for more than 60 years. The company made a name for itself as the market leader in plumbing fittings, but with an ever increasing focus on cutting edge design, flawless functionality and high impact aesthetics, its service offering has naturally evolved to become more lifestyle oriented. Just as the bathrooms, kitchens and agricultural of the past consistently featured Cobra products, so the future forward living spaces of tomorrow will too.

LIXIL Africa is the African based entity of the largest global housing and water technology company, LIXIL. Through our differentiated portfolio of global brands, Cobra and Apex Valves are proud to be acquired by LIXIL AFRICA. We have renowned, much loved brands such as VAAL and the premium GROHE brand. Our brands provide a comprehensive offering of designs and technology that are responsive to customer needs, from the luxurious of the functional.

Cobra & Apex South Africa Team would like to take this opportunity to thank all our customers, who have played an integral role in building our brand and look forward to continuing our success story with you.

Yours sincerely
Lixil Africa Team

Apex Valves Big Boy

ENORMOUS FLOW

Diaphragm activated full flow operation

32mm, 40mm & 50mm available



Longtail no need for tank fittings

1200L/min at 800kPa

Highest flow rate of ANY reservoir valve available

Adjustable water levels save electricity & pump life



Why Apex & Cobra

- National after-sales service support by qualified plumbers (on-site repair and/ or replacement within 48 hours) Local call Centre 0861 21 21 21
- Recipients of the 2016 Customer Service Award of the Year from SEIFSA (Steel & Engineering Industries Federation of South Africa)
- Developed for African conditions, ensuring product longevity against the presence of lead.
- Spares widely available
- Backing of two global giants (APEX VALVES NEW ZEALAND & LIXIL Africa)
- Local training support for your teams
- Tried & quality-proven local exclusive ranges on offer Our products have a global footprint
- Plumbers Club rewards you and your business for selected purchases of Apex Valves
- Suitable for use in environments where low water pressure is present or a header tank is used.

Team Assist

Trained and dedicated National service teams are in place to provide support pre and post installation.

Our Expertise

Our dedicated National after-sales service number (0861 21 21 21) enables customers to speak directly to a service consultant for over-the-phone advice or to book a service call for a technician to personally visit the site in question. We are committed to attending to our customers' calls within 48 hours.

Quality

Quality remains one of the key pillars of continuous improvement. At Apex Valves South Africa & Cobra, our people are continually trained to ensure they adhere to our quality principles and observe correct procedures. Our technical products are produced and tested to meet the highest standards. Our float valves & agricultural solutions are used in commercial, industrial, and agricultural applications for controlling high-capacity water flow

State of the Art Facilities

Our Factories

With ongoing investment into our factories, we will continue to produce world-class products using the latest plant and manufacturing equipment and technologies.

This improved efficiency allows Apex Valves South Africa to consistently stay abreast of international trends.

Water saving/Energy saving

Apex Valves South Africa offers an extensive range of water saving and energy/ electricity saving products that are sophisticated in both design and function.

This includes high water volume Cobra and Apex South Africa float valves, which will result in reduced electricity consumption and unnecessary or excessive wear-and-tear on pumps (due to the high flow rates/ volumes, thus filling water reservoirs/ water tanks much quicker), pressure reducing valves, expansion valves, pressure control valves and so much more.

Our research teams constantly investigate ways in which to improve the water efficiency of our products and we often develop specific technologies to complement the existing systems or water reticulation designs where critical consumption management is required.

Product Finish: Acetyl / Brass

Product Care and Maintenance

Cobra & Apex Valves South Africa rural valves products are carrying a two (2) year warranty,

PRODUCT WARRANTY AND CONSEQUENTIAL DAMAGE PROCEDURES Warranty

1. The LIXIL Africa products are backed by a warranty as stipulated above, from date of purchase, against faulty materials and/ or defective workmanship.
2. The warranty shall not apply to damages caused by faulty operation/ installation due to foreign matter in the water supply or system, the connection of the “Product” to impure or deleterious water supplies containing excessive dissolved salts or chemicals; the connection of the “Product” in a manner which does not comply with the manufacturer’s recommendations and local plumbing code requirements/ criteria; or the abuse/ mutilation/conversion of the “Product”; or installed by a non-licensed/ non-qualified plumber* *Plumber details & license number will be required.
3. LIXIL Africa undertakes to replace and/ or repair, at its discretion and in adherence to the Consumer Protection Act (CPA), any defective “Product”, provided that Apex Valves South Africa will incur no consequential liability whatsoever.

Product Care and Maintenance

Product “Failure”

If a valve is perceived to be malfunctioning:

1. Follow the instructions on the installation leaflet supplied with the valve.
2. If the problem cannot be resolved, contact Apex Valves South Africa*/ LIXIL Africa Service Call Centre* and follow their advice and recommendations.
3. If the problem persists, please get in contact with Apex Valves South Africa*/ LIXIL Africa Service Call Centre*

*Apex Valves South Africa/LIXIL Africa reserves the right to review any specific case in order to assess the validity of this warranty/ claim.

*Apex Valves South Africa/LIXIL Africa may charge a discretionary service fee when called out to inspect products which are not Apex Valves South Africa/LIXIL Africa products or where there is an illegitimate claim.

Maintenance

The frequency and extent of maintenance required for these products vary according to prevailing site and operational conditions.

No regular/ specific maintenance is required (by default). Spare parts are available for key components.

Wherever water is required on the farm, our high-quality fittings keep it flowing efficiently.

Setting the standard since 1997 for the design and manufacture of products that control the efficiency, safety and quality of water.

Contents

RURAL WATER SOLUTIONS	10-11
WATER RETICULATION	12
RESERVOIR VALVES:	
BIGBOY®	15
PUMPBUDDY®	16
RAINAID®	17
220P (HIGH/LOW)	18
RESERVOIR VALVE	19
RESERVOIR VALVE DUAL LEVER	20
LARGE & MEDIUM TROUGH VALVES:	
XCESS®®	21
APT	22
COBRA FLOAT VALVES:	
FLOAT VALVES	23-25
VISIBALL® WATER LEVEL INDICATOR	26
XTRAFLOW®	27
SPARES & ACCESSORIES	28
VIDEO INSTALLATION	29

Rural Water Solutions

Efficient and effective water supply assists with better grazing management, better stock performance, increased stock numbers and improved animal welfare.



WATER TANKS

A common farm will pull from a nearby water source (river, stream, bore, town supply or rainwater harvested from nearby buildings) and store it, ready for use, in tanks.

- The water tank level will be maintained by the pump using a VisiBall valve.

