

CHECK VALVE

Aluminium Bronze Dual Plate Wafer Type Check Valve

REF **EFC-238** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	2"-32"
Pressure	PN10 / JIS 5K / ANSI 125-PN16 / JIS 10K / ANSI 150
End connection	wafer (DIN PN10/16/25) / wafer (ANSI) / wafer (JIS)
Face-to-face	API 594
Temperature	null°C to 150°C
Media	Fresh water, Sewage, Sea water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis



STANDARDS

Design	API 594
Test	API 598, EN 12334

APPROVALS & CERTIFICATIONS

- LR (Lloyd's Register) approved
- ECM certified
- ISO
- EAC
- CE marked
- Bureau Veritas certified
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product

APPLICATIONS

- Shipbuilding
- Desalination plants
- Offshore platforms
- Industrial water systems

MATERIALS

body	Copper Alloy	disc	Nickel-Copper Alloy
stem	Nickel-Copper Alloy	seat	Elastomer, Fluoroelastomer

FEATURES

- Spring-loaded dual-plate design for rapid closure on flow reversal
- Low pressure drop
- Reduced water hammer in sensitive pipelines
- Supports horizontal and vertical upward flow installation
- Wafer construction for installation between standard flanges
- Dual-plate (split-disc) wafer check valve construction
- Central hinge pin/shaft with coil spring mechanism
- Four retaining/stop clips on hinge bar
- Elastomer seat lining (shown in blue) bonded to body bore
- Lifting eye bolt at top of body (part 1)
- Wafer-style body suitable for sandwiching between flanges
- Dimensions referenced: ØA (overall outer diameter), ØE (bore/seat diameter), B (face-to-face length)
- Flow direction indicated on sectional drawing

OPTIONS & NOTES

- Seat materials: EPDM, VITON, NBR etc.

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SECTION Dimensions per size REF EFC-238

SIZE	B	E	DIN_PN10_16	ANSI_150	JIS_10K
2" / DN50	43	66	107	102	101
2-1/2" / DN65	46	86	127	121	121
3" / DN80	64	95	142	133	131
4" / DN100	64	118	162	171	156
5" / DN125	70	146	192	193	187
6" / DN150	76	174	218	219	217
8" / DN200	89	225	273	276	267
10" / DN250	114	266	328	336	330
12" / DN300	114	311	378/382	406	375
14" / DN350	127	361	438/442	448	420
16" / DN400	140	411	488/495	511	483
18" / DN450	152	451	538/555	546	538
20" / DN500	152	506	592/617	603	593
24" / DN600	178	625	695/734	714	697
28" / DN700	229	721	809	828	807
32" / DN800	241	826	916	936	917

All dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.