

Plumbing Solutions for Agriculture and Irrigation Applications



ANKA® Series The ANKA Series farm-tough line includes high quality glass-filled nylon pipe fittings, quick connect fittings, and an array of fittings for high pressure agricultural and horticultural applications.



ANKA® Series

A Series Pipe Fittings

Our pipe fittings have a unique patented design that connects to a large range of pipes and hoses due to the tapered design of the nut. Manufactured from high grade glass fiber reinforced nylon, these fittings are strong and lightweight. The fittings suit hose, pumping, irrigation, marine, hydroponics, plumbing, agriculture, landscaping, and industrial applications.

- Non-corrosive, made from extremely durable, high quality materials
- Fittings are re-usable and can be fitted without the use of tools



ACV Series Check Valves

Our check valves are made in New Zealand from high grade glass fiber reinforced nylon. Spring-loaded non-return check valves allow fluid to flow in one direction only, ideal for many applications, including; pumping, marine, irrigation, domestic, agricultural, and industrial.

- Spring Loaded ideal for installation at any angle
- Non-corrosive, made using high quality materials
- Can be taken apart for servicing



AFV Series Foot Valves

Our Foot Valves are made in New Zealand from high grade glass fiber reinforced nylon they are spring loaded, can be installed at any angle, and come with a removable filter screen. Foot valves are used at the suction end of pump lines to prevent loss of water. These foot valves are manufactured with a combination thread that allows connection to BSP thread as well as NPT thread. Applications include pumping, irrigation, and agriculture.

- Filter screen to avoid the intake of large debris
- Can be taken apart for servicing



ANKA® Series

QL Series Quick-Lock Couplings

Our quick-lock couplings are made in New Zealand from high grade glass reinforced nylon. These quick-action couplings are designed to be put together and taken apart in one easy twist action. Because the seal ring end is a consistent size, each coupling is interchangeable, allowing a wide range of configurations. Quick-lock couplings are used in farming, irrigation, and industry applications.



APU Series Pipe Unions

Our pipe unions are made in New Zealand from the high grade glass reinforced nylon and are designed so they can be used in place of traditional metal fittings, with the advantage of being non-corrosive.

- Can be taken apart for servicing
- Maximum pressure of 230 psi (1600 kPa)



AHN Series Hose Nozzles

Our hose nozzles are strong and robust, with a quick action on/off movement to a fully adjustable spray pattern. They provide very high flow rates to ensure a fast wash-down time. Applications include dairy parlor wash-down, plant equipment wash, yard wash-down, firefighting, horticulture and marine. Made in New Zealand using glass fiber reinforced nylon, ANKA hose nozzles offer high impact resistance.

- Uniquely designed outer ring for protection against high impact and excessive wear
- Quick action on/off for complete control
- Fully adjustable, wide spray pattern to a full bore flow



APEX® Series tank and trough valves are designed for use in the agriculture, irrigation, and rainwater harvesting industries. These farm-tough valves are easy to operate, fully serviceable, and UV balanced to prevent damage from ultraviolet rays. Recognized for their high quality, they are used around the world.



APEX® Series

BA Series BigAI® Differential Tank/Reservoir Valve

The BigAI valve is designed to handle high flow rates of up to 330 gal/min (1500 L/min) on high pressure, with adjustable water levels that increase pump life and save electricity. The BigAI valve allows for a single level or variable minimum and maximum water levels in pump-fed large storage tanks and reservoirs and in water mains and gravity-fed large storage tanks and reservoirs. For rainwater harvesting applications, it works as a backup water supply control valve, in the event that demand exceeds rainfall.

- Full on, full off
- Very high flow rate 330 gal/min (1500 L/min) at 174 psi (1200 kPa)
- Extremely high volume water inlet control device.
- Soft closing, no water hammer
- Long tail, no tank fittings (thin walled tanks)



PB Series PumpBuddy® Differential Tank Valve

The PumpBuddy valve is an outlet control device that allows variable minimum and maximum water level settings within a water tank when filling from a pump. For rainwater harvesting applications, it works as a backup water supply control valve, in the event demand exceeds rainfall.

- Adjustable water levels save electricity & increase pump life
- Full on, full off
- No float switches, no power required (pump requires pressure switch)
- Fewer parts mean fewer problems
- Long tail available, no tank fittings



XF Series XtraFlo Armless Diaphragm Trough Valve

The XtraFlo compact armless diaphragm valve has full-flow high volume fill with a water level differential between opening and closing reducing pump motor overload and electricity. The valve is livestock damage proof. For large troughs, this compact, armless diaphragm valve provides full-flow high volume fill and has a 1" water level differential between opening and closing, which allows full-flow operation meaning the pump runs unrestricted until the trough is full.

