



**APEX**<sup>®</sup>  
VALVES  
A WATTS Brand

Apex Valves: New Zealand's specialist trough valve manufacturer, supplying trough valves into the rural market for over thirty years


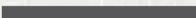
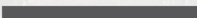

SECTION 6

Code                      Description                      Size

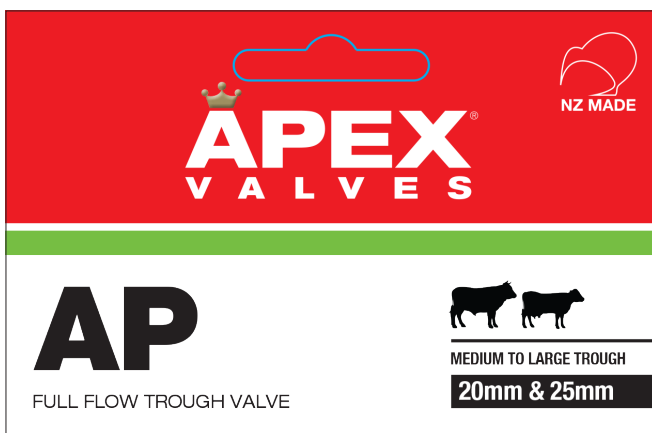
**APEX COLOUR CODING**

Enables spare parts to easily match to valves

- Space Saver - Purple
- HiLo - Grey
- Xcess/Ultraflo - Red
- 72- Orange
- AP - Green
- AB- Yellow
- XtraFlo - Blue

DRINKER	SMALL TO MEDIUM TROUGH
10 - 80 litres (2 - 18 gal)*	100 - 400 litres (22 - 90 gal)*
<b>SpaceSaver</b> 	<b>220HiLo 225HiLo Xcess</b>   
*TROUGH SIZING IS INDICATIVE ONLY	*TROUGH SIZING IS INDICATIVE ONLY

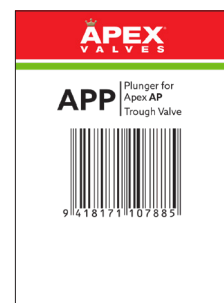
MEDIUM TO LARGE TROUGH	LARGE TROUGH HIGH DEMAND
400 - 1,500 litres (90 - 330 gal)*	1,000 - 2,500 litres (220 - 550 gal)*
<b>72 AP AB Xcess</b>    	<b>XtraFlo Xcess UltraFlo</b>   
*TROUGH SIZING IS INDICATIVE ONLY	*TROUGH SIZING IS INDICATIVE ONLY



Header Card



Repair Kit



Spare Parts



Code Description Size

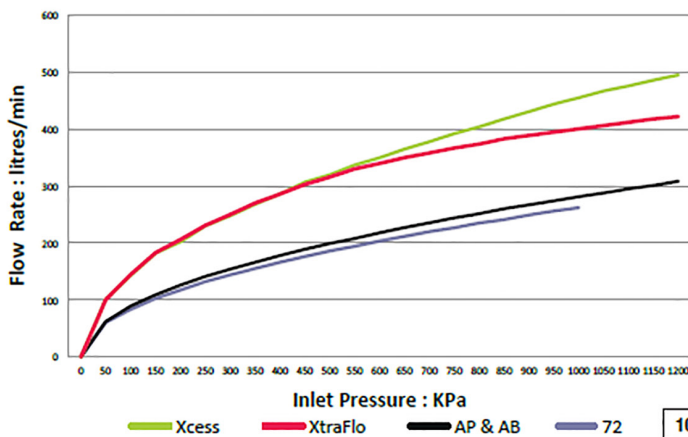
**APEX VALVES**

Stock	Litres/Head/Day	Trough Size	Valve	Flow Rate Litres/Min
Dairy	70	Large-High Demand 2500 Litres	XtraFlo, Xcess, Ultraflo	> 300
Beef	45	Large-High Demand 2500 Litres	XtraFlo, Xcess, Ultraflo	> 300
Dairy	70	Medium to Large	Full Flow Acetyl (AP), Full Flow Brass (AB), Full Flow (72), Xcess*	Up to 200
Beef	45	Medium to Large	Full Flow Acetyl (AP), Full Flow Brass (AB), Full Flow (72), Xcess*	Up to 200
Horses	36	Medium 500 - 1000 Litres	Full Flow (Acetyl) AP, Full Flow (Brass AB), Full Flow (72), Xcess*	Up to 200
Sheep	4	Small to Medium	Brass HiLo, Xcess*	Up to 50
Hydroponics & other		Drinker	Space Saver	Up to 17

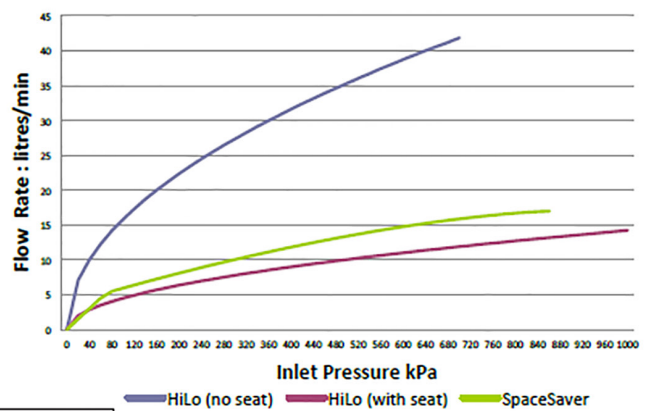
\* Note: The Xcess Flow Rate is > 300l/min but is recommended for all trough sizes because of the camlock outlet feature. This feature turns it into a convenient water source for filling spray tanks, supplying break feeding troughs etc.

**Flow Rates**

**APEX - Full Flow Range (Xcess, XtraFlo, AP, AB, 72)**



**APEX - Low Flow Range (HiLo, Space Saver)**



## SECTION 6

Code                      Description                      Size

### XCESS CAMLOCK COMPATIBLE FULL FLOW TROUGH VALVE

**Application: Large troughs high demand**

Designed for fast fitting large troughs with its unique camlock compatible outlet. Suitable for all trough sizes where a convenient water supply is required.

