

CHECK VALVE

Wafer Type Single Disc Swing Check Valve

REF **EFC-319** 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

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

APPLICATIONS

- HVAC
- Water treatment
- Industrial pipelines
- Horizontal flow installations
- Vertical upward flow installations

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	disc	Ductile Iron, Carbon Steel, Stainless Steel
seat	Elastomer, Fluoroelastomer		

FEATURES

- Single disc swing check mechanism; disc opens under forward flow and closes on flow reversal
- Wafer-type body fits between standard flanges
- Low-pressure drop design
- Suitable for horizontal and vertical upward flow installations
- Multiple seat material options (NBR, EPDM, Viton, Neoprene) for different media compatibility
- Wafer-pattern dual-plate (double-door) check valve
- Blue epoxy-coated ductile/cast iron body
- Stainless steel disc plates (casting mark CF8 visible)
- Central spring-loaded hinge mechanism
- Lifting eye bolt fitted to body
- Dimensions defined by: ØA (overall flange OD), ØE (bore/seat diameter), B (face-to-face length)
- Flow direction indicated on sectional drawing
- 10 numbered components visible in sectional diagram: (1) lifting eye bolt, (2) hinge pin/shaft upper, (3) disc plate upper, (4) disc plate lower, (5) body lower, (6) seat/seal ring lower, (7) central spring, (8) body upper, (9) seat/seal ring upper, (10) body wafer shell

OPTIONS & NOTES

- Operating mode listed as: manual, worm gear, pneumatic, electric, etc.

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SECTION Technical drawing REF EFC-319

