

## ERHARD ECR Check Valves PN 16

double disc wafer type

### Range of application<sup>9)</sup>

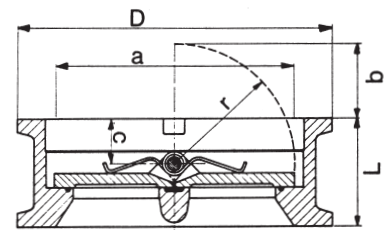
Size DN <sup>1)</sup>	Pressure rating PN <sup>1)</sup>	Hydrost. test pressure <sup>7)</sup> in bars for		Max. adm. working pressure in bars at a working temperature of + 80 °C
		body water	seat water	
40 - 600	16	25	17,6	16

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 16.

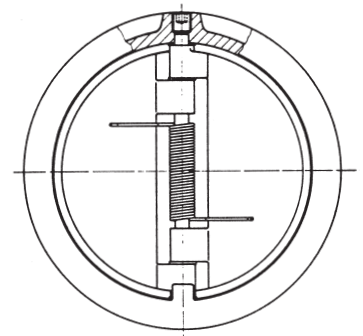
### Materials/Equipment<sup>2)</sup>

Range of sizes	Material variants		
	DN 40 - 100	DN 125 - 600	DN 40 - 600
Body DN 40 - 400 Body DN 450 - 600	Lamellar cast iron EN-JL1040 <sup>5)</sup> Ductile cast iron EN-JS1030 <sup>6)</sup>	Prod. No. 5703 0700 Prod. No. 5703 5600	
Valve disc DN 40-400 Valve disc DN 450-600	Brass	Ductile cast iron EN-JS1030 <sup>6)</sup> Cast steel GS-C25N	Stainless steel
Disc facing ring <sup>2)</sup>	NBR / Buna N	NBR / Buna N	NBR / Buna N
Shaft	Austenitic CrNi steel		
Spring <sup>2)</sup>	Stainless spring steel		
Corrosion protection	<b>EKB</b> epoxy coating, blue, RAL 5015		



### Dimensions

Size DN	Face-to-face dim. <sup>9)</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	275	192	60	104	15	0,007
250	114	330	244	81	126	28	0,013
300	114	380	295	100	153	34	0,017
350	127	440	320	108	168	53	0,025
400	140	491	380	137	195	70	0,034
450	152	558	420	152	217	100	0,045
500	152	620	480	175	247	120	0,059
600	178	735	585	222	299	180	0,096



<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 0.6125 (GG-25).

<sup>6)</sup> Corresponding to former DIN description 0.7040 (GGG-40).

<sup>7)</sup> According to EN 12266 and EN 1074.

<sup>9)</sup> According to EN 558-1, FTF, basic serie 16 (DIN 3202, basic serie K3).