

## ERHARD ECR Check Valves PN 25

double disc wafer type

### Range of application<sup>3)</sup>

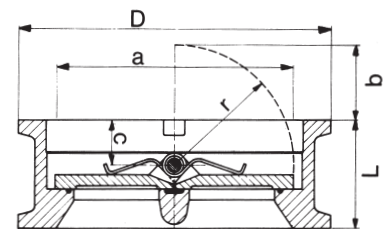
Size DN <sup>1)</sup>	Pressure rating PN <sup>1)</sup>	Hydrost. test pressure <sup>6)</sup> in bars for		Max. adm. working pressure in bars at a working temperature of + 80 °C
		body water	seat water	
40 - 400	25	37,5	27,5	25

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 25.

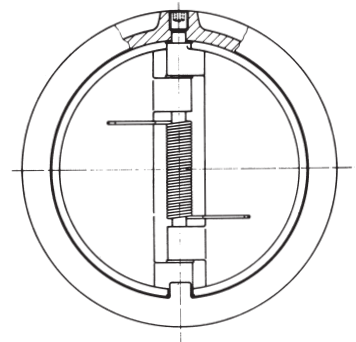
### Materials/Equipment<sup>2)</sup>

	Material variants	
Range of sizes	DN 40 - 400	DN 125 - 400
Body DN 40 - 400	Ductile cast iron EN-JS1030 <sup>5)</sup>	
Valve disc	Stainless steel	Cast steel GS-C25N
Disc facing ring <sup>2)</sup>	NBR / Buna N	NBR / Buna N
Shaft	Austenitic CrNi steel	
Spring <sup>2)</sup>	Stainless spring steel	
Corrosion protection	Internal and external epoxy coating, blue, RAL 5015	



### Dimensions

Size DN	Face-to-face dim. <sup>7)</sup> L mm	Outside diameter D mm	Disc space requirement			Weight net approx. kg	Volume m <sup>3</sup>
			a mm	b mm	r mm		
40	43 <sup>4)</sup>	94	38	12	33	1,3	0,004
50	43	109	50	12	33	1,5	0,005
65	46	129	52	12	33	2,4	0,008
80	64	144	70	18	41	3,8	0,002
100	64	164	95	28	52	5	0,002
125	70	194	128	35	70	6,8	0,003
150	76	220	132	33	70	8	0,004
200	89	284	192	60	104	15	0,007
250	114	341	244	81	126	28	0,013
300	114	403	295	100	153	34	0,017
350	127	460	320	108	168	53	0,025
400	140	516	380	137	195	70	0,034



<sup>1)</sup> Other sizes and pressure ratings available on request.

<sup>2)</sup> Other materials available on request.

<sup>3)</sup> 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".

<sup>4)</sup> Face-to-face dimension DN 40 not according to EN 558-1, basic serie 16 (DIN 3230, series K3).

<sup>5)</sup> Corresponding to former DIN description 0.7040 (GGG-40).

<sup>6)</sup> According to EN 12266 and EN 1074.

<sup>7)</sup> According to EN 558-1, FTF, basic serie 16 (DIN 3202, basic serie K3).