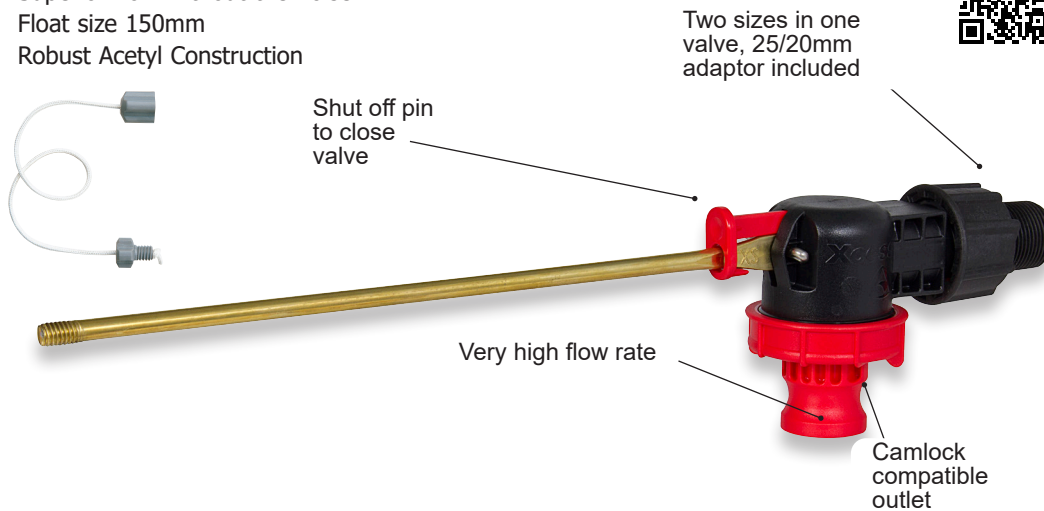
- Very high flow rate for high demand
- Pressure range 0 – 1,200 kPa
- 500 l/min at 1200 kPa
- 25mm inlet
- 25/20mm blue adaptor included for 20mm inlet
- Camlock compatible (see below)
- Divergent nozzle for quiet operation
- No tools required for servicing
- Cord and nipple included
- Plunger is removable without removing arm
- Arm can be locked shut to stop flow - to clean troughs or to fit camlock
- Superior flow without the noise
- Float size 150mm
- Robust Acetyl Construction



**COLOUR CODE  
RED**



Service in seconds  
Without the need to  
remove the arm. No  
tools required!



How to  
install the  
Camlock kit

AXS25/20	Xcess Standard	25/20mm
AXSLT25/20	Xcess Long Tail	25/20mm
AXS-KIT	Includes 20mm Camlock, 20mm ANKA male elbow, 20mm ANKA male straight coupling, 3 metres of UV resistant flexible hose	

### XCESS SPARE PARTS

RKXS	Xcess Service Kit- Contains Plunger/o-ring, Seat Washer, Flow enhancing ring, Camlock Cap
SP80	Spare Arm

**Unique Camlock compatible outlet allows for convenient water supply for many jobs around the farm**

**CAMLOCK KIT**

Camlock Compatibility :  
Top entry troughs or  
minimum clearance from  
trough to bottom 150mm

Portable troughs  
for break (strip)  
feeding systems

Sprinkler or small  
irrigation system  
NOTE: requires  
280kPa/40psi

Wash down  
equipment

Filling spray tank



Code	Description	Size
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**APEX ULTRAFLO 25/20MM  
FULL FLOW TROUGH VALVE**

**Application: Large troughs high demand**

Designed for fast fitting large troughs.

- Very high flow rate for high demand
- Pressure range 0 – 1,200 kPa
- 440 l/min at 1200 kPa
- 25mm inlet
- 25/20mm black adaptor included for 20mm inlet
- No tools required for servicing
- Cord and nipple included
- Plunger is removable without removing arm
- Float size 150mm
- Robust Acetyl Construction

AUF25/20

25/20mm



**APEX ULTRAFLO SERVICE KIT**

Plunger o-ring, washer & silicone grease for use with Apex Ultraflo.

RKUF  
SP80

25 and 20mm  
Spare Arm

SECTION 6

**TROUGH & RESERVOIR VALVES  
& RELATED PRODUCTS**



**APEX VALVES**  
**Xcess**<sup>®</sup>  
FULL FLOW TROUGH VALVE

Connect to a camlock kit for:

- Breakfeeding*
- Filling spray tank*
- Washing equipment / fire fighting*



**APEX VALVES**  
**XtraFlo**<sup>®</sup>





Code Description Size

**APEX XTRAFLO TROUGH VALVE**

**Application: Large troughs high demand**

- Compact robust armless diaphragm trough valve.
- Full-flow operation, the pump runs unrestricted until trough is full.
- Easy to service with only 3 internal moving parts
- Pressure range 4 psi – 175 psi (30-1,200kPa)
- Patented self cleaning mechanism to minimise blockages
- Every valve factory tested
- Manufactured from incredibly tough UV and corrosion resistant material
- Longtail version available for plastic and thin wall tanks
- 30mm differential between opening and closing (reducing pump motor overload)
- Designed and made in NZ for NZ conditions
- All materials AS4020 approved (water quality standard)
- Closed is completely closed, NO dribbling
- True Armless Design less prone to stock damage
- Bottom, side or top mount



Standard Fitting

**XTRAFLO FULL FLOW - 2 SIZES IN ONE**

AXXF2520 25/20mm  
Contains a 25/20mm adaptor for a 20mm inlet.



