

ERHARD ECR Check Valves PN 10

of cast iron, double disc wafer type

Range of application³⁾

Size DN ¹⁾	Pressure rating PN ¹⁾	Hydrost. test pressure ⁶⁾ in bars for		Max. adm. working pressure in bars at a working temperature of + 80 °C
		body water	seat water	
450 - 600	10	17	11	10

When placing the order, please specify flow medium, working pressure, effective back pressure, working temperature, and position of installation.

Wafer type for mounting between flanges to EN 1092-2, PN 10.

Materials/Equipment²⁾

	Material variants	
Range of sizes	DN 450 - 600	DN 450 - 600
Body	Lamellar cast iron EN-JL1040 ⁴⁾	
Valve disc	Ductile cast iron EN-JS1030 ⁵⁾	Stainless steel
Disc facing ring ²⁾	NBR / Buna N	NBR / Buna N
Shaft	Austenitic CrNi steel	
Spring ²⁾	Stainless spring steel	
Corrosion protection	Internal and external epoxy coating, blue, RAL 5015	

Dimensions

Size DN	Face-to- face dim. ⁷⁾ L mm	Outside diameter D mm	Disc space requirement			Weight net approx. kg	Volume m ³
			a mm	b mm	r mm		
450	152	541	420	152	217	100	0,045
500	152	596	480	175	247	120	0,059
600	178	698	585	222	299	180	0,096

¹⁾ Other sizes and pressure ratings available on request.

²⁾ Other materials available on request.

³⁾ The catalogue feature is suitable for installation in vertical as well as horizontal pipelines with flow from below upwards. For installation in vertical pipelines with flow from above downwards, type with reinforced return spring is necessary. For this position of installation please order as follows: Type for position of installation "A52".

⁴⁾ Corresponding to former DIN description 0.6125 (GG-25).

⁵⁾ Corresponding to former DIN description 0.7040 (GGG-40).

⁶⁾ According to EN 12266 and EN 1074.

⁷⁾ According to EN 558-1, FTF, basic serie 48 (DIN 3202, basic serie F6).

