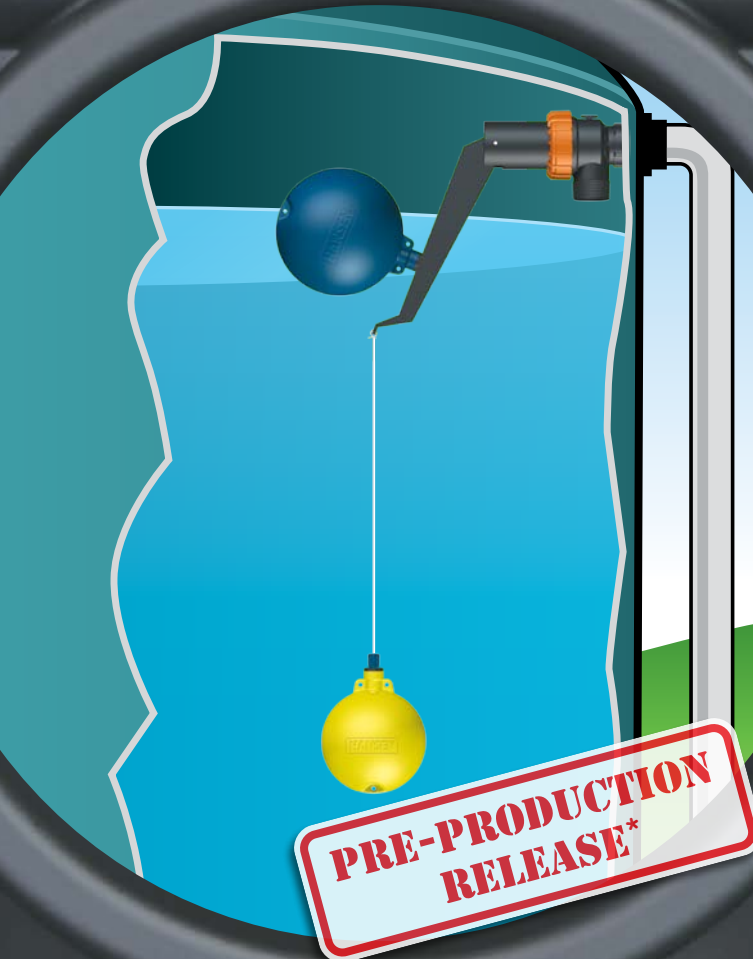


HANSEN[™]

Leveller Valve

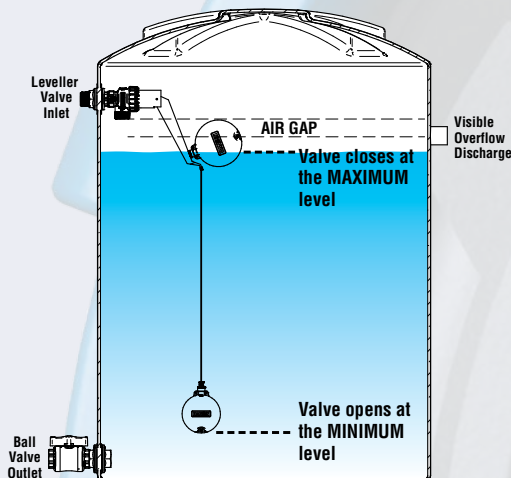


**HIGH PERFORMANCE
RESERVOIR/TANK VALVE**

www.hansenproducts.com

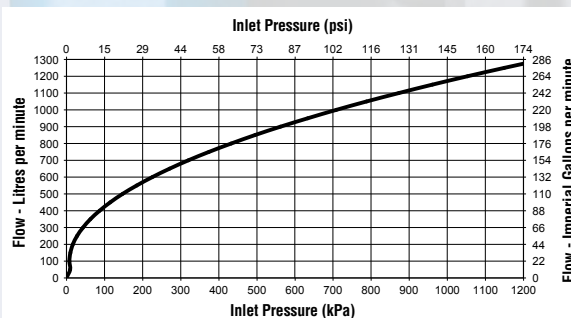
Technical Specifications

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



* Preproduction release, specifications may change

Frequently Asked Questions

- Q** I have noticed my pump switching on and off rapidly at times, will your *Leveller* Valve stop this?
- A** Yes, this is called cycling and can drastically reduce the life of your pump. The Hansen *Leveller* Valve is designed to control your pump safely by eliminating pump cycling and providing an adjustable water differential depth in your tank.
- Q** I only irrigate from my tank at night and have a timer on my bore pump. It will only fill my tank at night when I'm irrigating but I still find my bore pump is cycling when I'm irrigating. Will the Hansen *Leveller* Valve help in this situation?
- A** Yes, you will find the reservoir valve you are using at the moment is only supplying a flow close to your irrigation demand, with the Hansen *Leveller* Valve the flow delivery will be much higher and will allow your bore pump to run for less time as well as setting a differential in the tank to enable your pump to shut off for sensible periods.
- Q** In my dairy shed at peak water demand times I find my pump is cycling. As demand increases they run continuously and often cannot keep up, resulting in no water in troughs and other areas in my shed. Will your *Leveller* Valve fix this issue?
- A** Yes, as long as your pumps are sized correctly to cover your peak demand the Hansen *Leveller* Valve will help by delivering a much higher flow at a much lower pressure e.g. 400kPa (58 psi) = 772 lpm (170 gpm)
- Q** For years now I have had problems with filling my tanks as my water supply can get very dirty at times. I believe I have purchased every valve on the market and all have let me down at some point, will the Hansen *Leveller* Valve finally fix my problem.
- A** Yes, our range of *Hifo* Valves are designed to handle dirty water. With the Hansen *Leveller* Valve which is based on our diaphragm valves it is unique in that it has a pin that cleans the pilot hole in the diaphragm every time it opens and closes. In addition to that the gap between the diaphragm and the valve body when open is a huge 14mm further reducing potential blockages.

For further technical information including chemical & temperature specifications, please visit our website: www.hansenproducts.com

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HANSEN
 Best Installed Value

Available From:



Best Installed Value

Hansen's Pipe Fittings and Valves have been working for New Zealanders for over 50 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 two floats 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 50 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 Lifetime Warranty*

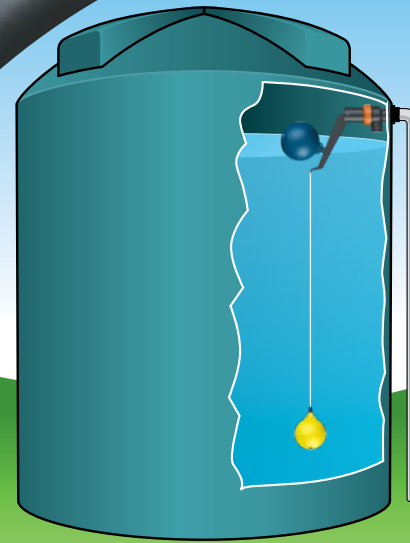
*For more information on our warranty, please visit www.hansenproducts.com/legal.htm

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 filling 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



HANSEN *Leveller Valves*
are rigorously hand tested
using both Air and Water.



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 2011."

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 or simply do not deliver high enough volumes of water, and some of the current types of tank valves are too complicated.

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