**XTRAFLO STANDARD FITTING**

AXXF20 20mm 20 & 25mm standard to be superseded by AXF2520  
AXXF25 25mm  
AXXF32 32mm

**XTRAFLO LONGTAIL (FOR THIN WALL TANKS)**

AXXFLT20 20mm  
AXXFLT25 25mm



**XTRAFLO TOP ENTRY**

AXXFTE20 20mm  
AXXFTE25 25mm  
AXXFTE32 32mm



**XTRAFLO LONG TAIL TOP ENTRY**

AXXFLTTE20 20mm  
AXFTEK Top Entry Conversion Kit



Code Description Size

**XTRAFLO SPARE PARTS**



AXFILTER20



AXFILTER25



AXFILTER32



AXFF



ATM



RKXF



PXFD



PXFDLP



**COLOUR CODE**  
**BLUE**

**XTRAFLO REPAIR KITS**

**RKXF** XtraFlo Repair Kit  
Contains: Diaphragms, Backing Plates (new & old models), Jet, Lever and Spindle, Spring Cotter Pin  
Note: Suits old & new versions of XtraFlo® valves.

**XTRAFLO SPARE PARTS**

AXFF	Float includes cord & socket Equivalent to 150mm (6") buoyancy float
AXFILTER20	Filter 20mm
AXFILTER25	Filter 25mm
AXFILTER32	Filter 32mm
PXFD	Diaphragm for XtraFlo Trough Valve
PXFDLP	Diaphragm for Low Pressure XtraFlo Trough Valve
ATM	Trough Mate

Code Description Size

**FULL FLOW (AP) - ACETYL TROUGH VALVE**

*Economy Acetyl sleeve valve - full flow design for fast filling large troughs.*

**Application: Medium to large troughs**

- Working pressure: 0 – 1,200 kPa (170 psi)
- Flow rate @ 600kPa (87psi) 218 litres/min
- Minimum Temperature 1°
- Maximum Water Temperature 60°
- Float size: 150mm (not included)



AP15	Standard with cord	15mm
APT15	Standard no cord	15mm
AP20/25	AP Standard Fitting	20/25mm

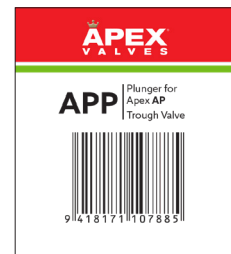
**20/25mm bush (included) for 25mm inlet**

AP20LC	AP Long Tail	20mm
APT20SA	Short Arm No cord	20mm
AP25LC	AP Long Tail	25mm

**AP SPARE PARTS**

AAT	Spare Arm Long	350mm
AAM	Spare Arm Medium	240mm
AAS	Spare Arm Short	195mm
AATB	Spare Arm Bent	270mm
AOR	O-Ring	
ASW	Washer	
APP	Plunger black	
PAP02	Body bare for old style 20mm AP/APT	
PAP02/25	Body Bare for old style 25mm AP/APT	
PAP05	Seat Cap & Washer	

RKAP	Service Kit	
	Contains Plunger Black, "O" Ring, Washer, Cotter Pin, Plunger Lubricant	



**COLOUR CODE  
GREEN**

**FULL FLOW (AB) - BRASS TROUGH VALVE**

*Robust brass sleeve valve - full flow design for fast filling medium to large troughs and high pressure applications up to 175 psi (1,200 kpa)*

**Application: Medium to large troughs**

- Working pressure: 0 – 1,200 kPa (170 psi)
- Flow rate @ 600kPa (87psi) 218 litres/min
- Float size: 150mm (not included)
- Minimum Temperature 1°
- Maximum Water Temperature 60°

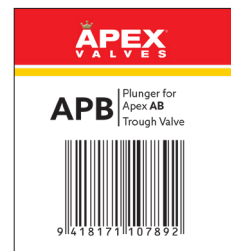


ABC20	AB Trough Valve	20/25mm
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**AB SPARE PARTS**

AAT	Spare Arm Long	350mm
AAS	Spare Arm Short	195mm
AATB	Spare Arm Bent	270mm
AOR	O-Ring (spare part)	
ASW	Washer (spare part)	
APB	Plunger Grey	
PAP05	Seat Cap & Washer	

RKAB	Service Kit	
	Contains Plunger Grey, "O" Ring, Washer, Cotter Pin, Plunger lubricant	



**COLOUR CODE  
YELLOW**

Code

Description

Size



AAT



AAS



AATB



AOR



SP92



ASW



APP



APB



PAP02



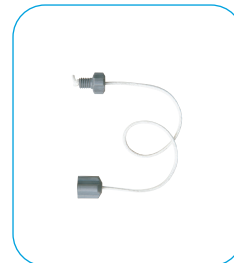
PAP02/25



PAP05



RKAB



SP82



SP84



RKAP

**SPARE PARTS AP/AB**

SP82	Cord and nipple
SP84	Twin Float Adaptor
SP92	Stainless Steel Cotter Pin - 4mm



Code Description Size

**72 20/25 - FULL FLOW BRASS TROUGH VALVE**

*New Zealand's No. 1 selling brass trough valve. Robust brass sleeve valve - full flow design for fast filling medium to large troughs.*

**Application: Medium to large troughs**

- Working pressure: 0 – 1,000 kPa (150 psi)
- Flow rate @ 600kPa (87psi) 203 litres/min
- Float size: 150mm (not included)
- Minimum Temperature 1°
- Maximum Water Temperature 60°
- 20mm Inlet
- 20/25mm bush included for 25mm inlet

Please note: 72 Full Flow = 69 Full Flow + Cord & Nipple



F7220/25 F72 Trough Valve 20/25mm

**72 SPARE PARTS**

SP77	Arm	315mm
SP77B	Arm for F69 - Bent	240mm
SP78	Arm for F72 with cord and nipple	
SP83	O-Ring	
SP88	Washer	
SP83	O'Ring	
SP84	Twin Float Adaptor	
SP87	Plunger c/w O'Ring (white)	
SP88	Valve Seat Washer 20mm	
SP92	Stainless Steel Cotter Pin - 4mm	
P6905V	F69/72 Seat Cap & Washer	
P6905BC	Body Cap for F69/72	
RK6972	Service Kit for F69/72 Trough Valve - Contains - Plunger White &"O" Ring, Washer, Cotter Pin, plunger lubricant.	