TANK VALVE SELECTION GUIDE

INLET PRESSURE	SET MINIMUM & MAXIMUM WATER LEVELS	MAINTAIN WATER LEVEL
0 - 850 kPa (0 - 123 psi)	-	- Reservoir Valve
15 kPa - 1200 kPa (2 - 175 psi)	BigBoy®	- BigBoy® (clip weights together)
55 kPa - 1200 kPa (8 - 175 psi)	PumpBuddy®	RainAid® PumpBuddy® (clip weights together)










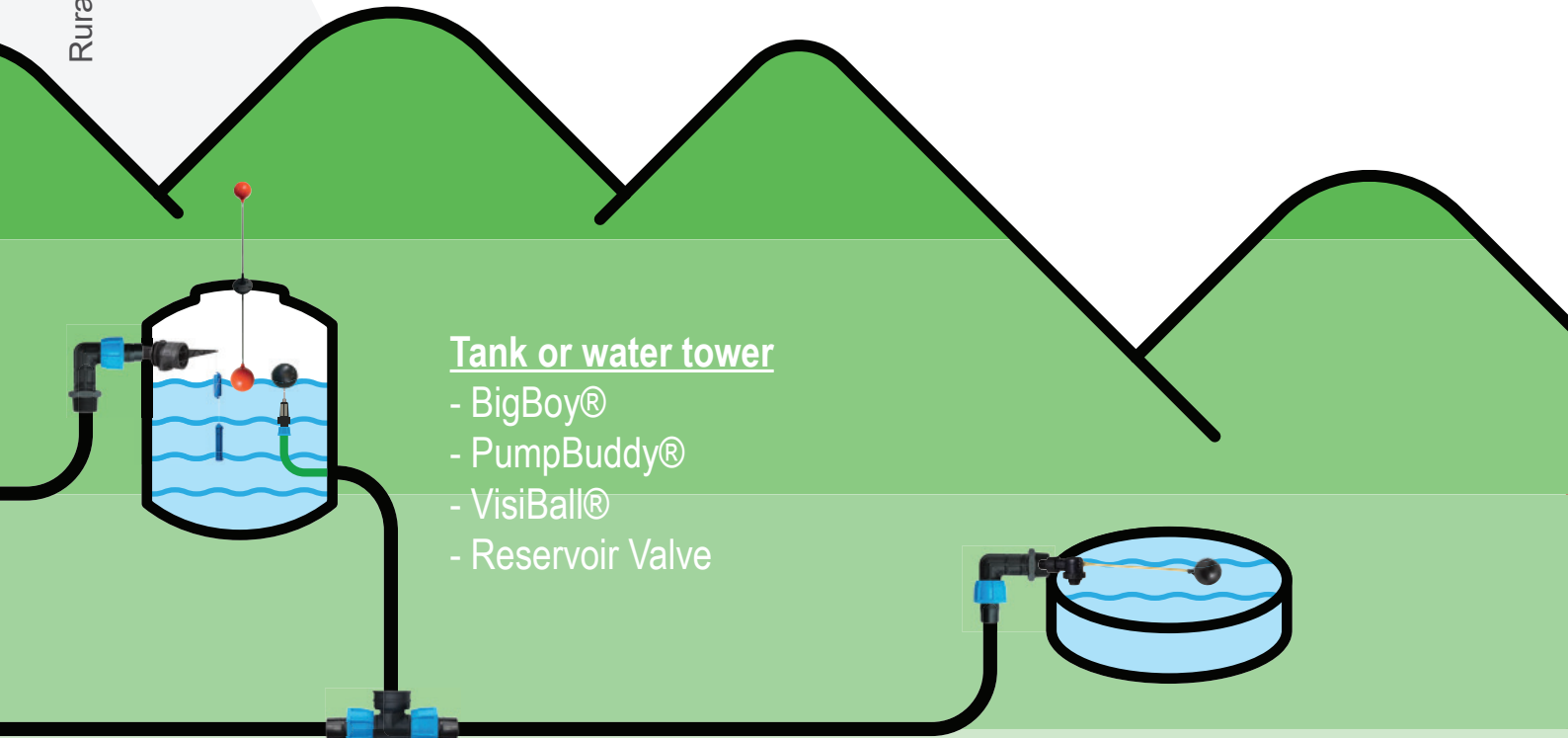
TROUGHS

To ensure stock are well watered at all times, flow into troughs should be controlled to ensure correct levels are maintained.

- The size and number of water troughs will depend on the size of the paddock as well as the water demand created by the type of livestock and the size of the herd.
- Each trough is fitted with a valve that maintains water level. As livestock drink water, the trough is replenished through the valve.
- Use the trough valve selection guide to select the appropriately size trough valve.

TROUGH VALVE SELECTION GUIDE

STOCK	LITRES/HEAD/DAY	TROUGH SIZE	VALVE	FLOW RATE (L/MIN)
Dairy	 70	Large - High demand 1500 Litres	XtraFlo® / Xcess® / UltraFlo®	>300 L/min
Beef	 45	Large - High demand 1500 Litres	XtraFlo® / Xcess® / UltraFlo®	>300 L/min
dairy	 70	Medium to Large	Xcess® / AP /	Up to 300 L/min
Beef	 45	Medium to Large	Xcess® / AP /	Up to 200 L/min
Horses (grazing)	 36	Medium 500 - 1000 Litres	Xcess® / AP /	Up to 200 L/min
Sheep/ Pigs etc.	 4	Small to Medium	Xcess® / 220 & 225 / 220P	Up to 50 L/min
Sheep/ Pigs etc.	 -	Drinker	Space Saver®	Up to 17 L/min