- Backflow prevention top entry version available
- Armless – Less damage from stock (excluding top entry version)
- Full on, full off
- Bottom, side or top mount
- Long tail and top entry version available
- UV stabilized and corrosion resistant



Top Entry Version
Air gap provides
back-flow prevention



XS Series Xcess Fast-fill Trough Valve

Xcess valve unique cam-lock compatible outlet allows for convenient ancillary water supply. The valve can be serviced by hand while in place without the need of any tools. The Xcess valve is designed for fast filling of large troughs. A unique camlock-compatible outlet allows for convenient water supply for many jobs around the farm.

- Highest flow rate of any 1" sleeve valve on the market for fast filling of high demand troughs 115 US gpm at 145 psi (450 l/min @ 1000 kPa) around the farm, including break feeding/strip grazing
- Valve comes with a shut-off pin to stop flow to allow for fitting of camlock or cleaning of trough
- Plunger can be removed within seconds without removing arm.



APEX® Series

UF Series

UltraFlo Sleeve Trough Valve

This full-flow valve is designed to handle large volumes of water to quickly fill large troughs. It can be serviced in place, without the use of tools. With fewer features, it is an economical alternative to the Xcess valve.

- Ultra high flow rate
- Made from UV stabilized material
- Plunger removable without removing brass arm
- Accommodates high demand from stock
- Easy servicing



220 Series

Medium Trough Valve

220P Valve is an acetyl, plunger activated valve for medium sized troughs. Barbed outlet to fit silencer tube for cistern applications and comes with removable seat for lower pressures. The 222P is a plastic high/low valve ideally suited to troughs with confined inlet compartments. For connection to a hose or silencer tube, it has a barbed outlet.

- Working pressure:

Low	0 – 70 psi (0 – 500 kPa)
High	0 – 200 psi (0 – 1400 kPa)
- Supplied with high pressure seat fitted (up to 200 psi (1400 kPa) working pressure)



20/25 Series

Acetyl Full Flow Sleeve Valve

This acetyl sleeve valve, with its full flow design, is used for filling medium troughs. It provides medium to high demand flow rates of 82 gal/min. This acetyl full flow valve is a cost effective alternative to a full flow brass valve.



VSB Series

Visi-Ball® Water Level Indicator

The Visi-Ball water level indicator is suitable for all tanks. Visi-Ball is a highly visible water level indicator for large water storage tanks and reservoirs. Utilizing an innovative uni-ball joint that will suit any tank installation regardless of roof pitch.

- Easily adjusted using the patented Uni-Ball joint
- High wind resistance and visible from long distances
- Spare extensions/tubes available (1 meter)



RA Series

RainAid® Rainwater Retention Tank Valve

RainAid valve is designed to be connected to a municipal water supply on a rainwater retention tank. It will provide a backup supply of water in the event of demand exceeding rain supply.

- The RainAid valve is fully adjustable allowing application in a wide range of reservoirs and tanks
- Under normal conditions, rain water 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 main's water
- The RainAid valve when set correctly prevents backflow



Flippen Float Valves Our float valves and related components are manufactured to deliver the highest levels of integrity, reliability, and price/performance. Our heavy duty service valves will provide you with float valve solutions that you can rely on for your particular needs.



Heavy Duty Float Valves

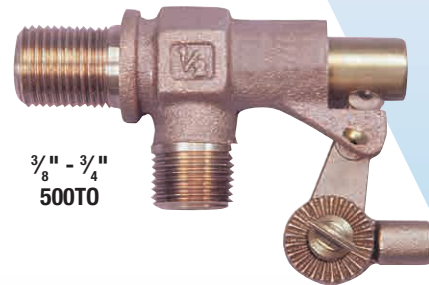
Series 375, 500, 750, 1000, 1250, 1500 and 2000

(Heavy Duty Mechanical Float Valves with Threaded or Non-Threaded Outlets)

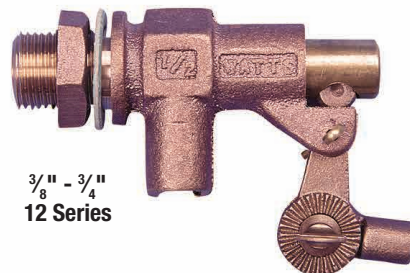
Heavy Duty Mechanical Float Valves are used in commercial, industrial, and agricultural applications for controlling high capacity water flow and can be tank wall-mounted. It has a bronze body construction with a machine flange on the inlet side (sizes 1" to 2"/25 to 50mm) have female NPT pipe threaded inlet connection), and male straight-pipe threaded for locknut on the outlet side. It has serrated arms for easy adjustment of water level, bronze long and short arms, replaceable seals, and no-jam single lever action. This series is ideal for use in air conditioning, refrigeration, and irrigation systems.

