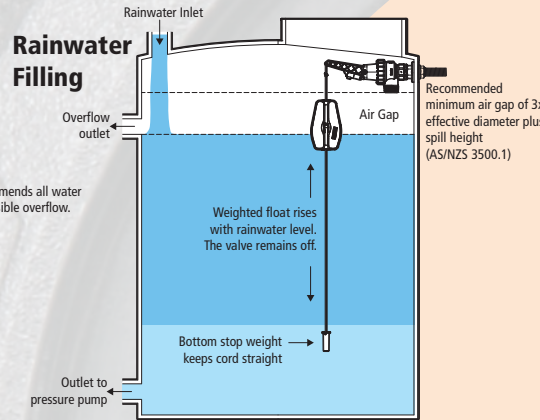
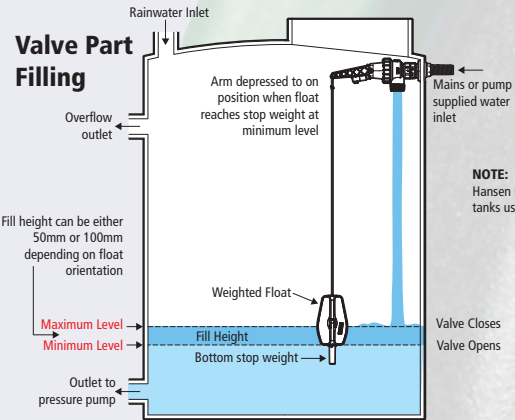


# Technical Specifications

## Hansen *Rapid-Flo* Rain Relief Valve Operating Principle & Float Orientation

The minimum level is set by adjusting the length of the cord between the valve arm and the stop weight at the bottom of the cord. The maximum top up water level is set by the float orientation and can be either 50mm or 100mm.



### Float Orientation

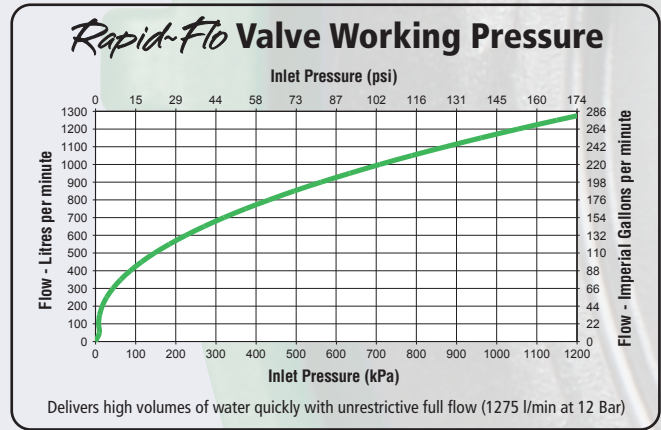


Position A = 50mm Fill



Position B = 100mm Fill

Recommended minimum air gap of 3x effective diameter plus spill height (AS/NZS 3500.1)



### Rain Harvest & Only Pump When You Need To

The Hansen *Rapid-Flo* valve is the perfect choice for systems that combine Rain Harvesting with Supplementary Pumping from alternative sources. The Pump only ever needs to work when rain levels are low and the tank needs a part fill.

#### Rain Harvesting

#### Valve Supplementing



# Rapid-Flo Valve

## RAIN RELIEF

Full Flow Valve (1275 l/min at 12 Bar)



## Rain or Shine Your Rainwater is Fine

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



**HANSEN PRODUCTS (NZ) LIMITED**  
 PO Box 809 • Whangarei • New Zealand  
 P: +64 9 430 4140 F: +64 9 430 4141  
 E: [info@hansenproducts.com](mailto:info@hansenproducts.com)  
 W: [www.hansenproducts.com](http://www.hansenproducts.com)

Available From:

HDB306 2210

## 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 *Rapid-Flo* Rain Relief Valve is the ideal companion to a rain harvesting system, adding the ability to introduce small controlled 50mm or 100mm (2" or 4") water fills from alternative sources during dry spells where rain water is insufficient to meet a water tanks demands. Built on Hansen's proven reliable, self cleaning diaphragm technology, it includes dependable operation at both low or high pressure and soft open & close, helping prevent system wide damage from water hammer. A simple Lock Off Plunger adds full manual on/off control in the event that rain is looming and adjustable rope allows complete control over when the valve steps in.