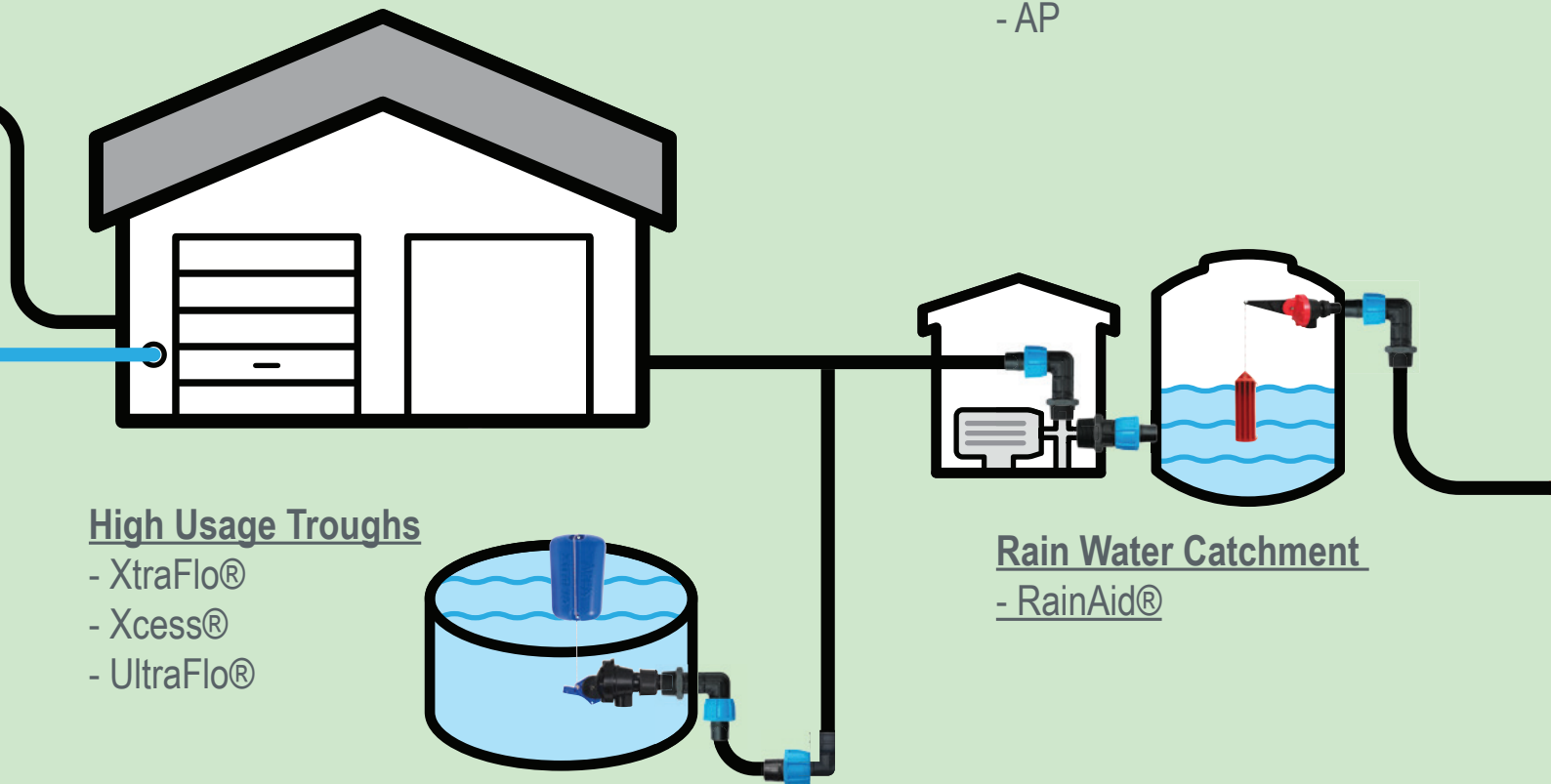


Tank or water tower

- BigBoy®
- PumpBuddy®
- VisiBall®
- Reservoir Valve

Smaller Usage Troughs

- 220P
- 225
- AP



High Usage Troughs

- XtraFlo®
- Xcess®
- UltraFlo®

Rain Water Catchment

- RainAid®

APEX[®] Rural Water Solutions.

Rural Water Solutions

Tank and Reservoir Valves,
Trough Valves and Water Indicator

**APEX[®]**
VALVES
SOUTH AFRICA

APEX[®]

Durable float valves and accessories to keep the water level in tanks and troughs exactly where it should be.

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)

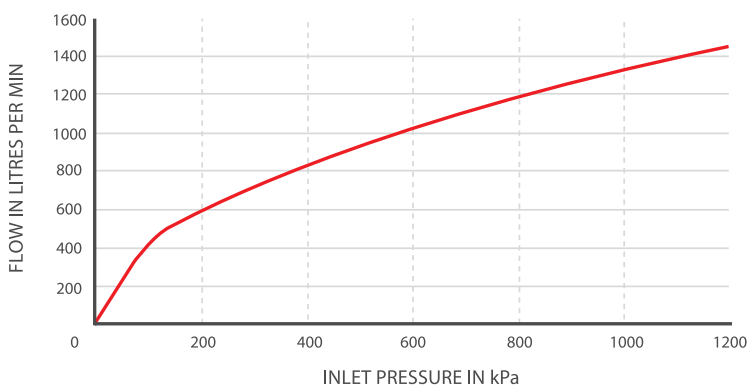
AVAILABLE SIZES

- 32mm (1 1/4") - 40mm (1 1/2")
- 50mm (2")

SPARES & ACCESSORIES

Service Kit (contains diaphragm and jet centre)

FLOW RATE

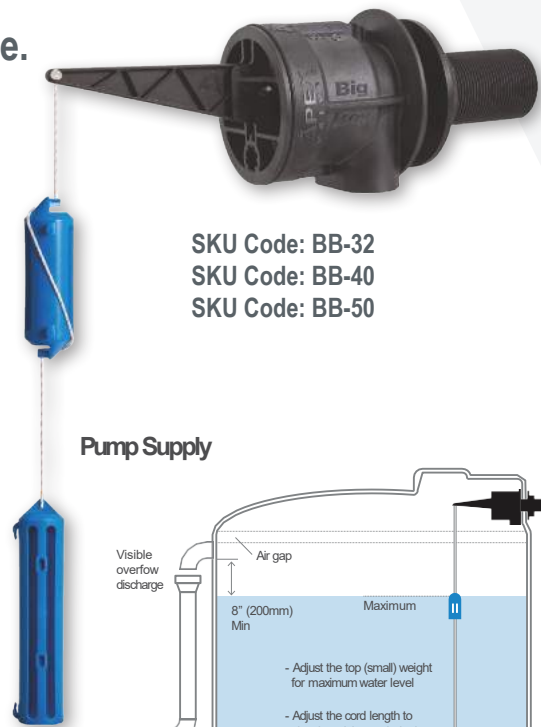


GRAPH CONVERSIONS

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

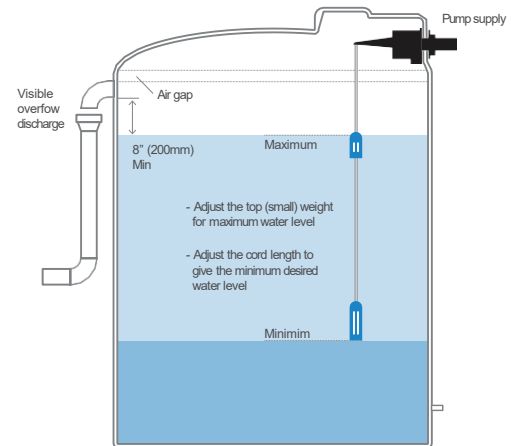
For video operational guide please visit:

<https://www.watts.nz.co.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cbb521/56907-source/apex-big-boy>

