

### GB 015 DN 15 - 100 • 1/2" - 4"

#### Features

DN 15/100: P max: 52 Bar

Flange:

DN 15÷80

PN 6÷40, A150÷300

DN 100

PN 10÷40, A150÷300

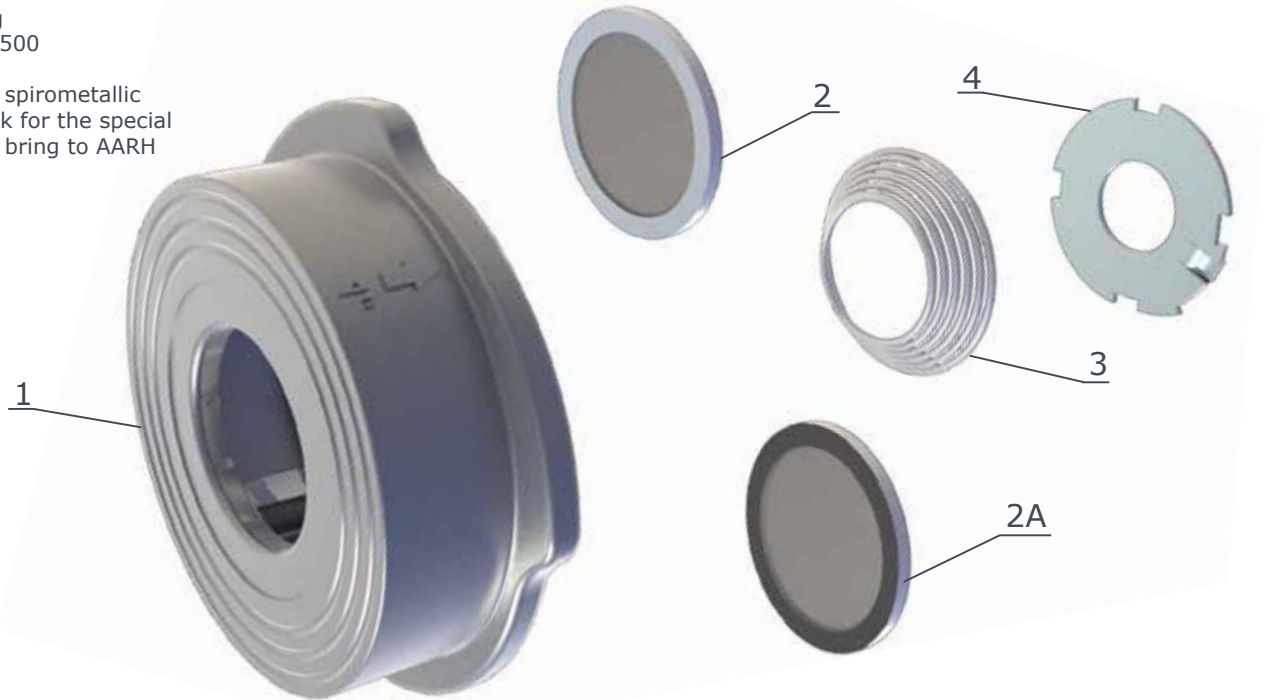
Final quality

Face A: raw casting

Face B: AARH 250/500

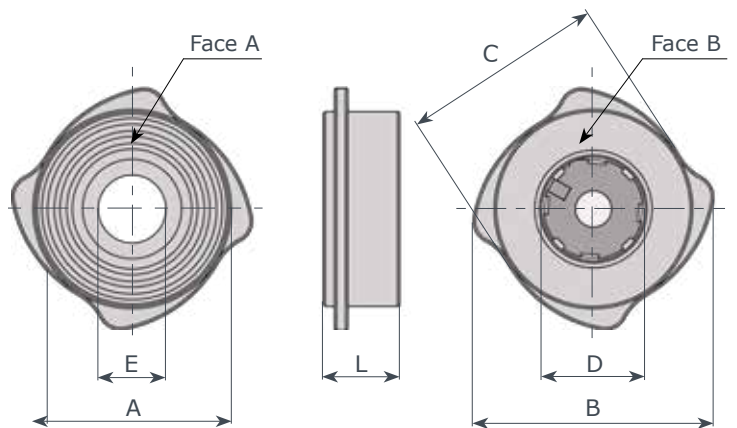
In case of use with spirometallic packing API 601 ask for the special machining that will bring to AARH 250/500 quality.

#### Certifications



Leakage:  
according to EN 12266-1 Rate A with soft seat,  
according to EN 12266-1 Rate E with metal seat.

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iem	q.ty	part	material
1	1	body	• EN 1.4408 (A351 CF8M)
2	1	disc	• EN 1.4404 (A316L)
2A	1	on request	• EN 1.4404 (A316L) + NBR • EN 1.4404 (A316L) + EPDM • EN 1.4404 (A316L) + FKM
3	1	spring standard	• EN 1.4401 (A316)
4	1	stop ring	• EN 1.4404 (A316L)



minimum opening pressure with standard springs										
flow	DN	15	20	25	32	40	50	65	80	100
△	mBar	25	25	25	27	28	30	30	25	21
▷	mBar	23	23	23	25	23	24	24	19	15
▽	mBar	21	21	21	22	18	18	18	13	9
△ without spring	mBar	nd	nd	nd	nd	nd	nd	nd	nd	nd