Maximum Pressure: 165 psi (11.4 bar).

For technical specifications refer to ES-HDV on watts.com.



$\frac{3}{8}$ " - $\frac{3}{4}$ "
500TO



$\frac{3}{8}$ " - $\frac{3}{4}$ "
12 Series

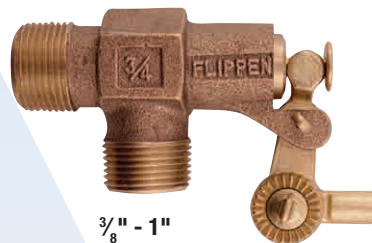


1" - 2"
1000

Standard Duty Float Valve

Standard Duty

Brass with threads on both ends.
(For other sizes consult factory.)



$\frac{3}{8}$ " - 1"
Threaded Outlet
ST500



$1\frac{1}{4}$ " - 2"
Non-Threaded Outlet
ST1000

Heavy Duty Stems and Adaptors

Stems

Brass with Threads on Both Ends

Heavy Duty Stems are available in 10" to 12" (250 to 300mm) lengths with threads on both ends. These stems are manufactured out of heavy duty brass.



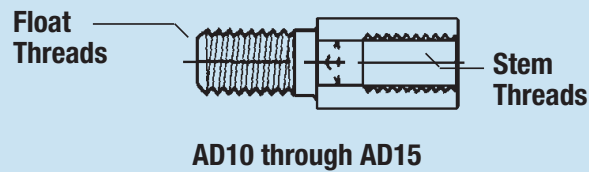
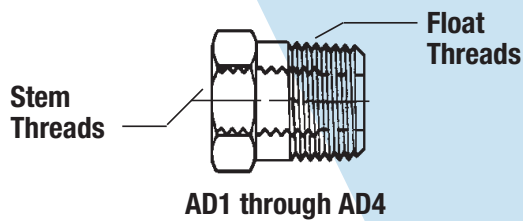
Nuzzle Assembly

For Exposed Cattle Watering Systems

Nuzzle Assemblies are designed for use on exposed cattle watering systems. Cattle can nuzzle the ball without harm to or activation of the valve. Assembly consists of thumb screw, hooks, swivel joint and stem, threaded at one end. Assembly is manufactured out of brass.



Thread Adaptors For Floats



Heavy Duty Floats

CX Series

Copper Heavy Duty Floats

Manufactured out of high grade copper construction and feature firmly bonded overlapping joints. (Lead Free Solder)



PX Series

Plastic Heavy Duty Floats

Non-electrolytic and highly corrosion resistant. These floats are ideal for use with salts and caustic fluids. All injection-molded polyethylene construction. Resistant to sunlight deterioration.



Automatic Livestock Watering Kits

Model RL600 1¼" MNPT

Threaded with ½" FNPT threaded inlet. Consists of RL600V, RL600SC and P6 float. For use on RUBBERMAID® brand livestock tanks. Model RL600 plus universal tank adaptor (Model UA600) for use in all livestock tanks.

- High capacity
- Easy installation
- Animal proof
- Resists freezing
- Durable



AP-112
Garden Hose Adaptor



UA600
Universal Tank Adaptor



RL600V
Nozzle and Arm
Assembly



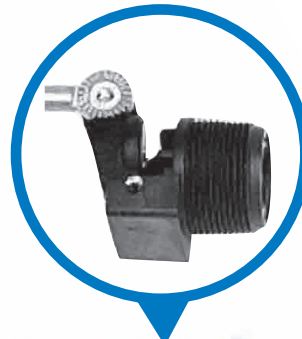
RL600A
Arm and Seat



RL600-SC
Stem and Chain
Assembly



Model RL600
Automatic Livestock
Watering Kit



For more information on Heavy Duty Vales & accessories, see F-FV on watts.com.

Watts Family of Brands

Watts designs, manufactures, and sells an extensive line of flow control, water safety, water filtration & treatment, drainage, and PEX plumbing products.

The Watts family of companies provides a single source for solutions used to safely convey, conserve, and manage water.

Making Watts your single source for plumbing-related solutions will streamline your operations, save you money, and reduce the variety of repair parts needed for maintenance.



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