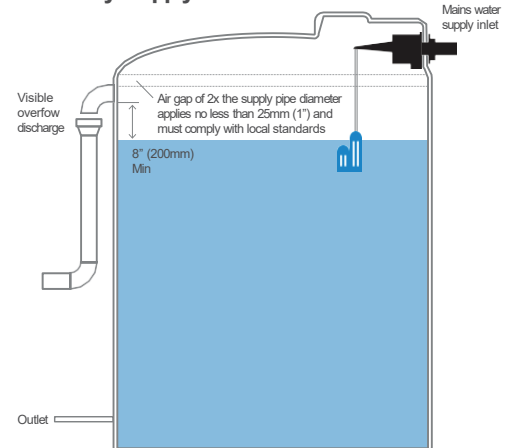


SKU Code: BB-32
SKU Code: BB-40
SKU Code: BB-50

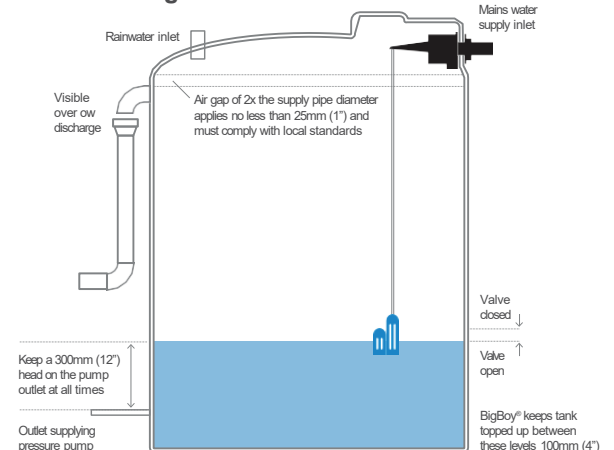
Pump Supply



Mains/Gravity Supply



Rain Harvesting



PumpBuddy®

Water Tank & Reservoir Diaphragm Valve.

APPLICATION

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

HOW IT WORKS

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.

FEATURES & BENEFITS

- 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 available - removes need for tank fittings on thin walled tanks
- Can be used as a top up rainwater harvesting valve
- Fully serviceable

SPECIFICATIONS

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

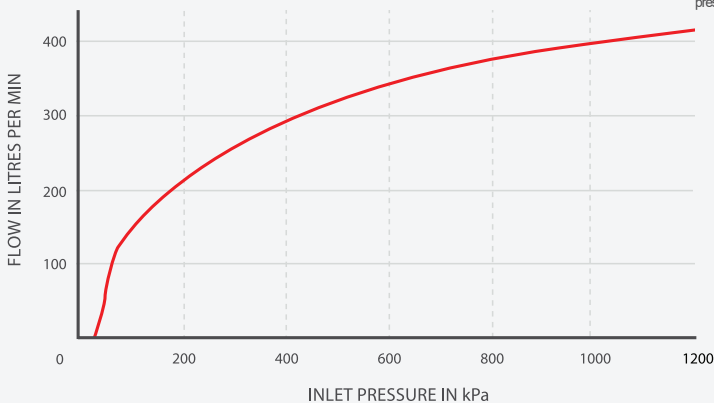
Flow Rate: 425 L/min (95 gal/min) @ 1200 kPa (175 psi)

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

AVAILABLE SIZES

- | | |
|------------------|-------------------|
| Standard: | Long Tail: |
| - 20mm (3/4") | - 20mm (3/4") |
| - 25mm (1") | - 25mm (1") |

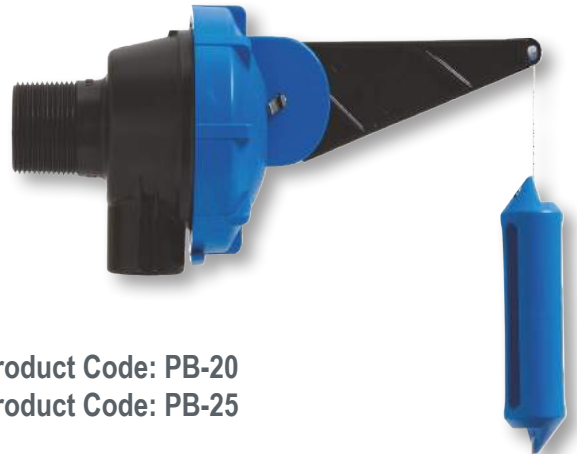
FLOW RATE



GRAPH CONVERSIONS

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

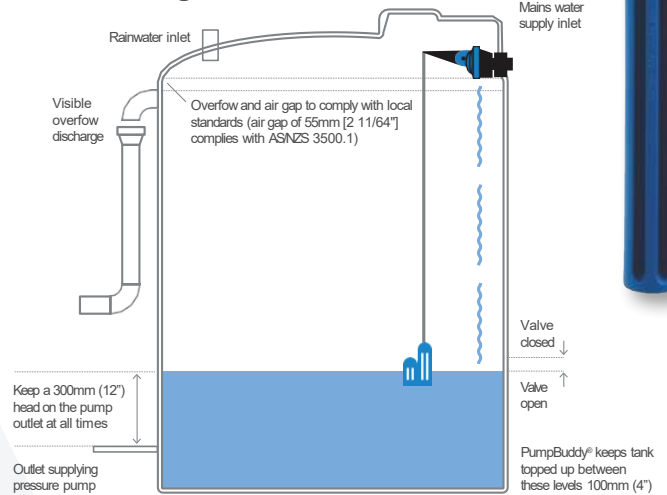
For video operational guide please visit:
<https://www.wattsnz.co.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cbb521/56922-source/apex-pumpbuddy>



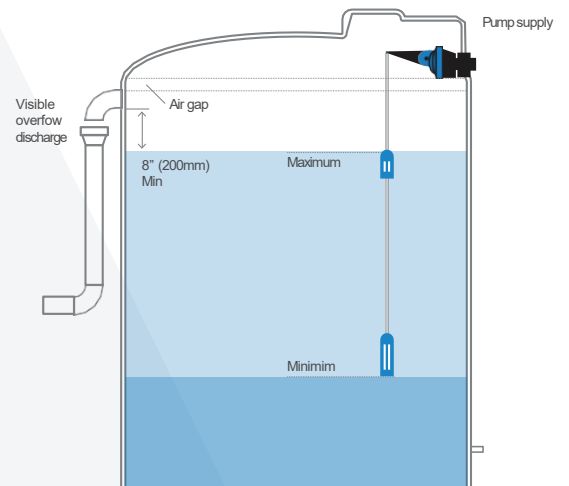
Product Code: PB-20

Product Code: PB-25

Rain Harvesting



Pump Supply



Rainwater Harvesting Valve.

APPLICATION

- The RainAid® valve is designed to be connected to the mains water supply on a rainwater collection tank. It will provide a backup supply of water in the event of demand exceeding rain supply.

HOW IT WORKS

Under normal conditions, rainwater will fill the tank. If the rainwater level drops below a pre-set level, the RainAid® valve will open to maintain the water level using the mains water supply.

The rainwater tank is used to supply water to non potable outlets such as the toilets, laundry and garden. There is a 100mm (4") differential between the open and closed positions of the RainAid® Valve.

