

# JOHN FIG 4205

Disc  
Check  
Valve

The John wafer type tilting disc check valve, Fig. 4205 is an economical alternative to the conventional type tilting disc valve. The overall length of the body has been reduced to the extent that in the fully open position, the disc extends into the pipeline.

This considerable reduction in size and weight greatly facilitates installation and reduces installation costs. The disc swings on large diameter hinge pins and a high degree of pressure tightness is assured by the slight clearance on the pivots permitting the disc, when closed, to be completely unsupported by other than the seating face.

## Valve Overview

<b>Body Material</b>	Spheroidal Graphite Ductile Iron
<b>Trim Material</b>	Bronze
<b>Size Range</b>	DN150 – DN1200
<b>Flange Connection</b>	AS 4097 / AS2129 Table E, F & H / ANSI
<b>Max Working Pressure</b>	Water: 2100 kPa @ 60°C
<b>Hydrostatic Pressure</b>	3150 kPa Seat: 2100 kPa
<b>Pressure Rating</b>	Class 35 - Fig. 4207, Table 'H' flanges. PN16 – PN35
<b>Optional Extras</b>	<ul style="list-style-type: none"><li>• Counterweight</li><li>• Epoxy coating</li><li>• Open/shut indicator</li><li>• Special paint finish.</li><li>• Remote position indication</li><li>• Flanges drilled to AS2129</li><li>• No-flow limit switch. Table C/D, E, F, ANSI, or DIN</li></ul>

- Available in larger sizes upon request.
- It is recommended that valves are installed a minimum of 8 - 10 pipe diameters from the pump.
- All valves fitted with extended hinge pins.
- It is good engineering practice to fit a counterweight to the extended hinge pins.
- Available in other materials and trims.



## SEE OVER FOR MATERIALS & DIMENSIONS



**HEAD OFFICE:** 19 Martin Drive, Delacombe, VIC, 3356 | (03) 5336 2113  
**WA:** (08) 9249 1942 **NSW:** 0447 327 312 | **QLD:** 0427 784 419 | **SA:** 0418 503 570  
[sales@johnvalves.com.au](mailto:sales@johnvalves.com.au) | [johnvalves.com.au](http://johnvalves.com.au)

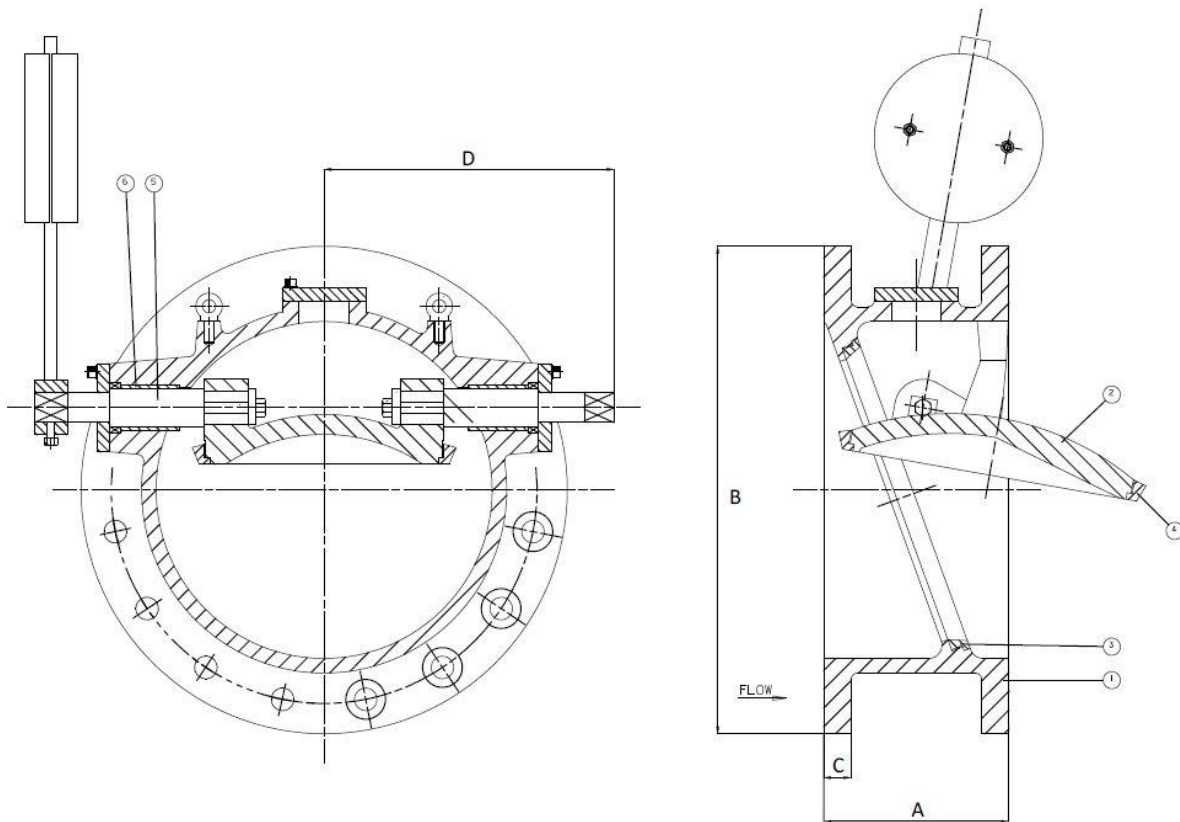
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**JOHN VALVES™**

The Valve People Since 1896

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Disc  
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## Materials

ITEM	PART	MATERIAL
1	Body	S.G. Iron
2	Disc (up to 300)	Gunmetal
2	Disc (above 300)	S.G. Iron
4	Body Seat Ring	Gunmetal
5	Disc Ring	Gunmetal
6	Hinge Pin	Stainless Steel
7	Hinge Pin Bush	Luprene

## Dimensions (Measurements in mm)

Size	A	B	C	D	Kg	Cv	Kv
150	110	305	25	205	27	802	18.9
200	130	370	29	250	41	1476	34.8
250	170	430	23	260	59	2664	62.9
300	200	490	32	310	86	3898	92.0
350	228	550	35	330	131	5465	129
375	228	580	35	400	145	6565	155
400	241	610	35	400	167	8068	190
450	254	675	38	400	213	11186	264
500	280	735	41	400	260	14095	322
600	330	850	44	530	424	20733	489

Cv = Flow Coefficient US Gal/min. to give 1 psi pressure drop.

Kv = Flow Coefficient L/s to give 1 kPa pressure drop.



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