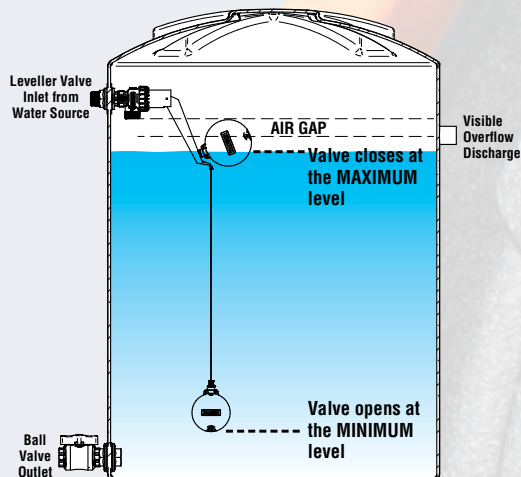


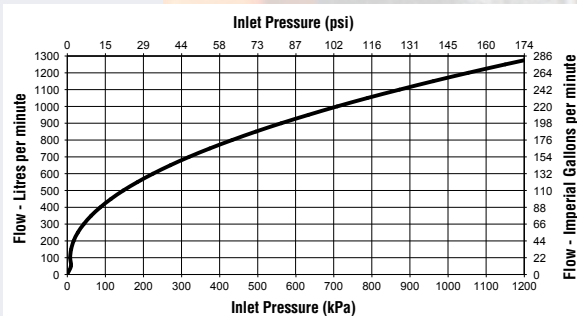
Technical Specifications

Hansen *Leveller Valve* Installer Guide



- The maximum level is set by the position of the top float on the valve arm - allowing for maximum use of the tanks height.
- The minimum water level is set by adjusting the length of the cord between the top float and bottom weighted ball.

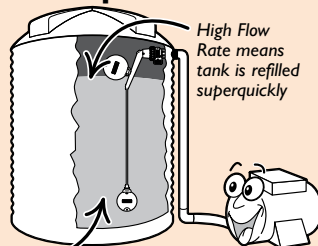
Hansen *Leveller Valve* Flow Chart



Protect Your Pump

✓ Lengthen Your Pumps Life

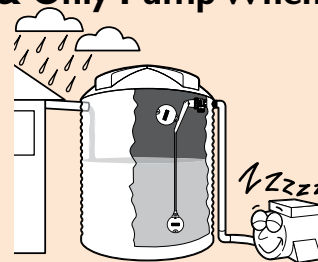
A well cared for pump is a happy pump! Adding the Hansen *Leveller Valve* to your System means the tank only refills when it gets low. No more on/off cycling of your pump equals less work, less pump maintenance and a more reliable system.



Pump only switches on when the tank is low

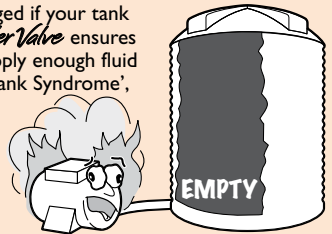
✓ Rain Harvest & Only Pump When You Need To

The Hansen *Leveller Valve* is the perfect choice for systems that combine Rain Harvesting with Supplementary Pumping from alternative sources. The Pump only ever needs to work when rain levels are low and the tank needs topping up.



✓ Prevent Dry Tank Syndrome

Pumps can be severely damaged if your tank runs dry! The Hansen *Leveller Valve* ensures that the pump can always supply enough fluid to the tank to prevent 'Dry Tank Syndrome', preventing significant repair costs as a result of a lack of supply.



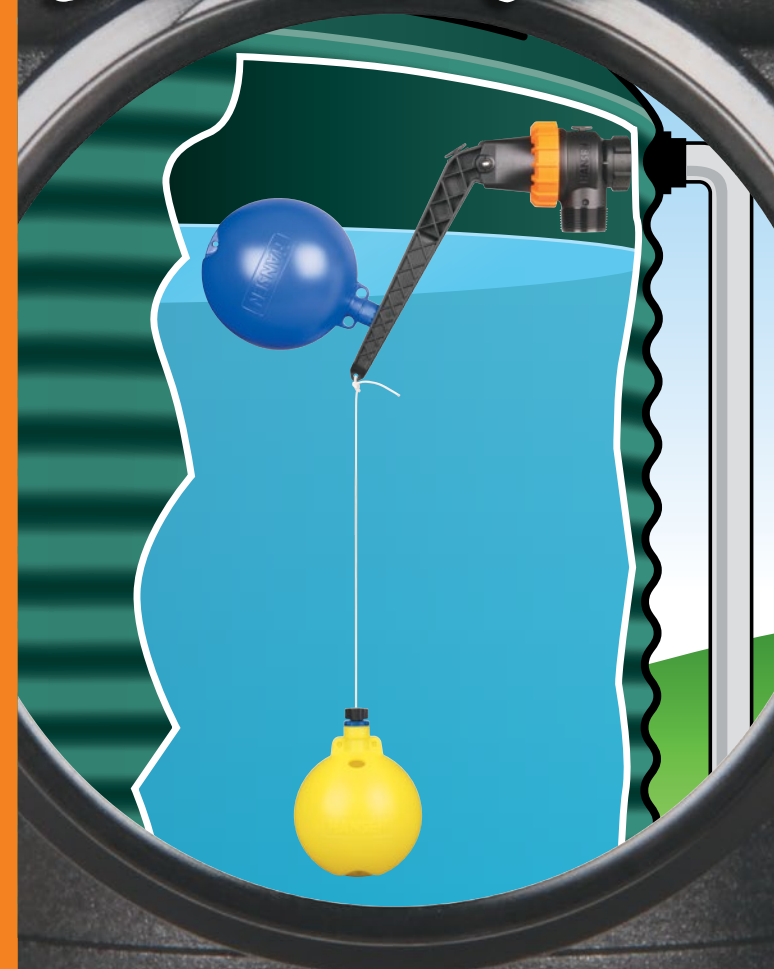
HANSEN PRODUCTS (NZ) LIMITED
 PO Box 809 • Whangarei • New Zealand
 P: +64 9 430 4140 F: +64 9 430 4141
 E: info@hansenproducts.com
 W: www.hansenproducts.com