FEATURES & BENEFITS

- Adjustable water levels save electricity & increase pump life
- Full on, full off
- No float switches - no power required
- Comes with long tail, removing need for tank fittings on thin walled tanks
- Fully serviceable

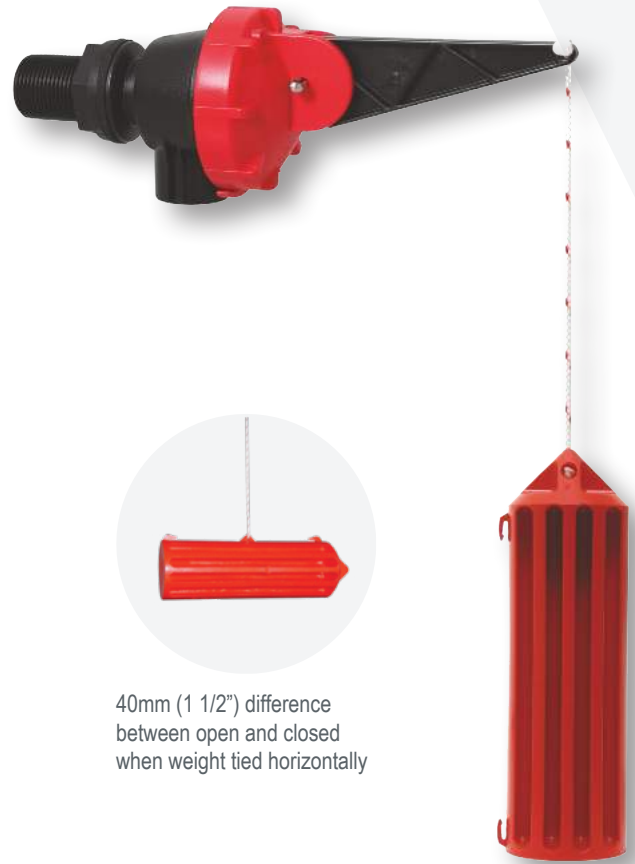
SPECIFICATIONS

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

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

AVAILABLE SIZES

- 20mm (3/4")



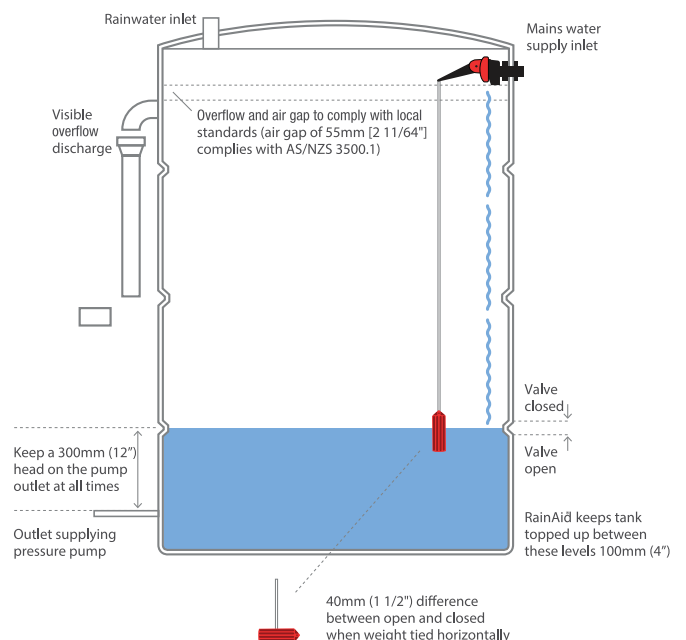
40mm (1 1/2") difference between open and closed when weight tied horizontally

Product Code: RA-20

For video operational guide please visit:

<https://www.wattsnz.co.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cbb521/56923-source/apex-rainaid>

Rain Harvesting



220P High/Low

Small Medium Trough Valve.

APPLICATION

Acetyl, plunger activated valve for medium sized troughs.

FEATURES & BENEFITS

- Removable seat for lower pressures
- Comes with seat removal tool
- Barbed outlet to fit silencer tube for cistern applications
- Comes with long tail and back nut, removing need for tank fittings on thin-walled troughs

SPECIFICATIONS

Working Pressure with Seat: 0 1400 kPa (200 psi)
 Low Working Pressure without Seat: 0 500 kPa (70 psi)
 Flow Rate with Seat: 15 L/min (3 gal/min) 1400 kPa (200 psi)
 Flow Rate without Seat: 53 L/min (12 gal/min) 500 kPa (70 psi)
 Temperature Range: 11°C 6060°C (34 34°F 140140°F)

AVAILABLE SIZES

- 15mm (1/2")
- 20mm (3/4")
- 25mm (1")

INSTALLATION

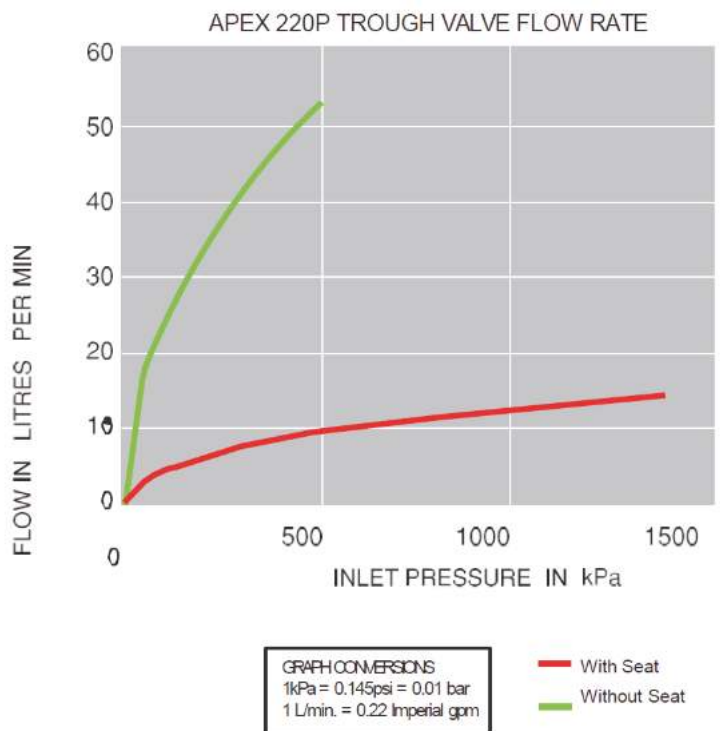
- Inlet pipe must be horizontal and firmly mounted
- Inlet flow may need to be reduced at inlet pressure above 485 kPa (70 psi)
- Under certain conditions it may be advisable to install a hammer arrestor

SPARES ACCESSORIES

- Spare arm
- Use 115mm (4") or 150mm (6") float
- Service kit (contains plunger with washer, cotter pin, cap, jet & O-ring, seat removal tool)



SKU Code 1/2 220 P
 SKU Code 3/4 220 P
 SKU Code 25 mm 220 P



Reservoir Valve

Water Tank & Reservoir Valve.