**COLOUR CODE  
ORANGE**

**SPARE PARTS F72/69**



SP77



SP77B



SP78



SP83



SP87



SP88



P6905V



P6905BC



RK6972



RPG2

## SECTION 6

Code	Description	Size
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### HILO BRASS TROUGH VALVE (COMMONLY REFERRED TO AS 220 OR 225)

*Durable brass, plunger activated valve. Has removable brass valve seat for lower pressures.*

- Working pressure: With seat: 0-1,000 kPa (150 psi) -Without seat: 0 – 700 kPa (100psi)
- Flow rate @ 600kPa (87psi) 39 litres/min (seat removed) -10 litres/min (with seat)
- Float size: 115mm or 150mm (not included)

### 225 HILO BRASS TROUGH VALVE WITH CORD AND NIPPLE

22515	HiLo Brass Trough Valve	15mm
22520	HiLo Brass Trough Valve	20mm



### 225 HILO BRASS TROUGH VALVE SHORT ARM WITH CORD AND NIPPLE

22520R	HiLo Brass Trough Valve	
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### 220 HILO BRASS TROUGH VALVE BENT ARM BOTTOM ENTRY

22015BA	HiLo Brass Trough Valve	15mm
22020BA	HiLo Brass Trough Valve	20mm

### 220 HILO TROUGH VALVE THREADED ARM, STAINLESS STEEL SEAT

22015S	HiLo Brass Trough Valve	15mm
22020S	HiLo Brass Trough Valve	20mm

### HILO SPARE PARTS

SP79	Arm	260mm
SP79B	Arm Bent	180mm
SP81	Arm with Cord and Nipple	250mm
SP95	Short Arm	220mm
SP96	Extra Short Arm	185mm
SP82	Cord and Nipple	
SP85	Plastic Plunger	15mm
SP94	Plastic Plunger (Old Style)	20mm
SP89	Seat Washer	15mm
SP90	Seat Washer (old style)	20mm
SP92	Stainless Steel Cotter Pin	4mm
SP93	Brass Jet	
SP93SS	Stainless Steel Jet	



**COLOUR CODE**  
**GREY**

PBN15	Back Nut	15mm
PBN20	Back Nut	20mm
PBN25	Back Nut	5mm

PBNW15	Back Nut Washer	15mm
PBNW20	Back Nut Washer 20mm	20mm
PBNW25	Back Nut Washer 25mm	25mm

RKHL      Service Kit for High/Low Trough Valve  
Contains Plunger with Washer, Cotter Pin and Brass nipple, plunger lubricant

### HILO PLASTIC TROUGH VALVE

*Ideally suited for troughs with confined inlet compartments*

- Supplied with high pressure seat fitted (up to 1400 kPa [200psi] working pressure).
- With seat removed, the valve is suitable for low to medium pressure (up to 500 kPa [70psi] working pressure).

220P15	Without cord	15mm
220P20	Without cord	20mm
220P25	Without cord	25mm



Code Description Size

**HILO SPARE PARTS**



SP79



SP79B



SP81



SP95



SP96



SP82



SP85



SP94



SP89



SP90



SP92



SP93



SP93SS



PBN



PBNW



RKHL



BF115



BF150



BFO115



BFO150



## SECTION 6

Code Description Size

### POLYPROPYLENE BALL FLOATS

- UV stabilised
- Acetyl thread insert
- 5/16" BSW Thread
- Maximum temperature 60°C
- 36 per carton



**For use with the Hilo trough valve**

BF115	115mm (4") Black
BFO115	115mm (4") Orange

**150mm Ball Float is recommended for use with all Full Flow Trough Valves**

**AB, AP, 72, Xcess**

BF150	150mm (6") Black
BFO150	150mm (6") Orange

### PLUMBERS GREASE

For lubricating plungers

RPG2	59ml
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### SPACE SAVER TROUGH VALVE

**COMPACT ACETYL FOR SMALL INDIVIDUAL TROUGHS AND DRINKERS**

- Non corrosive materials
- Ideal for Hydroponics
- Working pressure: 0 - 850 kPa (120 psi)

SS15	Space Saver	15mm
SS20	Space Saver	20mm

SSF	Float
RKSS	Service Kit includes plunger, washer and clip.



### RESERVOIR VALVE

**Large Acetyl Sleeve Valve, for reservoirs and large tanks**

- High Volume flow valve
- Supplied with two 150mm floats and twin float connector
- Working pressures: 1 float 0 - 550 kPa (80 psi)
- 2 float 0 - 850 kPa (120 psi)
- Maximum temperature 60°
- Minimum temperature 1°

ARV32	32mm
ARV40	40mm
ARV50	50mm

**(for pump fed tanks use Dual level or Pump Buddy valves)**

RKRES	Service Kit Includes White Plunger with 'O' Ring, Cotter Pin, 2 Adaptor Bushes, Red Tag, Flat Washer, Damper ring
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PRESLKA	Lever Kit with arm Includes Long 9.2mm adjusting Reservoir Arm, Reservoir Lever, Arm bolt, 2 Adaptor Bushes, Cotter Pin Red tag
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PRESLK	Lever Kit as above excludes arm.
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Code Description Size

**DUAL LEVEL RESERVOIR VALVE WITH DUAL ARMS**

*Large Acetyl Sleeve valve, for large storage tanks and reservoirs*

- Pump runs unrestricted until tank is full
- Adjustable minimum and maximum water levels.
- Supplied with two 150mm floats and twin float connector
- Fully adjustable to allow water level to fall between 65 and 270 mm before opening.
- Reduces pump motor overload.
- Working pressure: 0 - 700 kPa (100 psi)
- Maximum temperature 60°
- Minimum temperature 1°



ARVD32	32mm
ARVD40	40mm
ARVD50	50mm

RKRESDL	Service Kit Includes Grey Plunger with 'O' Ring, Cotter Pin, 2 Adaptor Bushes, Red Tag, Flat Washer
PRESDLLKA	Dual Level Kit With Arm Short 9.2mm Reservoir Dual Level Arm includes Reservoir Fixed Arm, Reservoir dual level lever, Reservoir arm bolt, 2 Adaptor Bushes, Cotter Pin, Red tag
PRESDLLK	Dual level kit as above but excludes arm.
PRES16FA	Arm Fixed



