

CHECK VALVE

RDCV – Rubber Disc Check Valve

REF **EFC-382** ISSUED 11 Jun 2026

SPECIFICATIONS

Size	DN50–DN600
Pressure	PN10–PN16
End connection	flanged (EN 1092-2)

STANDARDS

Design	EN 12334, BS EN 1074-3, BS EN 558
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APPROVALS & CERTIFICATIONS

- WRAS
- ISO 9001

COATINGS & LINING

- Fusion-bonded epoxy

APPLICATIONS

- Water distribution
- Irrigation
- Low-pressure systems
- Water supply



MATERIALS

body	Ductile Iron EN GJS 500-7	bonnet	Ductile Iron EN GJS 500-7
disc	Steel C45E4 + EPDM / NBR, nylon-reinforced fabric		

FEATURES

- The RDCV uses a flexible rubber disc that deflects to allow forward flow and returns to seat on flow reversal
- The all-rubber disc provides tight shut-off without a metal disc that could damage seat surfaces
- Suitable for clean water distribution, irrigation networks and low-pressure applications
- Simple construction with no external bearings, pivots or springs

PRESSURE-TEMPERATURE RATING

CLASS	TEMPERATURE	MAX PRESSURE
PN16	-10°C	16 bar
PN16	80°C	16 bar

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SECTION Technical drawing 1 REF EFC-382



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SECTION Dimensions per size REF EFC-382

SIZE	L	D1_PN10	D2_PN10	C	D1_PN16	D2_PN16
DN50	203	165	125	19	—	—
DN65	216	185	145	19	—	—
DN80	241	200	160	19	—	—
DN100	292	220	180	19	—	—
DN125	330	250	210	19	—	—
DN150	356	285	240	19	—	—
DN200	495	340	295	20	—	—
DN250	622	395	350	22	405	355
DN300	698	445	400	24.5	460	410
DN350	787	505	460	24.5	520	470
DN400	914	565	515	24.5	580	525
DN450	914	615	565	25.5	640	585
DN500	978	670	620	26.5	715	650
DN600	1067	780	725	30	840	770

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