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



### SMALL ADAPTOR PACK

**HRRRF152025 Rapidflo Valve 15/20/25 Long Tail**

**Supplied with:** Complete Valve Body, Weighted Float, 2.5 metre Cord and 15mm & 20mm & 25mm Long Tail Adaptors

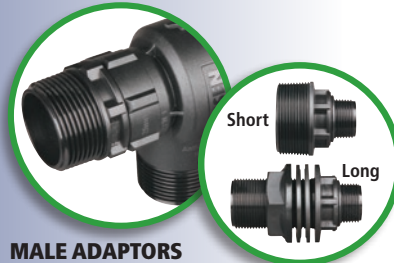


### LARGE ADAPTOR PACK

**HRRRF324050 Rapidflo Valve 32/40/50 Long Tail**

**Supplied with:** Complete Valve Body, Weighted Float, 2.5 metre Cord and 32mm & 40mm & 50mm Long Tail Adaptors

# Peace of Mind Rain Relief Valve



### MALE ADAPTORS

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



All Hansen Rain Relief Valves are rigorously hand tested.



### LOW PARTS COUNT

Less working parts results in a valve that operates more efficiently for better overall performance. Less parts to remove, lose or break.



### FULL FLOW

1275 l/min at 12 Bar



### LOCK OFF PLUNGER

Rotating the plunger tab allows the valve to be manually locked to the off position

### ALSO AVAILABLE



### RESTRICTED FLOW

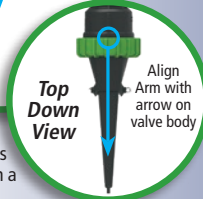
2 l/min at 12 Bar

### MAXIMUM WORKING PRESSURE

12 Bar (174 psi) @ 20°C



Front View



Top Down View

Align Arm with arrow on valve body

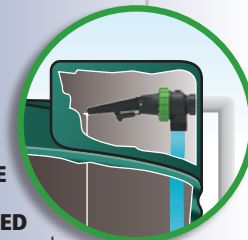
### ARM VERTICAL

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



### SELF FLUSHING PILOT HOLE

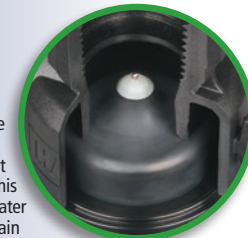
The Rain Relief Valve has been designed to ensure reliable operation at low and high pressures. Note: pressurised water will pass through the pilot hole when opening and closing. Water will stop passing through the pilot hole when fully closed.



### POTABLE WATER APPROVED

Materials approved for use with potable (drinking) water.

AS/NZS 4020



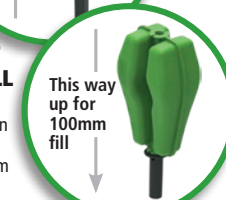
### SLOW CLOSE ACTION

The Rain Relief Valve internals have been designed with a built in delay in closing, this helps to minimise water hammer. Note the Rain Relief Valve arm may be in the closed position but the valve may take up to 8 seconds to fully close.

**Do not force arm closed.**



This way up for 50mm fill



This way up for 100mm fill

### WEIGHTED GREEN FLOAT WITH TWO FILL DEPTHS

The float orientation determines either a 50mm fill or 100mm fill.



### ONLY PUMP WHEN YOU NEED TO

If the tanks rain water level drops below minimum, the valve opens to supplement the tanks water from an alternative source such as the mains water supply. However it will only increase the water level by either 50 or 100mm.