SSF



RKSS



RKRES



PRESLKA



PRESLK



RKRESDL



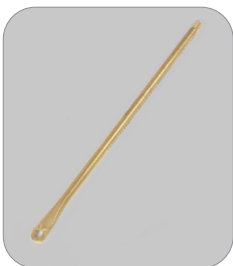
PRESDLLKA



PRESDLLK



PRES16FA



PRES16ADJ



RKPB



BF150



BFO115



BFO150

## SECTION 6

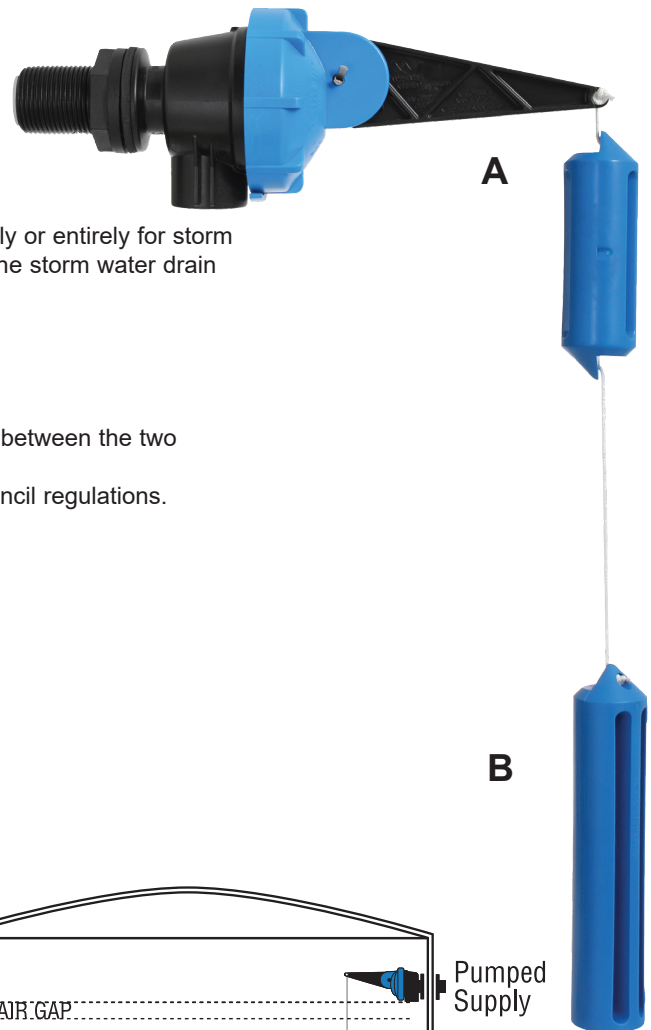
Code Description Size

### PUMP BUDDY

*For Pump filled Tanks, high volume water inlet control device.*

The Pump Buddy valve is an inlet control device which allows for variable minimum and maximum water level settings with a water tank. The maximum level is set up by adjusting the top weight cord (A). The minimum water level is set by adjusting the length of cord between the two weights (B). This results in fewer pump cycles, a reduction in electricity costs and helps prolong the life of the pump.

- Variable adjustment between minimum and maximum water levels.
- Reduces pump run time (saves electricity)
- Increases pump life
- Minimum inlet pressure 55kPa (8psi)
- Maximum inlet pressure 1200kPa (175psi)
- Maximum water temperature 60°C
- Pumped water supply connection only.
- Not to be connected to a mains water supply.
- The PumpBuddy® valve MUST NOT be fitted to tanks used partially or entirely for storm water detention. (Detention is the slow release of water run-off to the storm water drain during and after rainfall events)
- Do not restrict inlet water flow.
- Not to be modified.
- Valve must be installed horizontally.
- The maximum level is set by adjusting the top weight cord (A).
- The minimum water level is set by adjusting the length of the cord between the two weights (B).
- Valve installation must be in accordance with local bylaws and council regulations.



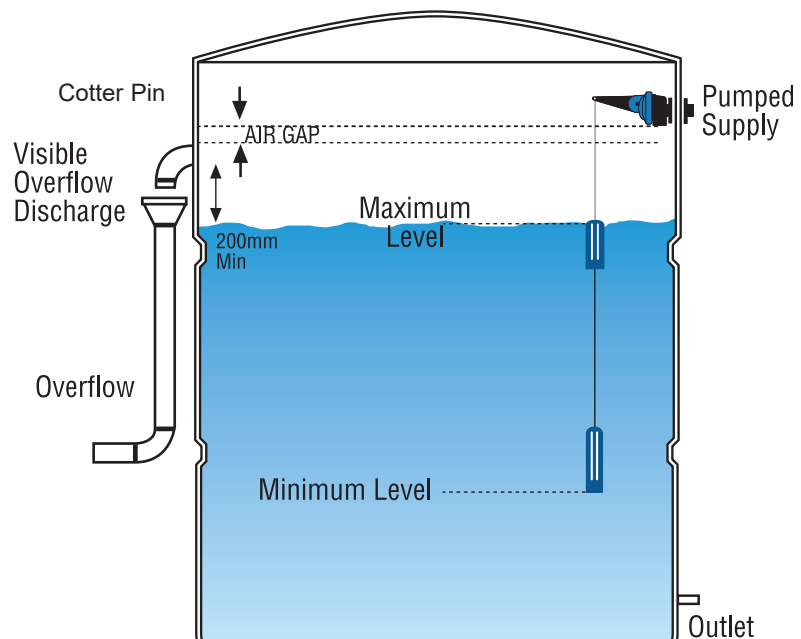
### PUMP BUDDY STANDARD FITTING

PB20	20mm (3/4" BSP)
PB25	25mm (1" BSP)
PB32	32mm (1 1/4" BSP)

### PUMP BUDDY LONG TAIL

PB20LT	20mm (3/4" BSP)
PB25LT	25mm (1" BSP)

PBRK	Service Kit Includes: Diaphragm (Black) Jet Backing plates Spring
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Code Description Size

**BIG BOY**  
**DIAPHRAGM RESERVOIR VALVE COMBINED SINGLE & DUAL LEVEL**

1. 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.
2. 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
3. Rain Harvesting - as a back up water supply control valve, providing a backup supply of water in the event of demand exceeding rainfall.