APPLICATION

- Large Acetyl sleeve valve. High volume flow valve for reservoirs and large header tanks.

FEATURES & BENEFITS

- Full flow operation
- Large UV-stabilised acetyl construction sleeve body
- Dezincification resistant brass lever
- No metal valve seat corrosion
- Float arm is fully adjustable
- Fully serviceable

SPECIFICATIONS

Working Pressure: 0 - 850 kPa (120 psi)

Flow Rates: 500 L/min (110 gal/min) @ 400 kPa (58 psi)

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

AVAILABLE SIZES

- 32mm (1 1/4")
- 40mm (1 1/2")
- 50mm (2")

INSTALLATION

- Inlet pipe must be horizontal and firmly mounted
- Inlet flow may need to be reduced at inlet pressure above 485 kPa (70 psi)
- Under certain conditions it may be advisable to install a hammer arrestor

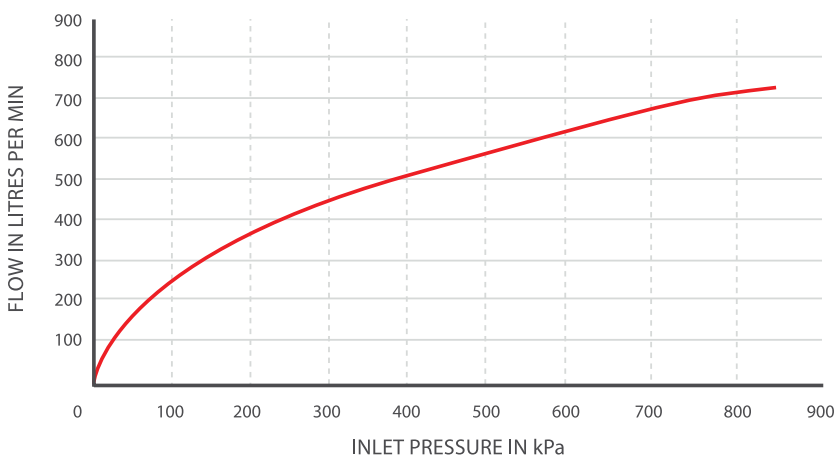


SKU Code: RES-32

SKU Code: RES-40

SKU Code: RES-50

FLOW RATE



GRAPH CONVERSIONS

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

For video operational guide please visit:

<https://www.watts.nz.co.nz/dfsmedia/0533dbba17714b1ab581ab07a4cb-b521/56909-source/apex-dual-level-reservoir-valve>

Reservoir Valve Dual Lever

APPLICATION

- Large Acetyl sleeve valve. High volume flow valve for reservoirs and large header tanks.

FEATURES & BENEFITS

- Full flow operation
- Large UV-stabilised acetyl construction sleeve body
- Dezincification resistant brass lever
- No metal valve seat corrosion
- Float arm is fully adjustable
- Fully serviceable

SPECIFICATIONS

Working Pressure: 0 - 850 kPa (120 psi)

Flow Rates: 500 L/min (110 gal/min) @ 400 kPa (58 psi)

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

AVAILABLE SIZES

- 32mm (1 1/4")
- 40mm (1 1/2")
- 50mm (2")

SPARES ACCESSORIES

- Use two 150mm (6") ball floats
- Spare arm
- Lever Kit (contains lever, arm bolt, adapter bushes [for older versions], cotter pin and silicone grease)
- Service Kit (contains plunger, O-ring, cotter pin, adapter bushes [for older versions], washer and damper ring)

INSTALLATION

- Inlet pipe must be horizontal and firmly mounted
- Inlet flow may need to be reduced at inlet pressure above 485 kPa (70 psi)
- Under certain conditions it may be advisable to install a hammer arrestor

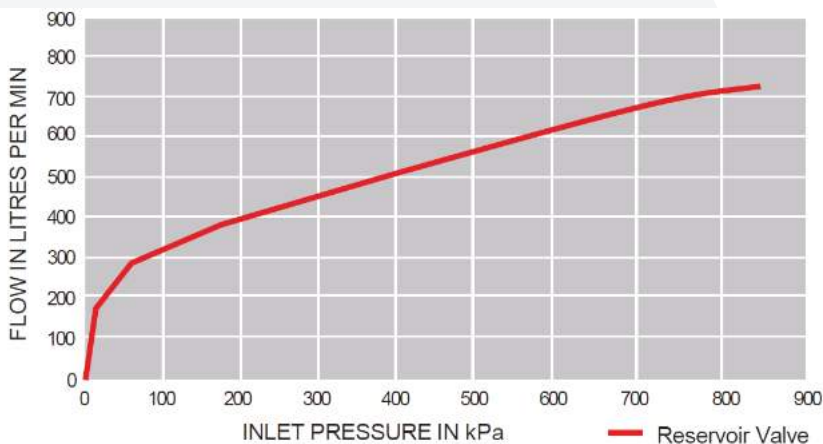


SKU Code: RESDL-32

SKU Code: RESDL-40

SKU Code: RESDL-50

APEX RESERVOIR VALVE FLOW RATE



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

Full Flow, Large & Medium Trough Valve.

APPLICATION

- Full flow designed for fast filling large troughs with high demand. Unique cam-lock compatible outlet allows for convenient water supply for other jobs around the farm.

FEATURES & BENEFITS

- Very high flow rate: 500 L/min. (110 gal/min.) @ 1200 kPa (175 psi)
- Comes with a reducing bush so one valve fits two inlet sizes
- Cam-lock compatible outlet for a convenient water source
- Shut-off pin to close valve
- Long tail version available removing the need for tank fittings on thin-walled tanks/troughs
- Plunger serviced without removing arm
- Fully serviceable - no tools required



SKU Code: XS25/20

SPECIFICATIONS

Cam-lock Compatibility: Top entry troughs or minimum clearance from trough bottom 150mm (6").

Working Pressure: Standard arm: 0 - 1200 kPa (0 - 175 psi)

Short arm: 0 - 800 kPa (0 - 115 psi)

Flow Rate: 500 L/min. (110 gal/min.) @ 1200 kPa (175 psi)

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

*Note: Short arm must not be used with cord and nipple, float must be screwed directly to the arm

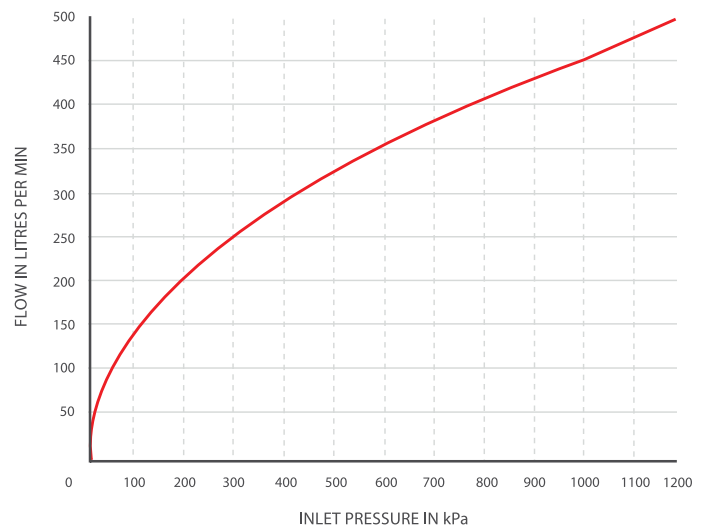
AVAILABLE SIZES

- 25mm (1") with 20mm (3/4") reducing bush

For video operational guide please visit:

<https://www.wattsnz.co.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cbb521/56933-source/apex-xcess>

FLOW RATE



GRAPH CONVERSIONS

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



Connect to portable breakfeed trough



Filling spray tank



Wash down equipment



No tools required to service



Service without removing arm

Acetyl Full Flow, Large & Medium Trough Valve.

