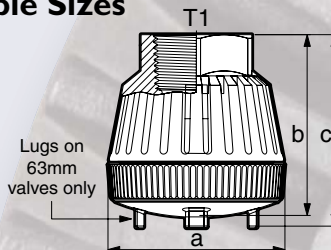


HANSEN™

Foot Valves

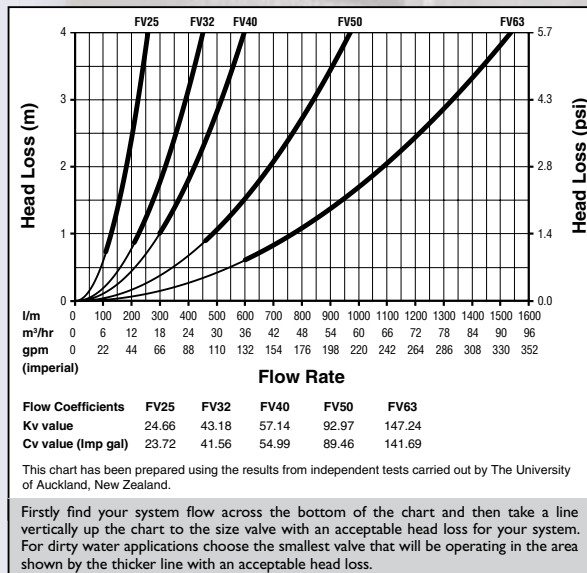
Technical Specifications

Hansen Foot Valve Dimensions and Available Sizes



Product Code	T1 BSPT (DN*)	a mm	b mm	c mm
CV25	25mm (1")	69	72	NA
CV32	32mm (1 1/4")	87	88	NA
CV40	40mm (1 1/2")	99	99	NA
CV50	50mm (2")	123	120	NA
CV63	63mm (2 1/2")	152	NA	157

Hansen Foot Valve Flow Chart



Standards & Approvals



Class SGS
Marine
Certificate

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

Frequently Asked Questions

- Q** The dam I'm pumping from can get quite dirty at times, including slime and weed and I find my existing foot valve requires constant cleaning. Will the Hansen Foot Valve solve this problem?
 - A** Yes the Hansen Foot Valve has been designed with the ability to work in dirty water situations and because of lower head losses of this valve you can select a smaller size than you normally would expect, thus with the higher velocities across the diaphragm the valve becomes self cleaning.
- Q** When choosing my Foot Valve do I select a valve size to match the suction pipe diameter?
 - A** No not necessarily, again because of the higher efficiencies of the Hansen Foot Valve you match your flow with the head loss your pump can afford, generally you will find the Hansen Foot Valve size will be less than the pipe diameter.
- Q** The river I pump from is fairly shallow so I do pump some sand at times and find my existing Foot Valves have to be replaced often. Is the Hansen Foot Valve also a throw away valve?
 - A** No, although pumping sand is inadvisable because of the damage to your pump you will find with the screw cap service access to the Hansen Foot Valve you only need to replace the parts that wear in these circumstances. Another suggestion would be because the Hansen Foot Valve can be installed at any angle you may be able to install the Hansen Foot Valve vertically above your suction pipe and keep it above any sand.
- Q** Can the Hansen Foot Valve be used with salt water passing through them?
 - A** The spring in the valves is made of 302 grade stainless steel, and may eventually corrode in the salt water. The spring is available as a replacement part if required. All other parts of the valve are fully resistant to salt water.

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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.

Bert designed the first Hansen *Foot Valve* in the early 1960's from Brass, which lead the way in valves. In the late 1980's Hansen Products re-released the range of *Foot Valves* in high quality Glass Fibre Reinforced Nylon. The operating concept and principals from the original brass *Foot Valves* were carried through into the plastic version ensuring the same features that made the brass *Foot Valve* so popular were duplicated.

Hansen *Foot Valves* unique design gives you more flow in less time which saves on pumping costs, it has unrestricted Full Flow and has efficiency in excess of 95% of many other types of Foot Valves. The unique product design incorporates a built in strainer and operates at any angle or position. There is no Poppet Valve to wear or jam, it is easily serviced and the diaphragm and spring are interchangeable and replaceable. Blockages are also reduced due to Low Fluid Velocity through the Slots.

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

Used on the end of a suction line to stop fluids in the line emptying when the pump is turned off, thus eliminating the need to prime your pump at start up.

- High Performance, Cost Effective *Foot Valve*
- Delivers high volumes of water quickly with unrestricted full flow
- Efficiency in excess of 95% of many other types of valves
- Unique design which incorporates a self cleaning diaphragm
- Operates via Pressure Differential and at any angle or position
- No Poppet Valve to wear or jam
- Easy access screw cap for servicing
- Diaphragm and Spring are interchangeable with the same size *Check Valve*
- Blockages reduced due to low fluid velocity through slots
- Manufactured from strong, non-corrosive UV stabilised materials
- Materials approved for use with Potable (drinkable) Water
- All connecting threads are BSPT and NPT
- Smooth operating valve for high efficiency



HANSEN *Foot Valves*
are rigorously hand tested
using Air

End of line Ponds



Creeks



Bores

Hansen *Foot Valves* are Hand Tested



When Hansen Products decided to re-release the Hansen *Foot Valve* in the early 1980's the design brief was simple for our R&D team. Firstly it must follow the same operating design and principals that made the brass *Foot Valves* so popular and secondly it must follow Bert Hansen's original principal of "Keeping It Simple".

R&D Manager Phil Collins said "we knew we had a winning operating design we just needed to transfer that design to a different material as that was the way the market was heading. As the rest of our product range is made from high quality Glass Fibre Reinforced Nylon, which we are extremely happy with, deciding to make the Hansen *Foot Valve* from this was obvious. The original operating principals were transferred to the new material along with some added features. Customers said that flow rates where of the utmost importance, as they wanted to be able to move more water in less time. They also said they wanted to be able to service the valve in-line instead of having to disconnect it first, they didn't want a valve that would wear, jam or block easily and would operate in dirty water applications".

We believe that we have met all of these requirements and made the transition from brass to Glass Fibre Reinforced Nylon a success without having to make any compromises. What you have today is a high quality Hansen *Foot Valve* that you can rely on, is easy to install and maintain, and is made by real people for real people. We also decided that Hansen Valves will go through rigorous testing procedures to keep our promise of "Best Installed Value" to our customers.

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