



INDUSTRIAL

Dura

Wafer Check Valve

50mm – 300mm

Specifications

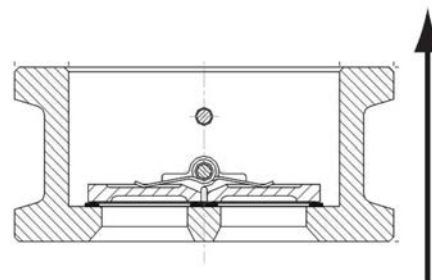
Recommended use	The Dura Wafer check valve is a high performance general-purpose water valve. It is compact in design enabling the installation and pipe work layout expenditure to be considerably reduced. Dura Wafer type check valves are lighter and smaller compared to conventional swing checks, applicable to HVAC, building service, irrigation, fire fighting and general industry.
Working Pressure	1600kPa
Temperature Range	-10°C to 120°C
Warranty	12 Months
Suits Flange Type	AS 2129 - Table D & E AS 4087 - PN16 ANSI B16.5 - Class 150 ISO 7005 - PN10 & PN16



Materials & ASTM Codes

Item	Material	ASTM Code
Body	Ductile Iron	ASTM A536 65-45-12
Disc	Stainless Steel	ASTM A351 Grade CF8
Seat	EPDM	ASTM 2000
Hinge Pin	Stainless Steel	ASTM A276 Grade 420
Stop Pin	Stainless Steel - if applicable	ASTM A276 Grade 420
Pin Retainer	Stainless Steel	ASTM A276 Grade 304
Washer	PTFE	ASTM D1457
Gasket	EPDM	ASTM 2000
Eye Bolt	Stainless Steel - where supplied	ASTM A276 Grade 304

FLOW DIRECTION



INSTALLATION NOTES

To avoid premature wear in DURA wafer check valves, please install check valves at a minimum distance equivalent to 5 times the nominal pipe diameter (5 x DN) in straight pipe downstream from any source of turbulent flow. Sources of turbulent flow include the discharge side of a pump, pipe reducers and elbows.

The accurate sizing of DURA wafer check valves is crucial to ensure an acceptable pressure drop and a long service life. Please ensure that flow velocity through the check valve is maintained within the ranges specified in the Pressure Loss Charts shown on the next page of this document.

This valve is suitable for use in horizontal installations or vertical up-flow installations. When installing in horizontal pipe work, always install the valve with the hinge pin in the vertical position.

When installing between flanges, ensure that bolts are lubricated before assembly and tightened in a cross pattern sequence to achieve an even seal pressure across flange gasket.

Disclaimer: Products in this specification manual must by regulation be installed by licensed and registered trade people. The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer/distributor takes no responsibility for printing errors.



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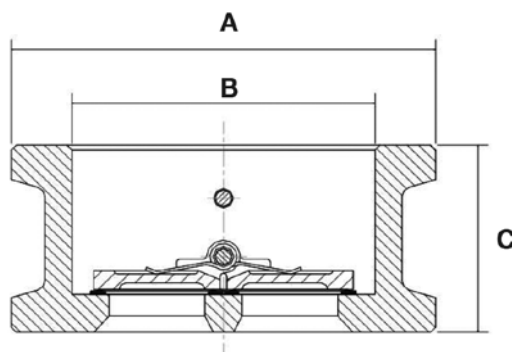
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Dimensions

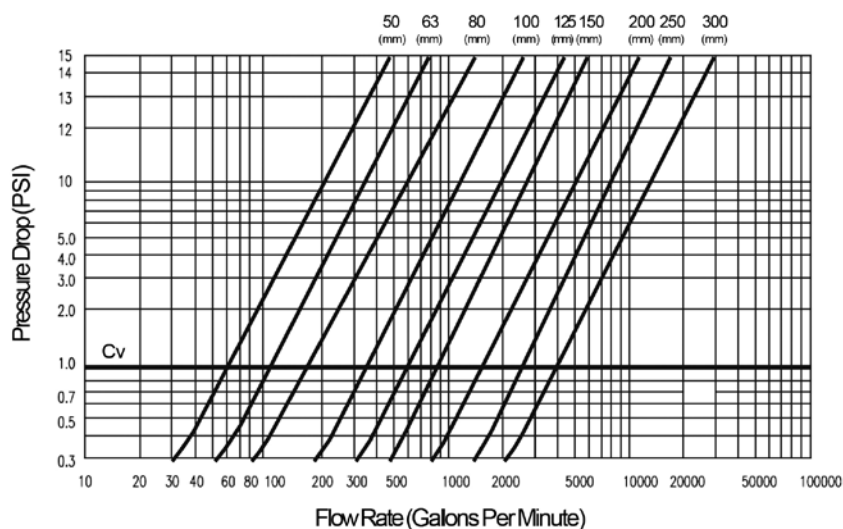
Product Code	Product Description	Open Pressure (kPa)	A (mm)	B (mm)	C (mm)
1005670	DURA INDUSTRIAL WAFER CHECK VALVE DN50	43	95	65	43
1005671	DURA INDUSTRIAL WAFER CHECK VALVE DN65	41	108	80	46
1005672	DURA INDUSTRIAL WAFER CHECK VALVE DN80	25	128	94	64
1005673	DURA INDUSTRIAL WAFER CHECK VALVE DN100	15	156	117	64
1005674	DURA INDUSTRIAL WAFER CHECK VALVE DN125	15	187	145	70
1005675	DURA INDUSTRIAL WAFER CHECK VALVE DN150	15	210	170	76
1005676	DURA INDUSTRIAL WAFER CHECK VALVE DN200	15	267	224	89
1005677	DURA INDUSTRIAL WAFER CHECK VALVE DN250	15	328	267	114
1005678	DURA INDUSTRIAL WAFER CHECK VALVE DN300	15	375	310	114



FLOW CHARACTERISTICS

Pressure Drop -1 PSI = 6.895 kPa

Flow Rate -100 Gallon per minute = 378.5 Litres per minute



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