

CHECK VALVE

Stainless Steel Dual Plate Check Valve

REF **EFC-307** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	DN50–DN1000
Pressure	PN10–PN16
End connection	wafer (DIN) / wafer (BS) / wafer (UNI) / wafer (ISO) / wafer (ANSI) / wafer (AS) / wafer (JIS)
Face-to-face	API 594, API609, BS5155, DIN3202, ISO5752
Temperature	null°C to 150°C
Media	Fresh water, Sewage, Sea water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis

ACTUATION

- manual
- worm gear
- pneumatic
- electric

STANDARDS

Design	API 594
Test	API 598



APPROVALS & CERTIFICATIONS

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

APPLICATIONS

- HVAC
- Water Supply & Sewage
- Food & Beverage
- Chemical/Petrochemical processing
- Power and Utilities
- Paper and Pulp
- Ship Building
- Marine pipelines
- Water treatment

MATERIALS

body	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel	plate	Ductile Iron, Carbon Steel, Stainless Steel
spring	Stainless Steel	hinge pin	Stainless Steel
body bearing	PTFE	spring bearing	PTFE
stop pin	Stainless Steel	eye bolt	Carbon Steel
body seat	Elastomer, Fluoroelastomer	body (cast)	CF8M (stainless steel)
seat seal	VITON	body (alternative)	Al01 (aluminium)
disc	Ductile Iron, Carbon Steel, Stainless Steel	seat	Elastomer, Fluoroelastomer
stem	Stainless Steel		

FEATURES

- Spring-loaded dual plate design closes rapidly upon flow reversal
- Wafer-type body for compact installation between flanges
- Lower pressure drop compared to traditional swing check valves
- Supports horizontal and vertical upward flow installation
- Corrosion-resistant stainless steel construction
- Dual-plate (split-disc) wafer check valve design with spring-assisted closure
- Single-plate (swing-disc) wafer check valve variant also shown
- Lifting eye bolt fitted to body at top
- Spring-loaded central hinge pin assembly
- Rubber/elastomer seat lining (shown in blue in sectional diagram)
- Flow direction arrow cast onto body
- Dimensions ØA (outer flange diameter), ØE (bore/inner diameter), B (face-to-face length) indicated on sectional drawing

OPTIONS & NOTES

- Operating mode: manual, worm gear, pneumatic, electric, etc.
- Working Pressure: PN16 (200PSI) stated in product header

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SECTION Technical drawing REF EFC-307