**SOFT CLOSING NO WATER HAMMER**

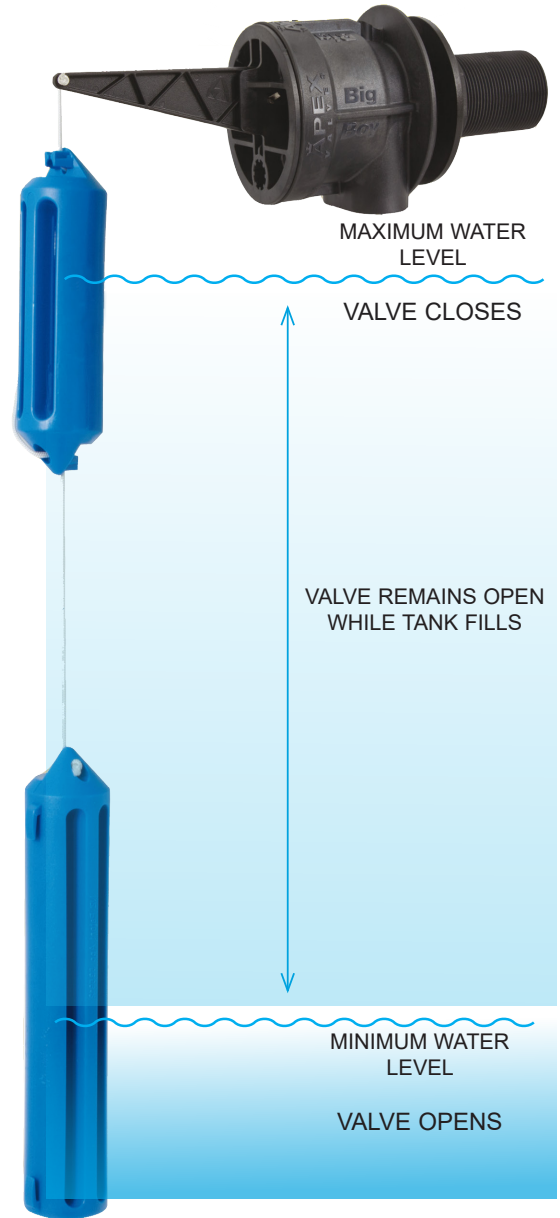
Extremely high volume water inlet control device

- 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 clipping both weights close together)
- Long tail for installation into thin wall plastic tanks
- Diaphragm activated- Full Flow Valve
- Patented self cleaning mechanism to minimise blockages
- Pressure range: 15kPa – 1200 kPa (2PSI – 175PSI)
- Sizes: 32, 40 and 50 mm Long Tail (1 1/4", 1 1/2" and 2")
- Very high flow rates
- Temperature range: 1° - 60°C

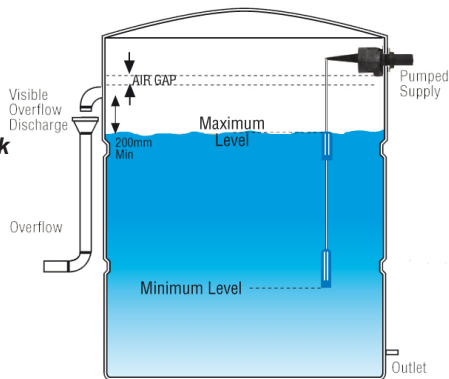
BB32	Long Tail	32mm (1 1/4" BSP) inlet.
BB40	Long Tail	40mm (1 1/2" BSP) inlet.
BB50	Long Tail	50mm (2" BSP) inlet

RKBB Repair Kit includes Diaphragm and Jet centre

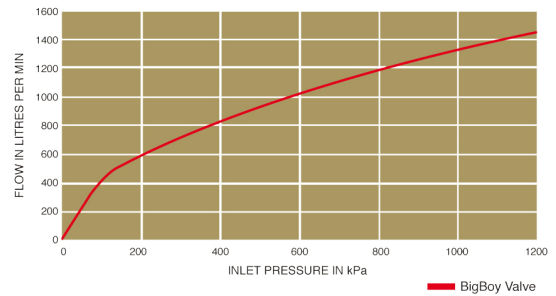
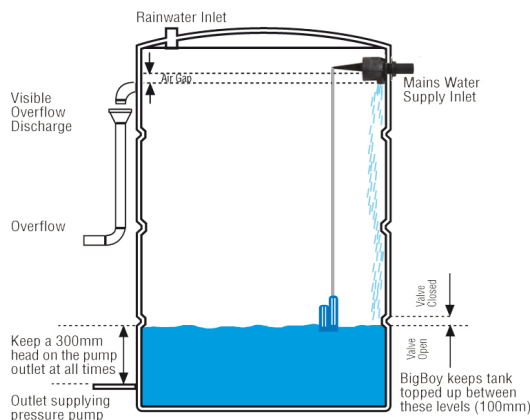
**DUAL LEVEL SET UP**



**Dual Level Pump Fed Storage Tank**



**Rain Harvesting Single Level**





Code                      Description                      Size

**VISIBALL**

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

- Adjust to any watertank roof angle
- Uni-Ball adjusts to any water tank roof angle.
- Suitable for all tank types, concrete, plastic, fibreglass, wooden.
- Manufactured from UV resistant premium quality materials.
- Spare extensions/tubes available (1 Metre)
- Only one 20mm hole needs to be drilled.

