

## GB 021 DN 15 - 100 • 1/2" - 4"

### Features:

#### Flange:

DN 15÷100 PN 10÷16

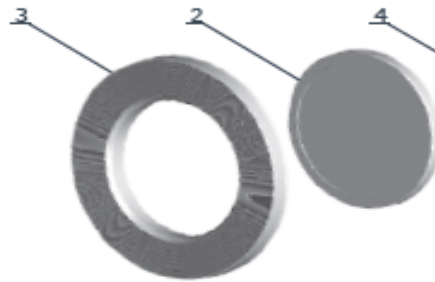
Max working pressure: 6 Bar

Max working temperature: 110°C

This type of valve cannot be used with spirometallic packing.



On request spring can be coated with a PTFE pipe sealed at the end.



## GB 023 DN 15 - 100 • 1/2" - 4"

### Flange:

DN 15÷100 PN 10÷16

Max working pressure: 6 Bar

Max working temperature: 180°C

### Certifications:



Note: assembly GB 023 with PN6 / ANSI150 flanges is possible without stainless steel jacket.

			GB 021	GB 023
item	q.ty	part	material	material
1	1	body	• polypropylene (PP)	• PTFE
2	1	disc	• polypropylene (PP)	• PTFE
3	1	seat	• polypropylene (PP)	• PTFE
4	1	spring <i>on request</i>	• A316 • AISI 316+Niflon • Hastelloy	• Hastelloy C4 • AISI 316+PTFE • AISI 316+Niflon
5	1	jacket		• AISI 304

special spring table									
DN	15	20	25	32	40	50	65	80	100
50 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
100 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
200 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
300 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
500 mBar	Y	Y	Y	Y	Y	Y	N	N	N

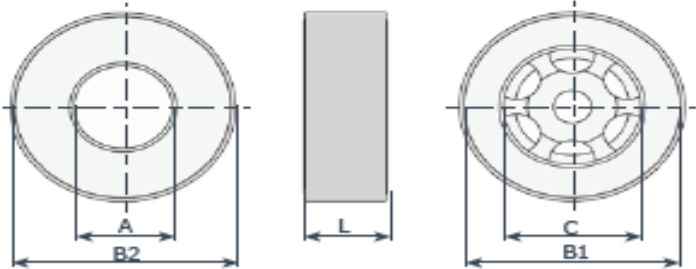
Y = available / N = not available  
Opening values may vary ±10%

minimum opening pressure with standard springs										
flow	DN	15	20	25	32	40	50	65	80	100
△	mBar	23	23	24	25	26	26	27	27	29
▷	mBar	22	22	22.5	23	23.5	23.5	24	24	25
▽	mBar	21	21	21	21	21	21	21	21	21
△ w/o spring	mBar	1	1	1.5	2	2.5	2.5	3	3	4

	DN	15	20	25	32	40	50	65	80	100
screw		4x M12	4x M12	4x M12	4x M16	4x M16	4x M16	4x M16	4x M16	8x M16
tightening torque Nmt		10	10	20	35	35	35	40	40	45

### Note for installation:

Centre the valve carefully before tightening the flanges. Tighten the flange screws by applying the torque values shown nearby. Remember to cross tighten the screws. These values are measured at room temperature with new screws and lubricated threads.



	DN	15	20	25	32	40	50	65	80	100
A		15	20	25	32	38	47	63	79	96
B1		44	54	64	75	85	96	116	133	154
B2		50	60	70	80	90	107	130	140	162
C		30	38	45	56	65	78	95	100	120
L		16	19	22	28	32	40	46	50	60
GB 021 Kg		0.03	0.04	0.06	0.09	0.13	0.22	0.32	0.4	0.6
GB 023 Kg		0.11	0.16	0.24	0.32	0.4	1	1.4	1.7	2.2