Available From:

HANSEN™

Leveller Valve



HIGH PERFORMANCE RESERVOIR/TANK VALVE

www.hansenproducts.com

HDB139 1705

Best Installed Value

Hansen's Pipe Fittings and Valves have been working for New Zealanders for over 60 years and are winning a world market. It all started in the 1950's, Bert Hansen was building a house and couldn't find a reliable toilet valve, being an engineer he invented one and from there it all started.

The Hansen *Leveller Valve* has been designed for tank installations where a level differential is required to stop pumps and water systems cycling (continually switching on and off). The new design features a float and weighted ball that enables the user to set the valve to open at the minimum fluid level and close at the maximum fluid level.

The *Leveller Valve* features the Hansen diaphragm configuration with "Self Cleaning Pilot" which has been designed for soft open and close thus reducing water hammer and increasing pump and water systems life expectancy. The *Leveller Valve* has been designed to operate reliably in high and low pressures (0.2 bar - 12 bar) and in Clean and Dirty fluid conditions.

With over 60 years experience in manufacturing, Hansen Products knows the importance of fluid delivery, flow and pressure within a pipe system. This has seen Hansen Products build a reputation for providing high performance, easy to use, innovative simple products that provide our customers with "Best Installed Value".

All Hansen products carry our Limited Lifetime Warranty*

*For more information on our warranty, please visit www.hansenproducts.com/legal.htm

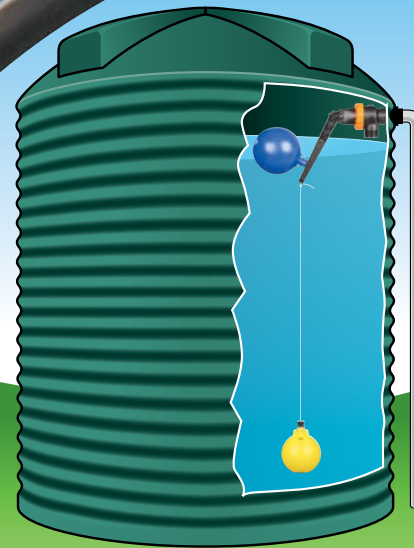
Features & Benefits

- High performance cost effective Reservoir/ Tank valve
- Adjustable Minimum and Maximum on off control (50mm - 2.5 metre)
- Suitable for High/Low pressures (0.2 bar - 12 bar)
- Delivers high volumes of water quickly with unrestrictive full flow (1275 lpm at 12 bar)
- Patent pending "self cleaning pilot" for use in clean/dirty water conditions.
- Soft open and close action preventing valve bounce and water hammer
- Strong compact design
- Threaded outlet for use with a diffuser tube, ideal for high flows, eliminating turbulence
- Punch out anti siphon holes for multi tank filing or diffuser installations
- Manufactured from strong, non corrosive UV stabilised materials
- Valve supplied with Complete Glass Fibre Reinforced Nylon valve body and 32, 40, 50mm Threaded Adaptors, Leveller Control, 115mm weighted HiViz Threaded Ball, 140mm Blue Threaded Float, 2.5 Metre Cord

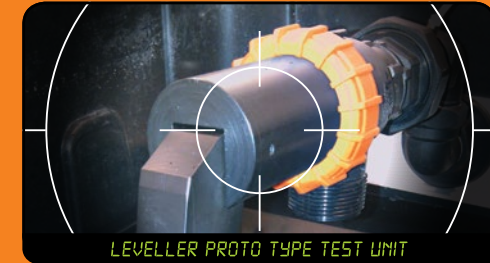
The Leveller Valve is protected by intellectual property rights owned by the Hansen group of companies in New Zealand and other countries, including New Zealand patent 596808 and registered design 415354, and Australian patent application 2012203015 and registered design 341444.



HANSEN *Leveller Valves*
are rigorously hand tested



No Smoke, No Mirrors, Just a Reliable Reservoir/ Tank Valve!



LEVELLER PROTO TYPE TEST UNIT

When Hansen re released the *HiFlo* trough and tank valves in 2010 the first comments our customers said were "These valves are fantastic! But when is Hansen going to manufacture a high performance reliable reservoir/tank valve?"

The answer we gave was, "we are currently developing a high performance reliable reservoir/tank valve and we will be releasing it in 2012."

Before starting the *Leveller* project we went back to our customers and asked them what they wanted in a valve and what were they unhappy about with the current products they used?

They told us that current products either stick open or closed, slam shut creating water hammer, don't work reliably in low pressure applications or in dirty water are too complicated or simply do not deliver high enough volumes of water.

The *Leveller* project has been a huge challenge for the R&D team. We needed to develop a valve that was reliable and simple, have an adjustable level control that could be set to open at the minimum setting and close at the maximum setting. When the valve opens and shuts it must do so softly. The valve also had to be capable of operation in very low/high pressures delivering high volumes of clean and or dirty water.

We believe we have addressed all of the issues that our customers told us, and we have added some extra new features to make it easy to install and operate.

- ✓ **Min and Max Height control**
- ✓ **Low and High pressure**
- ✓ **Clean and Dirty water**
- ✓ **Soft open and close**
- ✓ **Reliable, simple Reservoir/Tank Valve.**

Ponds & Reservoirs

Tanks