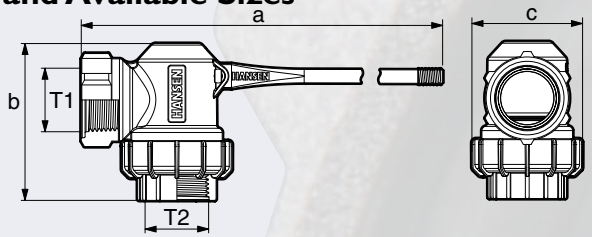
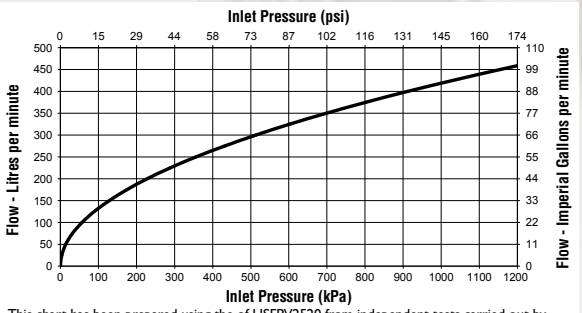
Technical Specifications

Hansen *Super-Flo* Valve Dimensions and Available Sizes



Product Code Plastic Valve	Product Code Brass Valve	TI & T2 BSPT (DN)	a mm	b mm	c mm	Included Male Adaptors mm
Long Arm Valves						
HSFPV2520	HSFPV2520B	25mm (1")	376	83	58	Standard 25x15, 25x20, 25x25
HSFPV2520L	HSFPV2520BL	25mm (1")	376	83	58	Long 25x20, 25x25
HSFPV2015L	HSFPV2015BL	25mm (1")	376	83	58	Long 25x15, 25x20
Short Arm Valves						
HSFPV2520LS	HSFPV2520BLS	25mm (1")	250	83	58	Standard 25x15, 25x20, 25x25
HSFPV2520S	HSFPV2520BS	25mm (1")	250	83	58	Long 25x20, 25x25
HSFPV2015S	HSFPV2015BS	25mm (1")	250	83	58	Long 25x15, 25x20

Hansen *Super-Flo* Valve Flow Chart



This chart has been prepared using the of HSFPV2520 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 My troughs have both 20mm & 25mm threaded inlets, does your Hansen *Super-Flo* Valve come in both sizes?

A Yes each Hansen *Super-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 thread adaptors.

Q Will the higher flow cost me more to run my pump?

A No, because the Hansen *Super-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 your valve stop this?

A Yes, valve bounce is created from high flows at high pressures, because our Hansen *Super-Flo* Valve delivers higher flows than other valves it will effectively reduce line pressure which in return will reduce the incidences of this problem also reducing water hammer.

Q I have problems with having to forever clean my valves as my water supply can get dirty at times, how will the Hansen *Super-Flo* Valve handle these conditions?

A We have designed the Hansen *Super-Flo* Valve to work in either clean or dirty water situations.

Q What pressure can I run my Hansen *Super-Flo* Valve at?

A The Hansen *Super-Flo* Valve will operate from 0bar to 12bar.

Q The valves I have at present have a tendency to jam open or closed costing me time and either a bog around my trough or no available water for my stock, will your valve stop this problem?

A Yes the Hansen *Super-Flo* Valve has a new patent pending "Slipper Fit Piston" design seal assembly to minimise this problem.

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:

HDB086 1410

HANSEN™

Super-Flo Valves



www.hansenproducts.com

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 *Super-Flo* Valve which has been designed with multiple thread and connection combinations to increase overall durability and versatility, the Patent pending "Slipper Fit Piston" design to reduce sticking and increase efficiencies, less operating pressure required to reduce pumping costs and increase flows, mini body design for easy installation across a wide range of applications and the ability to operate in clean or dirty water applications.

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 Valve (29 PSI, 188L/PM)
- Each valve will fit multiple thread and connection combinations
- Strong Compact Design
- Delivers high volumes of water quickly with unrestricted full flow
- Patent pending* "Slipper Fit Piston" design to reduce valve sticking
- 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, ACME thread configurations
- Suitable for High/Low Pressure operations (from 0 bar to 12 bar)
- Variable open and close action preventing valve bounce and water hammer
- *Super-Flo* Piston Valve is supplied with: Acetal or Brass Valve Body, Glass Fibre Reinforced Nylon Threaded Adaptors, Brass Arm, Cord and Nuts.

NB: Adaptor configurations vary per pack

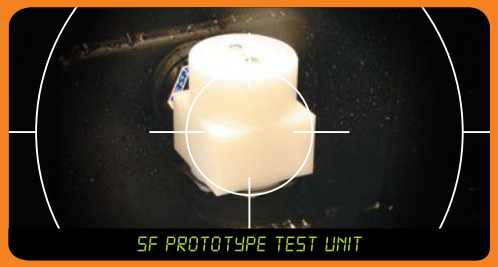
*This product is protected by intellectual property rights owned by the Hansen group of companies in NZ and pending in other countries, including NZ patent applications 585472/585246 and NZ registered design 413594.

HAND TESTED

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



Hansen *Super-Flo* Valves are Hand Tested



When starting the *Super-Flo* project Hansen asked its customers what are the main issues with Piston/Sleeve valves currently available? They told us; "The valves stick open or closed and are not user friendly. Secondly they do not operate consistently at low pressures or in dirty water applications".

R&D Manager Phil Collins says Hansen's design brief for the new *Super-Flo* Valves was simple, they must not "stick" open or closed, they must be "user friendly" and also deliver high volumes of Clean/Dirty fluids at High/Low pressures.

When we started brainstorming for the new *Super-Flo* Valves we called on the Hansen teams experience in developing high performance valves. One of the first points that was written down on the design brief was the valves had to run by Bert Hansen's original principle of "Keeping It Simple". K.I.S became the cornerstone of the whole *Super-Flo* project. We believe we have addressed all the issues that customers identified as being the problems with similar valves.

The *Super-Flo* Valves have outperformed all other similar valves we have tested in Clean/Dirty water flows and in operating pressures. The most important feature of the *Super-Flo* Valves is "The Valves Do Not Stick" which means Hansen customers get a simple, reliable, high performance valve that "Works". 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