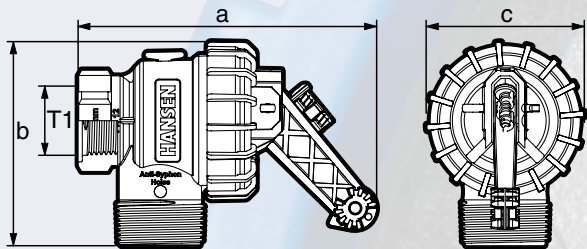


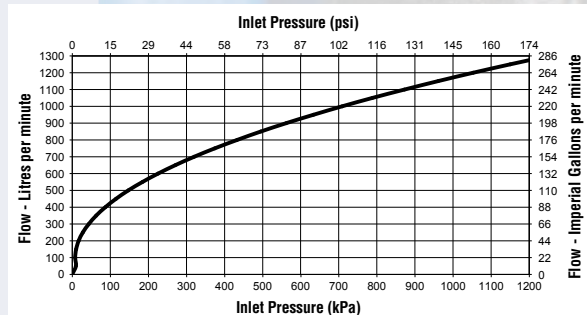
Technical Specifications

Hansen *Max-Flo* Valve Dimensions and Available Sizes



Product Code	T1 BSPT (DN)	a mm	b mm	c mm
HMFV2520	25mm (1")	144	98	76
HMFV3225	25mm (1")	144	98	76
HMFV2520L	25mm (1")	144	98	76
HMFV3225L	25mm (1")	144	98	76

Hansen *Max-Flo* Valve Flow Chart



This chart has been prepared using the results from independent tests carried out by The University of Auckland, New Zealand

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



Frequently Asked Questions

- Q** Can I use the Hansen *Max-Flo* Valve as a top entry valve with an air gap?
- A** Yes, the Hansen *Max-Flo* Valve can be installed at the top, side or bottom entry as all components come with each valve.
- Q** My troughs have both 20mm & 25mm threaded inlets. Does the Hansen *Max-Flo* Valve come in both sizes?
- A** Yes each Hansen *Max-Flo* Valve comes with the required components to install in 20mm or 25mm threaded inlets. This of course means you only have to buy one valve for all sized inlets. Also available in 15 & 32mm short and long threaded adaptors.
- Q** Will the higher flow cost me more to run my pump?
- A** No, because the Hansen *Max-Flo* Valve is more efficient than what you are used to. The reduced operating pressure required will equate to higher flows at lower pressures at your pump which in turn will reduce pumping time and cost.
- Q** At present I get valve bounce in my troughs, will the Hansen *Max-Flo* Valve stop this?
- A** Yes, valve bounce is created from high flows at high pressures, the Hansen *Max-Flo* Valve opens and closes slower than other valves so will reduce incidences of this problem.
- Q** I have problems with having to constantly clean my valves as my water supply can get dirty at times, how will your valve handle these conditions?
- A** Our patent pending "Self Cleaning Pilot" will increase durability and suitability in dirty water situations.
- Q** At present I have noticed some shuddering & noise in my pipelines when my pump starts & stops, will your valve stop this?
- A** Yes this is called water hammer, we have designed the Hansen *Max-Flo* Valve to open & close slower than other valves effectively varying the flows at these times to minimise the chance of water hammer.
- Q** What pressure can I run my Hansen *Max-Flo* Valve at?
- A** The Hansen *Max-Flo* Valve will operate from 0.2bar to 12bar.

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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

HANSEN
 Best Installed Value

Available From:

HANSEN™

Max-Flo Valves



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.

Hansen Products is now proud to introduce a range of *HiFlo* Valves to its already established product range. The *HiFlo* Valves are Strong, Lightweight and Compact and have been designed and manufactured to deliver high volumes of water quickly with smooth unrestricted full flow control.

One of the Hansen *HiFlo* Valves is the Hansen *Max-Flo* Valve which has been designed with multiple thread and connection combinations to increase overall durability and versatility, the Patent pending "Self Cleaning Pilot" to ensure the valves are durable and suitable for dirty water applications, less operating pressure required to reduce pumping costs and increase flows, mini body design for easy installation across a wide range of applications and 30 year time tested performance slow open and close diaphragm to ensure no undue stress is placed on pump lines or pumps.

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 Trough/Tank Valve (29 PSI, 570L/PM)
- Suitable for Side, Bottom and Top entry
- Strong Compact Design
- Delivers high volumes of water quickly with unrestricted full flow
- Patent pending* "Self Cleaning Pilot" for use in Clean/Dirty water
- Low operating pressure required reducing pumping costs and increasing flow
- Mini body design to enable easy installation
- Manufactured from strong, non corrosive UV stabilised materials
- Available in Female and Male BSPT, NPT and ACME thread configurations
- Suitable for High/Low Pressure operations - from 0.2bar to 12 bar
- Variable open and close action preventing valve bounce and water hammer
- Valve is supplied with: Complete Glass Fibre Reinforced Nylon Valve Body, Glass Fibre Reinforced Nylon Threaded Adaptors, Adjustable Extension Arm, 100mm Blue Flanged Float & 600mm Cord.

NB: Adaptor configurations vary per pack

*This product is patent pending in NZ under NZ patent applications 586567/585948, is protected by NZ design registration 413714, is patent and registered design pending in other countries, and is also protected by copyright.



HANSEN *Max-Flo Valves*
are rigorously hand tested
using Water.



Trough



Tank

A Reliable High Performance Trough/Tank Valve



When starting the *Max-Flo* project Hansen asked its customers what are the main issues with diaphragm valves currently available? They told us; "The current valves are too complicated and have too many parts. Secondly they do not operate consistently at low pressures or in dirty water applications".

R&D Manager Phil Collins says "When we started brainstorming for the new *Max-Flo* Valves, we called on the Hansen teams 50 years of experience with diaphragm valves".

One of the first points that was written down on the design brief was the *Max-Flo* Valves had to run by Bert Hansen's original principle of "Keep It Simple". That meant we had to design a valve that was simplistic so that "real people" would be able to install and maintain them.

There are several new features on the *Max-Flo* valves but we think the most important are *Max-Flo* Valves out perform all other valves we have tested in Clean and Dirty water and they also operate at lower actuating pressures reliably.

While designing the *Max-Flo* Valves we carried out testing on many similar types of valves. From our tests we found many other valves simply didn't perform consistently at low pressure or in dirty water:

We decided at this point that Hansen Valves will have to go through rigorous testing procedures so that we keep our promise of "Best Installed Value" to our customers