**SPECIFICATIONS:**

- Stainless Steel Tube 2 m, Bottom Float 150mm , Top Float 115 mm
- Manufactured from UV resistant, quality materials
- Additional 1 m extensions available , (sold with twin float connector and female socket)
- Maximum Windspeed @ 2 m = 120km/hr
- Maximum Windspeed @ 3 m = 80km/hr
- 2 x 150mm bottom floats needed for 3 m height

**INSTALLATION:**

- Tube must be vertical
- Maximum height 3 metres

AVB                      VisiBall  
AVBE                      VisiBall Extension Tube



**Adjustable to any  
roof angle**



Code Description Size

**RAINAID**

**Backup water supply control valve for rainwater collection**

The RainAid® (“RA20”) valve is designed to be connected to a mains water supply on a rainwater retention tank. It will provide a backup supply of water in the event of demand exceeding rain supply, whilst ensuring maximum rainwater storage at the next rainfall.

- Under normal conditions, rain water will fill the tank. If the rainwater level drops below a pre-set level, the RainAid® will open to maintain the water level using mains water.
- The rainwater tank is used to supply water to non potable outlets such as toilets, laundry and garden.
- There is a 100mm differential between the open and closed positions of the RainAid® valve.
- Cold mains pressure water connection.
- Maximum temperature: 60°C.
- Minimum temperature: 1°C.
- Supplied with inlet strainer.

RA20 Rain Aid  
RA2L Rain Aid 2L Min

**The RainAid2L® (“RA2L”) is identical in application and operating principle to the RA20 but is internally restricted to 2 l/min as required by Sydney Water**

RKRA Rain Aid Service Kit



	RA20	RA2L
Inlet	3/4" BSP (male)	1/2" BSP (male)
Outlet	N/A	1/4" BSP (male)
Max inlet pressure	1200 kPa (175psi)	1200 kPa (175psi)
Min inlet pressure	55 kPa (8psi)	100 kPa (15psi)
Strainer	Integral Filter	Watermarked brass Y strainer

**RainAid ctd**

- Fill valve MUST NOT be fitted to tanks used partially or entirely for storm water detention. (Detention is the slow release of water run-off to the storm water drain during and after rainfall events).
- Valve must be installed with the brass Y strainer supplied (RA2L only)
- Do not restrict inlet water flow.
- Not to be modified.
- Valve must be installed horizontally.
- Overflow discharge must be visible.
- Overflow and air gap to comply with local standards (air gap of 3 x mains water inlet pipe diameter - 55mm - complies with AS/NZS 3500.1)
- The minimum water level (L) is easily set at any height during installation by adjusting the cord length.
- Cord must hang freely.
- Failure to affix label, supplied with the valve, near the visible overflow discharge will void Warranty.

## SECTION 6

Code	Description	Size
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### **Important Legal Notice**

Overflow discharge must be visible. If overflow is discharging when there is no rainfall, isolate water supply and call a plumber immediately. This discharge comes from your metered water supply. Water loss is NOT covered by the manufacturers warranty.

The valve is a mechanical water shut-off device which requires periodic maintenance.  
P.T.O for more legal notices.

### **RainAid ctd**

Every 6 months, check that the valve functions correctly. Gently push the lever down. When the valve opens, release the lever. When the weight is submerged, the valve should close. If the valve fails to shut off completely, it may be necessary to clean, service or replace it.

Warranty is limited to any fault found in a valve due to poor workmanship or materials that is returned to Apex Valves Ltd within 2 years from the date of manufacture.

### **Servicing**

- Servicing is not likely to be required if the valve is fitted to a mains water supply.
- Trough-Mate spanner is available for disassembling the valve for servicing if this is required.
- Servicing details are provided on the packaging.
- The Y strainer (supplied with RA2L only) should be cleaned periodically

### **RAINAID TRICKLE FEED**

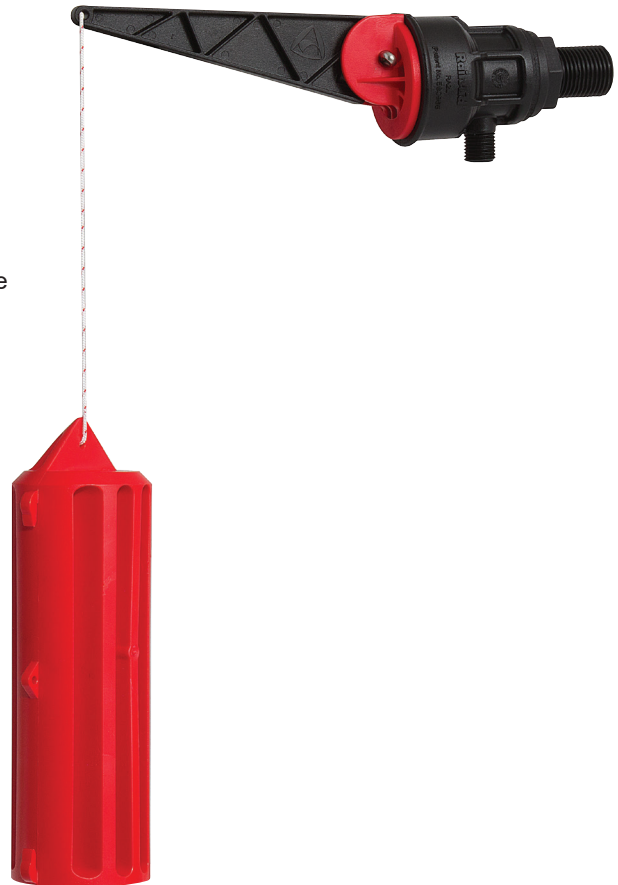
#### **Backup water supply control valve for rainwater collection**

Designed to be connected to a trickle feed mains water supply on a rainwater collection tank. It will provide a backup supply of water in the event of demand exceeding rainfall..