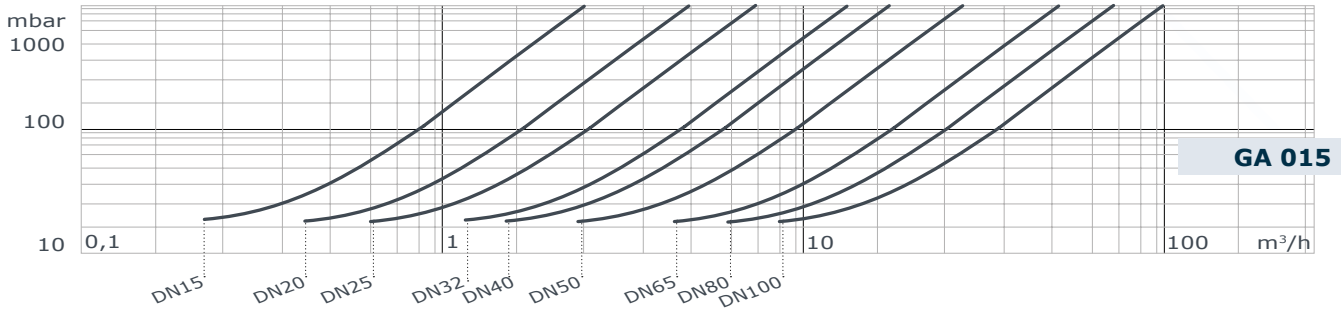
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DN	15	20	25	32	40	50	65	80	100
<b>A</b>	43	48	58	68	75	94	113	129	159
<b>B</b>	54	64	71	81	93	110	130	149	181
<b>C</b>	45	54	63	72	82	95	115	131	160
<b>D</b>	23	28	36	50	58	71	86	105	130
<b>E</b>	14	19	25	31	38	48	62	77	95
<b>L</b>	17	20	22	28	32	40	46	50	60
<b>Kg</b>	<b>0.11</b>	<b>0.18</b>	<b>0.26</b>	<b>0.4</b>	<b>0.55</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3.2</b>

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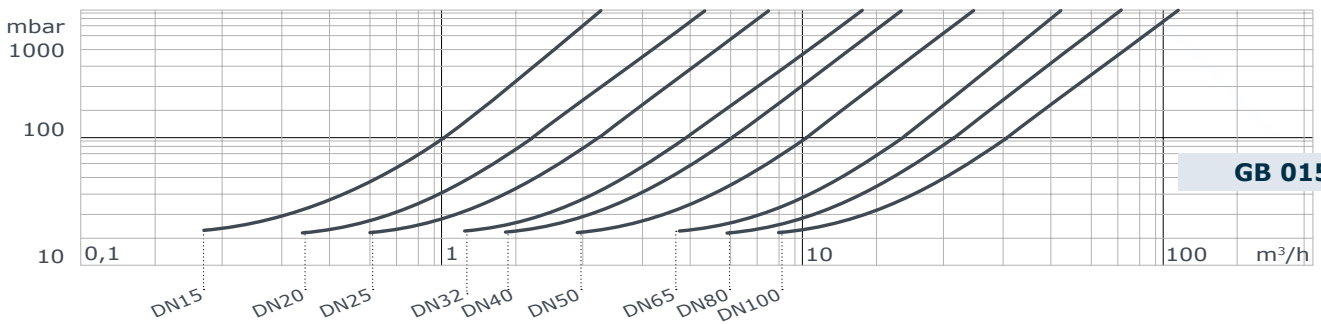
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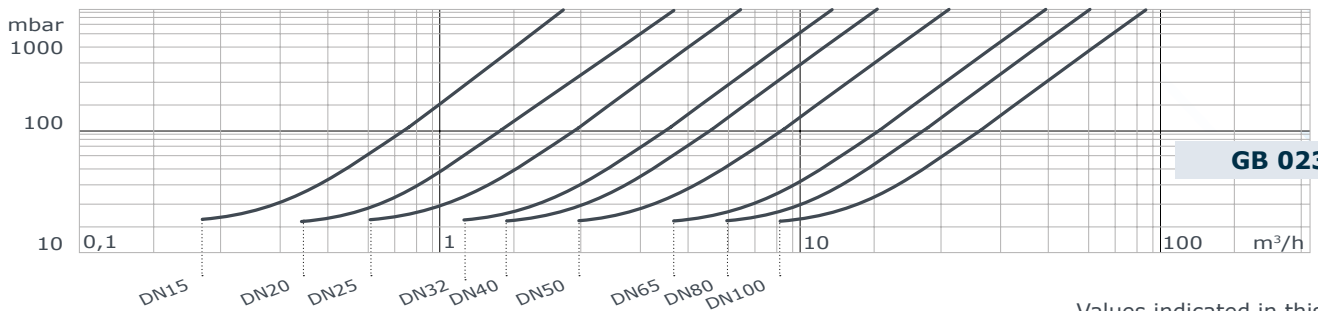
Head losses (H<sub>2</sub>O - 20°C - horizontal flow, standard spring)



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Values indicated in this table are only for informations

Formula for calculation of equivalent flow rate to H<sub>2</sub>O

$$Q_e = Q \sqrt{\frac{d}{1000}}$$

For different liquid, gas or steam head losses are determined by equivalent water flow rate, as follows:

$Q_e$  equivalent water flow (m<sup>3</sup>/h o l/s)

$Q$  fluid flow (m<sup>3</sup>/h o l/s)

$d$  fluid specific gravity (Kg/m<sup>3</sup>)

Temperature - pressure diagram

- a NBR seat Tmax = 95°C
- b EPDM seat Tmax = 130°C
- c FKM/PTFE seat Tmax = 200°C

- d Metallic seat Tmax = 250°C with EN 1.4401 (A316) spring
- e Metallic seat Tmax = 400°C with HASTELLOY C276 spring

