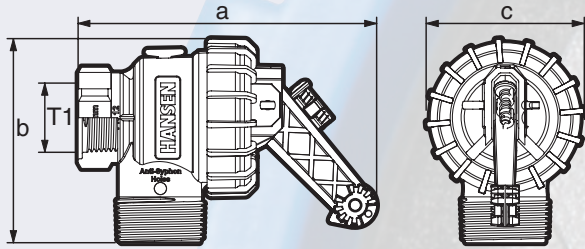


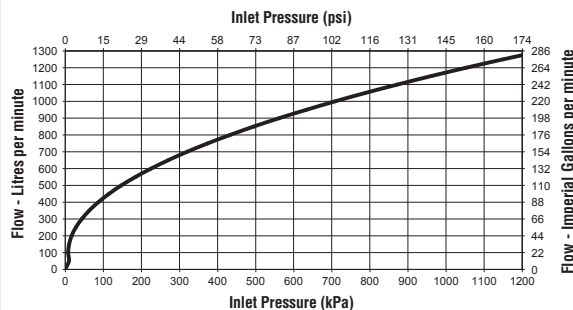
## Technical Specifications

### Hansen *Max-Flo* Valve Dimensions and Available Sizes



Product Code	T1 BSPT (DN)	a mm	b mm	c mm	Included Male Adaptors
HMF2V2520	25mm (1")	144	98	76	20 & 25mm Standard
HMF2V3225	25mm (1")	144	98	76	25 & 32mm Standard
HMF2V2520L	25mm (1")	144	98	76	20 & 25mm Long Tail
HMF2V3225L	25mm (1")	144	98	76	25 & 32mm Long Tail

### 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](http://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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Available From:

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Best Installed Value



**HANSEN**<sup>™</sup>

*Max-Flo Valves*



HD8085 2205

[www.hansenproducts.com](http://www.hansenproducts.com)

# Reliable High Performance Trough/Tank 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 Hansen *Max-Flo* valve draws on over 50 years experience in design and development of diaphragm valves at Hansen Products. This strong foundation equipped us to produce a highly functional, uncomplicated valve with real world features that quite simply outclass the rest. Dubbed the 'Bullet Proof' valve, not only is it stock resistant, its consistent, reliable performance in grey water applications is extraordinary. Exceptional flow rates and ability to operate unswervingly in low or high pressure, the Hansen *Max-Flo* valve brings a new level of dependability that has proven it to be the new gold standard for how a diaphragm valve should perform.

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](http://www.hansenproducts.com/legal.htm)

## Product Details



### HMFDV2520 Maxflo 25/20

**Supplied with:** Complete Valve Body, 20mm, 25mm & 32mm Standard Adaptors, Adjustable Extension Arm, 100mm Blue Flanged Float, 650mm Cord



### HMFDV2520L Maxflo 25/20 Long

**Supplied with:** Complete Valve Body, 20 & 25mm Long Tail Adaptors, Adjustable Extension Arm, 100mm Blue Flanged Float, 650mm Cord



### HMFDV3225L Maxflo 32/25 Long

**Supplied with:** Valve Body, 25 & 32mm Long Tail Adaptors, Adjustable Extension Arm, 100mm Blue Flanged Float, 650mm Cord

**ARM VERTICAL**  
To ensure valve operates correctly arm must be in a vertical position

**SELF FLUSHING PILOT HOLE**  
Maxflo Valve has been designed to ensure reliable operation at low and high pressures. NOTE: Pressurised water will pass through the pilot hole and over the arm when opening and closing. Water will stop passing through the pilot hole when fully closed.

**STOCK PROOF**  
Highly flexible arm resists stock damage

**SCREW**  
An additional screw for attaching the extension arm or a spare screw for the float

**INLET**

**OUTLET**

**HIGH FLOW RATE**  
29 PSI, 570L/PM

**MAXIMUM WORKING PRESSURE**  
12 Bar (174 psi) @ 20°C

**TOP ENTRY INSTALLATIONS**  
Put thread tape on adaptor side that does not have O-ring and start the adaptor into trough inlet. Thread Max-Flo Valve onto adaptor and tighten. Determine the on/off point and water level required. Adjust the float and arms to suit required angle. Air Gap is adjustable from -19mm to +45mm @ 3.5 bar.

**ANTI-SYPHON HOLES**  
When the valve body outlet is submerged in water or has an extension outlet tube attached, the Anti-Syphon Holes have been designed to be knocked out to prevent the valve from back flowing as long as the Anti-Syphon Holes are above water level.

**SLOW CLOSE ACTION**  
The Maxflo internals have been designed with a built in delay in closing, this helps to minimise water hammer. NOTE: the Maxflo arm may be in the close position but the valve may take up to 8 seconds to fully close. Do Not Force Float Arm.

**SIDE AND BOTTOM ENTRY INSTALLATIONS**  
Put thread tape on adaptor side that does not have O-ring and start the adaptor into trough inlet. Thread Max-Flo Valve onto adaptor and tighten. Thread cord through the float, adjust cord to required on/off level then tie off.

**MALE ADAPTORS**  
O-Ring seal short & long adaptors available in 15-50mm (1/2" - 2"). Manufactured from High Quality Glass Fibre Reinforced Nylon for a weather, termite, fungi & bacteria resistance.

**EXTENSION ARM**  
Maxflo Valve includes an Extension Arm. Use this Arm when a larger air gap is required between the water and threaded outlet of the valve body. Air Gap is adjustable from +65mm to +105mm @ 3.5 bar.

**HAND TESTED**  
All Hansen Super-Flo Valves are rigorously hand tested

**Front View**

**Top Down View**  
Align Arm with arrow on valve body

**Short**

**Long**

**Top Entry**

**Extension Arm**

**Side or Bottom Entry**

**NOTE:** High performance can cause water turbulence when used in top entry installations. To minimise use a Hansen HF532 with a short piece of poly pipe to act as a diffuser. To prevent back flow when using a diffuser use the Anti-Syphon Holes.

The Max-Flo Valves are protected by intellectual property rights owned by the Hansen group of companies in New Zealand, Australia and other countries, including New Zealand patent applications 603309 and 585948 and registered design 413714, and Australian patent applications 2016202203 and 2015227545 and registered design 334428. MAX-FLO is a trademark of the Hansen group of companies.