APPLICATION

- Acetyl sleeve valve for fast filling medium troughs.

FEATURES & BENEFITS

- Full flow design
- Fully serviceable

SPECIFICATIONS

Working Pressure: 0 - 1200 kPa (175 psi)

Flow Rate: 310 L/min (70 gal/min) @ 1200 kPa (175 psi)

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

AVAILABLE SIZES

- 15mm
- 20mm (3/4")
- 25mm (1")

SPARES & ACCESSORIES

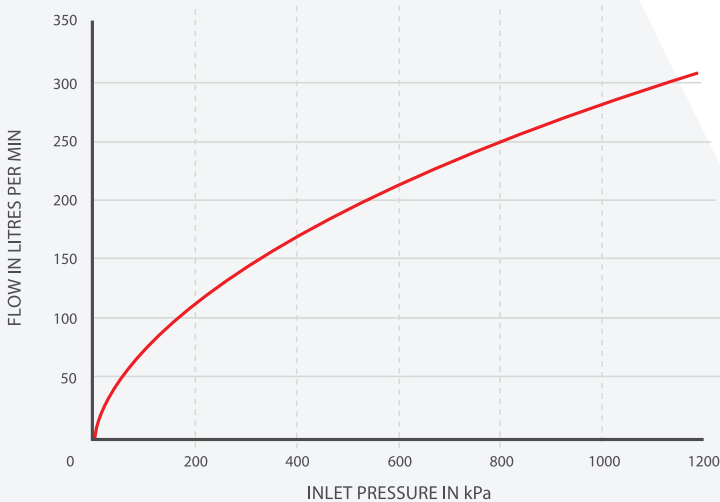
- Cord and nipple
- Short arm (length: 195mm [7 3/4"])
- Standard arm (length: 352mm [13"])
- Use 150mm (6") ball float
- Service Kit (contains plunger, o-ring, washer, cotter pin)



SKU Code: APT-15

SKU Code: APT-20/25

FLOW RATE



GRAPH CONVERSIONS

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

For video operational guide please visit:

<https://www.wattsnz.co.nz/dfsmedia/0533dbba17714b1ab581ab07a4cb-b521/56904-source/apex-ap>

Cobra Float Valves

Cobra Float Valve with side inlet, rough brass. Includes: high-pressure BS 1212 pattern, 286mm long arm, piston, backnut, replaceable 2.5mm I.D. nylon seat, and 32mm long inlet.

Product Code: FFL3HI15-7FT01
SKU Code: 715-15/N



Cobra Float Valve with side inlet, rough brass. Includes: high-pressure Portsmouth pattern, piston, backnut, 2.5mm I.D. integral brass seat, 32mm long inlet, 400mm long arm, and 1 male inlet.

Product Code: FFLOHI25-7FT01
SKU Code: 700-25/N



Cobra Float Valve with side inlet, rough brass. Includes: high-pressure MOH pattern, 520mm long arm, piston, backnut, 16mm I.D. stainless steel seat, 50mm long inlet, and 2 male inlet.

Product Code: FFLOHI50-7FT01
SKU Code: 700-50/N



Cobra Float Valve with side inlet, rough brass. Includes: high-pressure MOH pattern, 430mm long arm, piston, backnut, 14.3mm I.D. stainless steel seat, 50mm long inlet, and 1 1/2 male inlet.

Product Code: FFLOHI40-7FT01
SKU Code: 700-40/N



Cobra Float Valves

Cobra Float Valve with side inlet, rough brass. Includes: high-pressure MOH pattern, 400mm long arm, piston, backnut, 11.1mm I.D. stainless steel seat, 50mm long inlet, and 1 1/4 male inlet.

Product Code: FFLOHI32-7FT01

SKU Code: 700-32/N



Cobra Float Valve with side inlet, rough brass. Includes: high-pressure MOH pattern, 319mm long arm, piston, backnut, replaceable 4.5mm I.D. nylon seat, 32mm long inlet, and 3/4 male inlet.

Product Code: FFLOHI20-7FT01

SKU Code: 700-20/N



Cobra Float Valve with side inlet, rough brass. Includes: high-pressure MOH pattern, 286mm long arm, float valve, piston, backnut, replaceable 2.7mm I.D. nylon seat, 32mm long inlet, and 1/2 male inlet.

Product Code: FFLOHI15-7FT01

SKU Code: 700-15/N



Cobra Low Pressure Float Valve. Two piece body MOH pattern. 319mm float arm. 32mm long inlet shank with backnut. Brass piston and 10mm diameter stainless steel seat. 3/4BSP male iron connection end.

Product Code: FFL2LO20-7FT01

SKU Code: 710-20/N



Cobra Float Valves

Cobra High Pressure Float Valve. Two piece body MOH pattern. 220mm float arm. 32mm long inlet shank with backnut. Nylon piston and 2.7mm diameter nylon seat. 1/2BSP male iron connection end.

Product Code: FFL2HI15-7FT01

SKU Code: 701-15/N



Cobra Econo Float Valve, 3/4, 319mm arm.

Product Code: FFL1LO20-7FT01

SKU Code: 703-20/N



Cobra High Pressure Float Valve. Two piece body MOH pattern. 286mm float arm. 50mm long inlet shank with backnut. Brass piston and large bore nylon seat. 1/2BSP male iron connection end. Recommended float ball size 115mm diameter.

Product Code: FFL1HI15-7FT01

SKU Code: 700SP/N



Water Level Indicator.

APPLICATION

- Highly visible water level indicator for large water tanks and reservoirs.