- Features & Benefits:
- AS4020 approved materials
- Compact
- Integral tank connector
- No electrical connections required
- Simple water level adjustment
- Working pressure: 0 - 1200 kPa (175 psi)
- Maximum temperature: 60°C
- Minimum temperature: 1°C

RATF

15mm, 1/2" BSP





Code                      Description                      Size

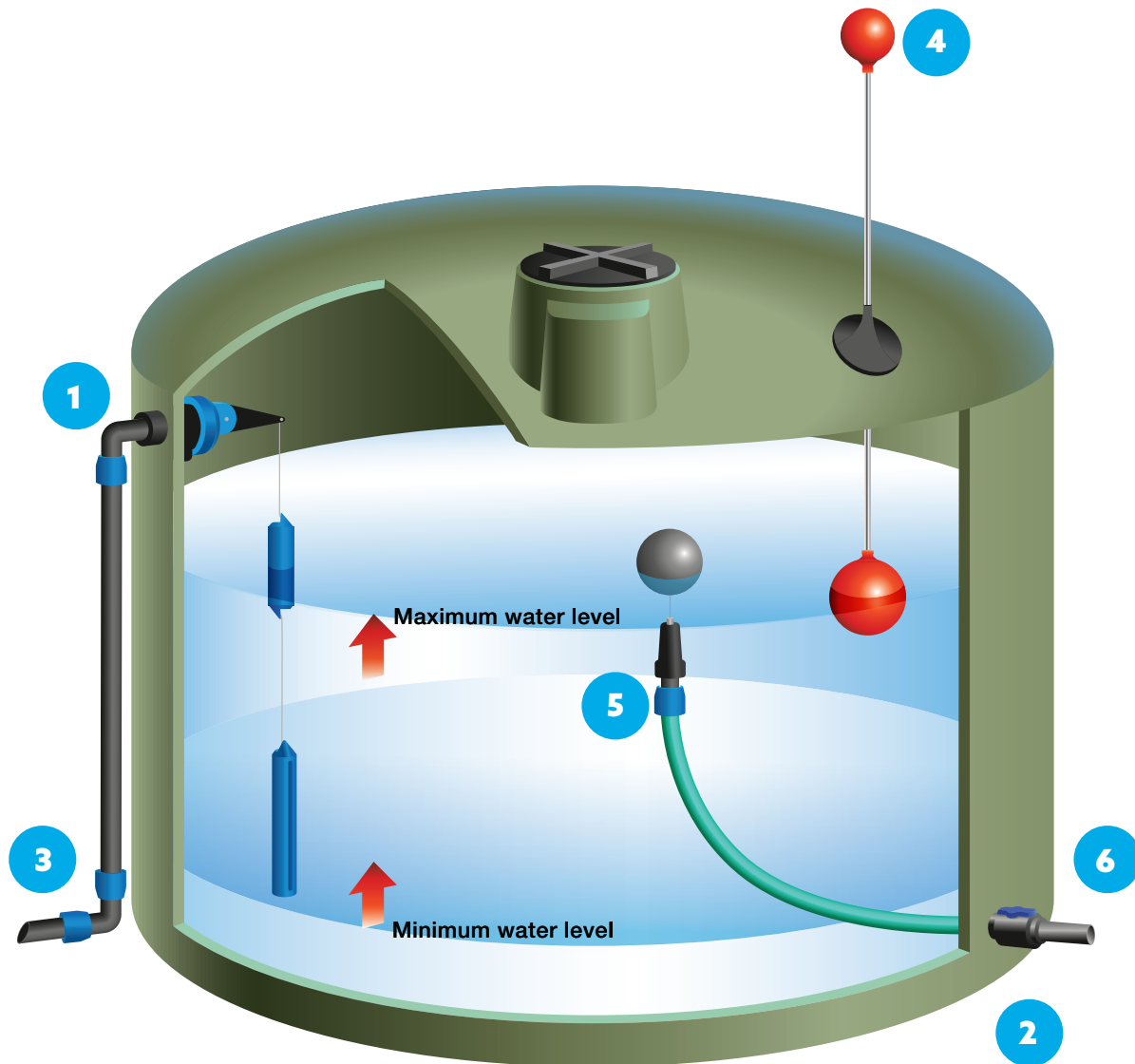
**APEX TANKBUDDY - FLOATING TANK OUTLET**

Includes 2.5 metre 32mm hose

Install in storage tanks/reservoirs to ensure clean water to the outlet. TankBuddy provides the freshest water to be drawn out of the tank with minimum need for servicing or maintenance.

Clean water - water is drawn from the top of the tank  
Reduce the risk of drawing contaminated water or sediment  
NB. Modifying the product may restrict water flow and/or restrict performance

ATB32    32mm



- 1 INLET VALVES      2 WATER LEVEL      3 FLOATING TANK INLET
- 4 BALL VALVES      5 PIPE FITTINGS      6 TANK FITTINGS

## SECTION 6

Code	Description	Size
<b>APEX TROUGH FILLER - STAINLESS STEEL</b>		
TFS20	Short	20mm/length 600mm
TFL20	Long	20mm/length 800mm
TFS25	Short	25mm
TFL25	Long	25mm
TFA	Brass M&F Adaptor	20mm
TFA25	Brass M&F Adaptor	25mm
TFA20SS	Trough SSI - adaptor	20mm



<b>TROUGH FILLER - GALVANISED</b>		
GTF20	Long Galvanised	20mm
GTF25	Long Galvanised	25mm
GTF32	Long Galvanised	32mm



<b>WATER TROUGH CONNECTOR</b>	
100 psi Max	
PWTC	Portable Connector
PWTCSP	Spare Parts



### GOAT THROAT PUMP

- One pump - suitable for 5 litre - 210 litre containers
- Wide chemical compatibility
- Flow rate up to 20LPM, depending on viscosity
- Only three working parts
- Built-in pressure relief valve
- Maximum recommended operating pressure 5 psi (34kPa)

Suitable for decanting of most farm and agricultural chemicals including:

- Liquid Fertilisers
- Insecticides
- Herbicides such as Glyphosate and MCPA
- Fungicides
- Diesel
- Hydraulic and Motor Oils



GTPB	Blue Pump with EPDM Seals
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Code	Description	Size
<b>ANKA TANK FITTING</b>		
ABTF20		20mm
ABTF25		25mm
ATF20		20mm
ATF25		25mm
<b>GUYCO TANK FITTING FEMALE BLACK</b>		
GUFTFT15		15mm
GUFTFT20		20mm
GUFTFT25		25mm
GUFTFT32		32mm
GUFTFT40		40mm
GUFTFT50		50mm

