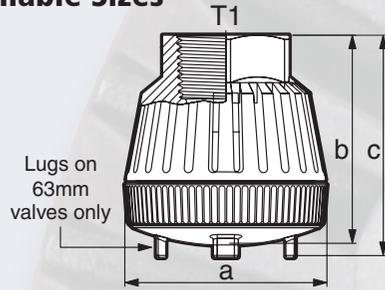


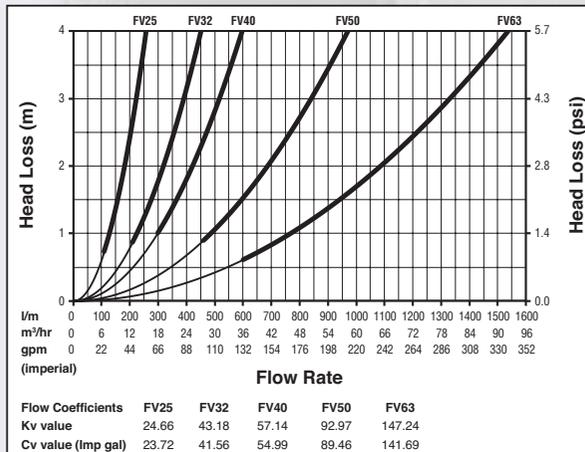
Technical Specifications

Hansen Foot Valve Dimensions and Available Sizes



Product Code	T1 BSPT (DN*)	a mm	b mm	c mm
FV25	25mm (1")	69	72	NA
FV32	32mm (1 1/4")	87	88	NA
FV40	40mm (1 1/2")	99	99	NA
FV50	50mm (2")	123	120	NA
FV63	63mm (2 1/2")	152	NA	156

Hansen Foot Valve Flow Chart



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

Firstly find your system flow across the bottom of the chart and then take a line vertically up the chart to the size valve with an acceptable head loss for your system. For dirty water applications choose the smallest valve that will be operating in the area shown by the thicker line with an acceptable head loss.

Standards & Approvals

AS/NZS 4020 Hansen Foot Valves have met the requirements of AS/NZS 4020 Australia & New Zealand drinking water test standard. See our website for details.

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 unadvisable 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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Available From:

HANSEN

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Foot Valves



HD6087 2210

www.hansenproducts.com

High Performance Cost Effective Foot Valve

Best Installed Value

Hansen Products *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.

The very first Hansen *Foot Valve* began its life cycle in the 1950s when Bert Hansen developed a brass valve with operating features so substantially advanced, it placed it decades ahead of any other similar foot valve on the market at the time. With the advent of high quality plastic materials, moving the valves to these new materials was the next logical step. Such was the strength of the original design, the same basic design principles remain intact, and with some enhancements and reintroduction in 1997, the Hansen *Foot Valve* continues to outshine competitor foot valves in full flow rate, self cleaning in grey water applications and easy in-line serviceability.

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

Product Details



HFV Hansen Foot Valve

Available Sizes: 25mm, 32mm, 40mm, 50mm, 63mm BSPT (1", 1 1/4", 1 1/2", 2", 2 1/2" BSPT)*



HVD Diaphragm & Spring Kit

Replacement diaphragm & spring kit for Hansen Foot or Check Valve.

Available Sizes: 25mm, 32mm, 40mm, 50mm, 63mm (1", 1 1/4", 1 1/2", 2", 2 1/2")



HFVFS, HFVFSL Foot Valve Filter Sock

Filter Sock for the Foot Valve to help filter and stop particles entering the Valve.

Available Sizes: 25mm, 32mm, 40mm, 50mm, 63mm (1", 1 1/4", 1 1/2", 2", 2 1/2")

*Also available in NPT thread format. Non-stock item available on request

WORKS AT ANY ANGLE OR POSITION

upside down, on its side or straight up and down.



INTERCHANGABLE PARTS

Diaphragm and spring are interchangeable with the same size Hansen Check Valve



POTABLE WATER APPROVED

Materials approved for use with Potable (drinkable) Water

AS/NZS 4020:2018



All Hansen Foot Valves are rigorously hand tested.

HIGH QUALITY MATERIALS

Manufactured from strong, non-corrosive UV stabilised materials for a long life.

- Body - High Quality Glass Fibre Reinforced Nylon
- Diaphragms - Durable Long Life Nitrile Rubber
- Spring - High Grade Stainless Steel

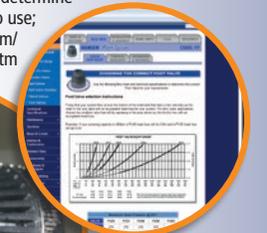
MAXIMUM WORKING PRESSURE

16 Bar (232 psi) @ 20°C

FAST AND EASY TO INSTALL

A few simple steps and you're up and running with your new Hansen Foot Valve!

1. Visit our website to help determine which sized Foot Valve to use; www.hansenproducts.com/products/valve/FV-flow.htm

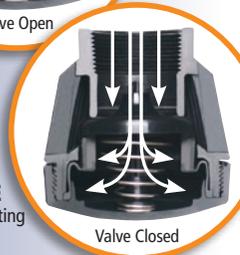


SELF CLEANING

The unique design provides self cleaning as part of the valve operation



Valve Open



Valve Closed

FAST RESPONSE

Smooth Operating Valve for High Efficiency

Available Sizes: 25mm, 32mm, 40mm, 50mm, 63mm BSPT (1", 1 1/4", 1 1/2", 2", 2 1/2" BSPT)

FOOT VALVE SOCK

An accessory that helps filter and stop particles entering the Valve. It also discourages the build up of some menacing forms of marine life.



EASY IN-LINE SERVICING

Easy access Screw Cap provides in-line servicing for all moving parts.



3. Once installed, ensure the Foot Valve is raised up off the surface of the water bed to help prevent debris entering the valve causing damage to your pump.



2. Your Hansen Foot Valve comes ready to install. Connect it directly to end of a threaded pipe, or use a Hansen Male Straight or Reducing Straight Coupling to connect to your pipe. Use thread sealant or thread tape on all threaded connections.*

*We recommend Loctite 5331.