



AUSTRALIAN VALVE AND ENGINEERING

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VALVE AND FITTING MANUFACTURE
GENERAL ENGINEERING • VALVE RECONDITIONING

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JOHN VALVES

The Valve People
Australian made :: Australian owned

Australian Agents for



CAST IRON SWING CHECK VALVE

MAX. WORKING PRESSURE

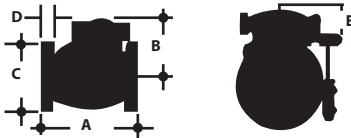
Water, Oil, Gas: 2100 kPa @ 95°C

Flanged to AS2129 Table F

HYDROSTATIC TEST PRESSURE

Body: 4200kPa Seat: 2310 kPa

DIMENSIONS



Size	A	B	C	D	E	Wt. (Kg)	Cv	Kv	K
50	240	133	150	19	120	13	123	2.9	0.95
65	260	140	165	19	130	18	194	4.6	0.93
80	260	159	185	19	145	25	284	6.7	0.90
100	330	190	230	22	166	38	519	12.3	0.85
150	410	241	305	25	210	74	1243	29.3	0.75
200	540	306	335	29	246	130	2240	52.9	0.73
225	610	335	370	29	275	165	2855	67.4	0.72
250	640	381	405	29	290	188	3574	84.3	0.70
300	700	432	455	32	385	305	5221	123	0.68
350	826	476	525	35	490	680	7269	172	0.65
375	820	476	550	35	490	680	8344	197	0.65
400	920	476	580	35	490	680	11776	278	0.65
450	970	570	640	38	550	900	12205	288	0.63
500	1070	570	705	41	550	1020	15440	364	0.60
600	1220	816	850	44	815	1660	22234	525	0.60

Dimension 'E' only applies when valves are fitted with extended hinge pin.

Cv = Flow Coefficient US Gal/min. to give 1 psi pressure drop.
Kv = Flow Coefficient L/s to give 1 kPa pressure drop.
K = Dimension less resistance Coefficient.
Dimensions in mm. Weights in Kg.

The JOHN cast iron swing check valves are designed to give genuine full bore flow on lines carrying liquids which are non-injurious to the specified materials. They operate equally well in either horizontal or vertical installations. In service, the valve disc swings away from the seat on a hinge and returns quickly and accurately to the closed position immediately flow ceases or attempts to reverse.

JOHN Fig. 404 AS4794

Size range:
50mm - 600mm
End connection:
Flanged to AS2129
Table F



MATERIALS OF CONSTRUCTION

Component	Material	Specification
Body	S.G. Iron	AS 1831-400/15
Cover	S.G. Iron	AS 1831-400/15
Disc	S.G. Iron	AS 1831-400/15
Seat	Gunmetal	AS 1565-C83600
Hinge Pin	Stainless Steel	AS 2837-316

- Capable of temperatures up to 120°C
- Available in larger sizes upon request.
- It is recommended that valves are installed a minimum of 8-10 pipe diameters from the pump.
- It is good engineering practice to fit a counter weight to valves incorporating an extended hinge pin
- Available in other materials and trims

OPTIONAL EXTRAS

- Flanged AS 2129 Table F Undrilled, can be drilled to table C,D,E, F or ANSI
- Extended hinge pin
- Counter weight
- Open/shut indicator
- Remote position indication
- No-flow limit switch
- Fusion bonded epoxy coating
- Special paint finish