FEATURES & BENEFITS

- Visible from a long distance
- Innovative Uni-Ball joint suits all roof angles, on all tank types
- Designed to withstand the hardest weather conditions
- Made from the highest quality UV resistant materials
- Doesn't get stuck

SPECIFICATIONS

Stainless steel tube 2m (6.5ft)

Maximum wind speed @ 2m (6.5ft): 120km/hr (75mph)

Maximum wind speed @ 3m (10ft): 80km/hr (50mph),
two 150mm (6") floats needed for 3m (10ft) height

SKU Code: VSBALL

AVAILABLE SIZES

- VisiBall®
- 150mm (6") Ball Float (bottom float[s])

INSTALLATION

- Easy fit with only one 25mm (1") hole to be drilled
- Tube must be vertical
- Two 150mm (6") floats are required when the extension tube is used
- Maximum height: 3m (10ft)

For video operational guide please visit:

<https://www.watts.nz.co.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cbb521/56933-source/apex-xcess>



Full Flow, Large & Medium Trough Valve.

APPLICATION

- Compact diaphragm valve with full flow high volume fill for large troughs with high demand.

FEATURES & BENEFITS

- Armless design reduces likelihood of livestock damage
- Long life, simple operation trough valve only three internal moving parts
- High flow full on and full off
- 30mm (1 1/4") water level differential between opening and closing, reducing pump motor overload
- Long tail versions available, removing need for tank fittings on thin walled tanks and troughs
- UV Stabilised and corrosion resistant
- Patented self cleaning mechanism to minimise blockages
- Fully serviceable

SPECIFICATIONS

Working Pressure: 30 1200 kPa (4 175 psi)

Flow Rate: 425 L/min (95 gal/min) 1200 kPa (175 psi)

Temperature Range: 11°C 6060°C (34 34°F 140140°F)

AVAILABLE SIZES

- 25mm (1") with 20mm (3/4") reducing bush
- 32mm (1 1/4")
- 20mm (3/4") Long Tail
- 25mm (1") Long Tail

SPARES ACCESSORIES

- Spare XtraFlo float
- Top Entry Conversion Kit
(contains 115mm [4"] ball float, nuts and adjustable arm)
- Service Kit
(contains diaphragms [new old versions], backing plates [new old models], jet assembly, lever and spindle, spring, cotter pin)

SKU Code: XF-25/20

SKU Code: XF-25

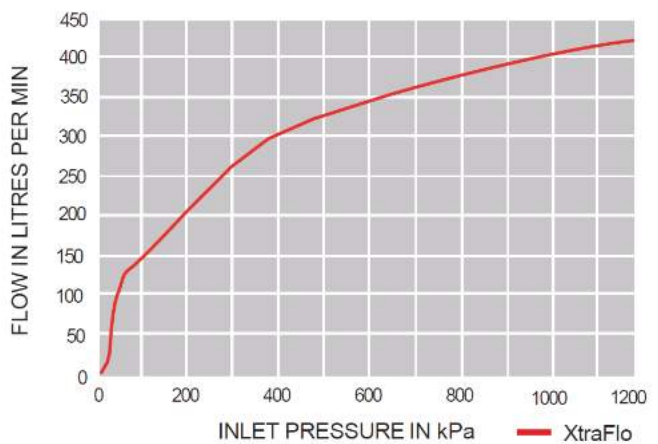
SKU Code: XF-32



Long tail version
Remove need for tank fittings in thin walled troughs/tanks



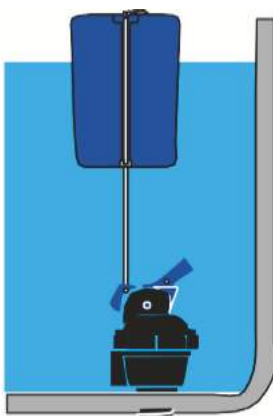
APEX XTRAFLO FLOW RATE



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

BOTTOM MOUNT

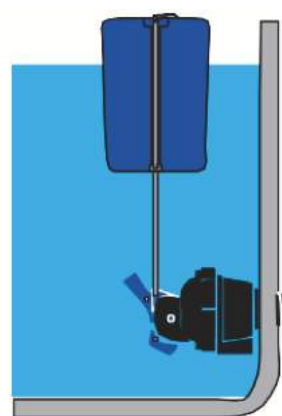
Attach cord at bottom hole



SIDE MOUNT FOR VARIABLE WATER LEVEL

Adjust length of cord to top of float.

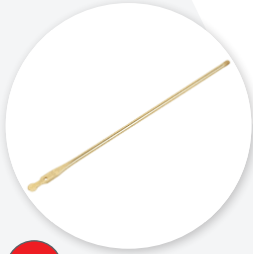
Attach cord at top hole



Spares & Accessories

*Product image might vary

AP Valve Brass Arm
SKU Code: P16AP



1

Brass Trough Valve Repair Kit
SKU Code: RKAP



2

Pump Buddy Repair Kit
SKU Code: PB-KIT



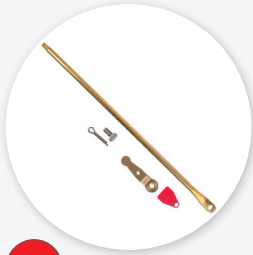
3

RainAid Valve Repair kit
SKU Code: RKRA



4

Reservoir Brass Arm Only
SKU Code: RES-LKA



5

Reservoir Valve Repair Kit
SKU Code: RKRES



6

Cord and Nipple
SKU Code: SP-82



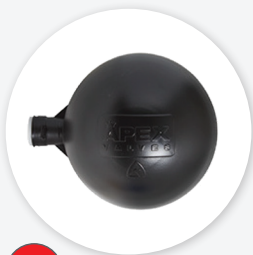
7

Big Boy Repair Kit
SKU Code: BB-Repair kit



8

Black Ball Float
SKU Code: FLT-150B



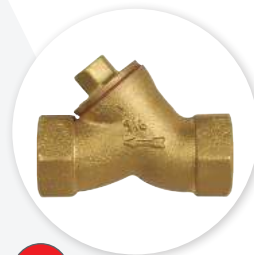
9

Twin Float Connector
SKU Code: SP-84



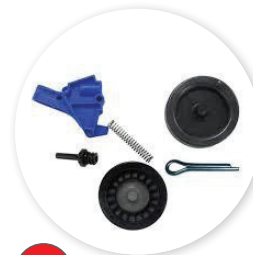
10

Cobra in-line Strainer
SKU Code: 1025-20/N



11

Xtraflo Repair Kit
SKU Code: RKXF



11

Video installation guide

<p>1</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>2</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>3</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>4</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>5</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>6</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>7</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>8</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>9</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	
<p>10</p>		<p>https://www.watts.nz/dfsmedia/0533dbba-17714b1ab581ab07a4cb-b521/56905-source/apex-arms-and-spares</p>	

LIXIL Africa (PTY) LTD
20 Wright Street,
Factoria,
Krugersdorp, 1739
South Africa

LIXIL Africa Aftersales Service:
0861 21 21 21
info.apexvalves@lixil.com
service.africa@lixil.com

Cobra:
customer.helpdesk@lixil.com

Apex Valves South Africa:
+27 (0)12 664 0588

Website:
www.lixil.co.za



COBRA

HERE FOR YOU