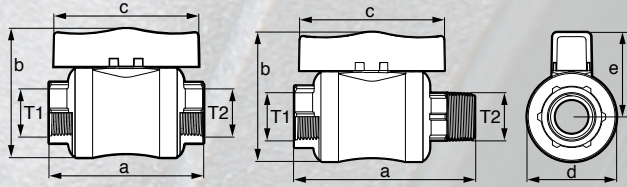


# Technical Specifications

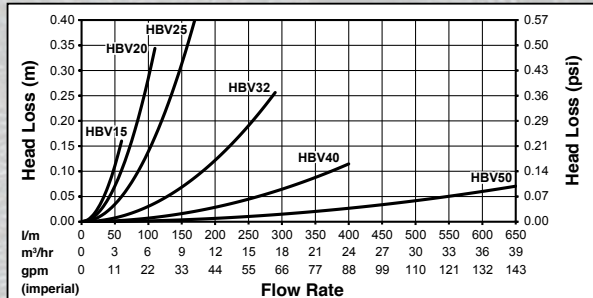
## Hansen Ball Valve Dimensions and Available Sizes



Product Code	T1 BSPT (DN*)	T2 BSPT (DN*)	a mm	b mm	c mm	d mm	e mm
<b>Female Ball Valve Dimensions</b>							
HBV15	15mm (1/2")	15mm (1/2")	98	82	93	56	54
HBV20	20mm (3/4")	20mm (3/4")	98	82	93	56	54
HBV25	25mm (1")	25mm (1")	111	93	104	65	61
HBV32	32mm (1 1/4")	32mm (1 1/4")	122	107	112	76	69
HBV40	40mm (1 1/2")	40mm (1 1/2")	135	124	123	90	79
HBV50	50mm (2")	50mm (2")	146	140	131	106	89
<b>Male/Female Ball Valve Dimensions</b>							
HBV25MF	25mm (1")	25mm (1")	131	93	104	65	61
HBV32MF	32mm (1 1/4")	32mm (1 1/4")	142	107	112	76	69
HBV40MF	40mm (1 1/2")	40mm (1 1/2")	155	124	123	90	79
HBV50MF	50mm (2")	50mm (2")	170	140	131	106	89

Pressure Rating: 16 Bar/235 PSI @ 20°C

## Hansen Ball Valve Flow Chart



Flow Coefficients	HBV15	HBV20	HBV25	HBV32	HBV40	HBV50
Kv value	28.74	35.95	51.37	141.55	225.63	469.48
Cv value (Imp gal)	27.65	34.61	49.42	136.24	217.04	452.05

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 chart, and then take a line vertically up the chart to size a valve with an acceptable head loss for your system.

## Standards & Approvals

**AS/NZS 4020** Hansen Full Flow Ball Valves meet the requirements for products in contact with drinking water as per AS/NZS 4020 Australia & New Zealand drinking water standard. The equivalent standard to AS/NZS4020 is BS 6920.



International Marine Certification Approved. Meets the requirements of the Recreational Craft Directive 94/25/EC meaning that it is safe to use in salt water environments.

For further technical information including chemical & temperature specifications, please visit our website: [www.hansenproducts.com](http://www.hansenproducts.com)

# Frequently Asked Questions

- Q** How tight should I tighten my Hansen Ball Valves?  
**A** Do not over tighten. The right way to tighten a Hansen Ball Valve is finger tight plus one to two turns - no more! For more info on installation tips visit [www.hansenproducts.com](http://www.hansenproducts.com)
- Q** Do I need to support my Hansen Ball Valve?  
**A** Yes. All pipe work must be adequately supported.
- Q** What type of sealant should I use?  
**A** Use a thread sealant on all threaded connections. We recommend Loctite 5331 and Ceelon PTFE or a quality threaded tape.
- Q** Can I use Hansen Ball Valves with metal fittings?  
**A** Yes. For more info on installation tips visit [www.hansenproducts.com](http://www.hansenproducts.com)
- Q** Can I use Hansen Ball Valves with my swimming pool/spa pool set up?  
**A** No, as the high concentration of chlorine used in the water for pools, will attack the material. The fitting material is only suitable for use with domestic water. Hansen products that are used in this application will not be covered by warranty.
- Q** What temperature can I use Hansen Ball Valves at?  
**A** Hansen have tested all its products for use with cold water up to a maximum temperature of 60°C (140°F). We do not recommend the use of these products with temperatures higher than 60°C (140°F) as plastic expands due to temperature increases. Hansen cannot guarantee the products will perform when used with temperatures over 60°C (140°F). Hansen products that have failed in temperatures higher than 60°C (140°F) will not be covered by warranty.
- Q** Are Hansen Ball Valves Frost Friendly?  
**A** Hansen Ball Valves are Frost Friendly and have been tested in frost conditions. Results may vary in freezing conditions.

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Available From:

# HANSEN™

## Full Flow Ball Valve



**In-Store Now**

HDB075 1705

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

# Best Installed Value

Hansen Products knows the importance that valves can play in the performance and control of fluid quantity, flow and pressure within a pipe system. Hansen manufactures a range of Full Flow Ball Valves that have been designed for use above or below ground in fluid distribution lines. Hansen valves are strong, lightweight, compact and provide smooth unrestricted leak free on/off control.

Hansen Full Flow Ball Valves are available in various combinations including different coloured handles, thread types and connections. The Hansen Full Flow Ball Valve range will function across a wide range of operating pressures and temperatures.

Hansen Products has over 60 years experience in manufacturing Valves and Fittings, which has seen us 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\*

\*Hansen Products will replace any product we manufacture if that product fails due to a manufacturing defect during the life of the product. For more information on our warranty, please visit [www.hansenproducts.com/legal.htm](http://www.hansenproducts.com/legal.htm)

# Features & Benefits

- Versatile Full Flow Ball Valve
- Lightweight and strong
- Manufactured from non corrosive, UV Stabilised materials
- Potable water approved
- Available in BSP, NPT, Acme thread configurations
- Removable Handles for security and varying applications
- Positive "click" smooth open/close action
- High pressure 16 Bar rated



### Frost Friendly

Hansen Ball Valves are Frost Friendly and have been tested in frost conditions. Results may vary in freezing conditions.



### Salt Water Friendly

Hansen Ball Valves are Salt Water Friendly and have the IMCI Marine Certification approval for safe use in salt water environments.



Hansen Full Flow Ball Valves are rigorously hand tested.

