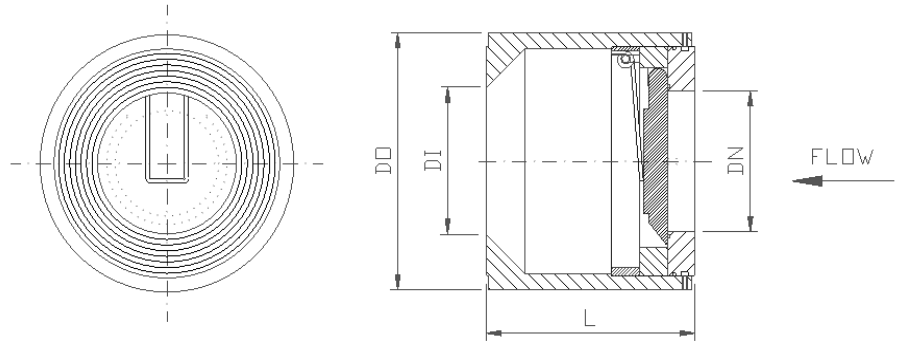




## FULL BORE SPRUNG SWING TYPE

### SPECIAL CHARACTERISTICS

- Full bore
- Lightweight
- Compact
- Economical
- Easily Installed
- Tight shut-off (resilient seat)
- Anti Slam
- One piece disc & shaft for maximum strength



Model #	519	529	549	559	569	579	589
Body (See Table A)	Bronze	Carbon Steel	316 S.S.	Monel	Titanium	Hastelloy	D.S.S
Seat Carrier	Bronze	316 S.S.	316 S.S.	Monel	Titanium	Hastelloy	D.S.S
Disc	Bronze	316 S.S.	316 S.S.	Monel	Titanium	Hastelloy	D.S.S
Pin	Monel	316 S.S.	316 S.S.	Monel	Titanium	Hastelloy	D.S.S
<b>Seat:</b> (Metal) Suffix 'M' (Viton) Suffix 'V' 204°C (P.T.F.E) Suffix 'P' 250°C (Neoprene) Suffix 'N' 120°C Buna-N Suffix 'B' 120°C EPDM Suffix 'E' 120°C Peek Suffix 'K' 250°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C	<b>Max. Temp</b> 204°C

<b>Spring:</b>	Inconel-X-750 Titanium Hastelloy	Suffix 'X' Suffix 'T' Suffix 'H'
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### PRINCIPLE DIMENSIONS

Nominal Size 'DN' (mm)	15	20	25	40	50	65	80	100
Length 'L' (mm)	37	44	51	68	78	93	108	130
Outside Diameter 'OD' (mm)	Please see OD chart on page 2							
Weight (Kg)	0.5	0.7	1	1.8	2.5	4	6	8

Working Pressure up to 100 BarG  
Lugged style on request

Higher pressures on request  
Larger sizes on request

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[sales@abacusvalves.com](mailto:sales@abacusvalves.com)

**Notes:**

- Wafer pattern design offers significant space and weight reduction compared with traditional flanged valve design.
- Superior by design
- 24 hour quotation turn around
- Comprehensive stocks
- Worldwide distribution
- Technical assistance and advice always available



## OUTSIDE DIAMETERS FOR WAFER CHECK VALVES

Size (mm)	Size (in)	PN6	PN10	PN16	PN25	PN40	Table 'D'	Table 'E'	ANSI 150	ANSI 300	ANSI 600	ANSI 900	ANSI 1500	ANSI 2500
15	0.5	45	53	53	53	53	54	54	48	54	54	63	63	70
20	0.75	55	63	63	63	63	60	60	57	67	67	70	70	76
25	1.0	65	73	73	73	73	70	70	67	73	73	79	79	85
40	1.5	88	94	94	94	94	86	86	86	95	95	98	98	117
50	2.0	98	109	109	109	109	99	99	105	111	111	143	143	146
65	2.5	118	129	129	129	129	111	111	124	130	130	165	165	168
80	3.0	134	144	144	144	144	130	130	137	149	149	168	174	197
100	4.0	154	164	164	170	170	162	162	175	181	193	206	209	235

Please note:

1. The check valves above are not suitable for heavily pulsating flow such as can be experienced to reciprocating pumps or compressors
2. If the wafer check valve you require is not shown or if you have a special design requirement, please contact us on +44 (0) 1505 681777 or [sales@abacusvalves.com](mailto:sales@abacusvalves.com)

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