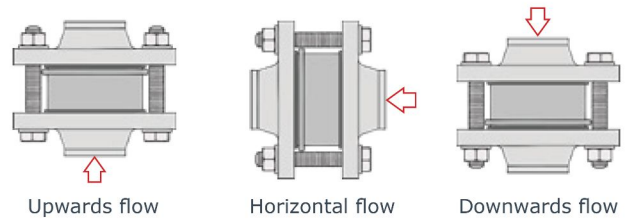


GT DN15 - 100 [1/2" - 4"] Pmax: 63/160bar

Features and Advantages

Little dimensions and low weights.
 Face to face acc. to **DIN EN 558-2**
Series 52 (DIN 3202 K5)
 Opening pressure from 20 to 500 mBar.
 No leakage with soft seat; acc. to DIN 3230 BN3 with metallic seat. Low head losses.
 Usable also as vacuum breaker, overpressure and bottom valve.

To be installed in any position



GT 015 - GT 115 P max: 160 Bar

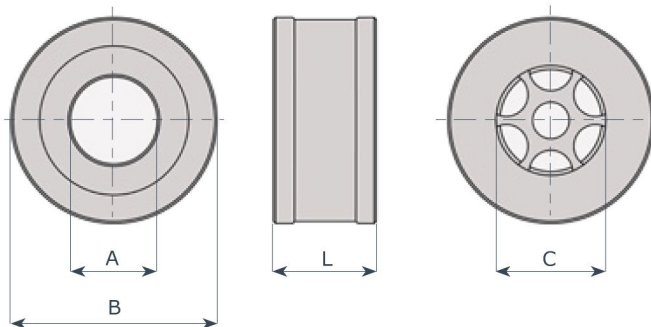
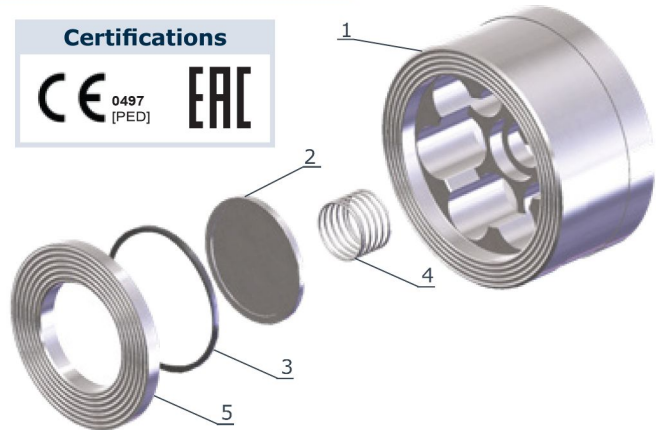
Flange: DN 15÷100 PN 63÷160, A600÷900

This type of valve cannot be used with spirometallic packing.

item	q.ty	part	GT 015	GT 115
			material	material
1	1	body	• A182 (AISI 316)	• Hastelloy B574/99
2	1	disc -standard	• A240 (AISI 316L)	• Hastelloy B574/99
3	1	O Ring	• NBR • EPDM • FKM • PTFE	• NBR • EPDM • FKM • PTFE
4	1	spring -standard on request	• (AISI 316) • Hastelloy C4	• Hastelloy C4
5	1	seat	• A182 (AISI 316)	• Hastelloy B574/99

minimum opening pressure with standard springs										
flow	DN	15	20	25	32	40	50	65	80	100
▲	mBar	25	25	25	27	29	29	31	32	33
▶	mBar	23	23	23	24	25	25	26	26	27
▽	mBar	21	21	21	21	21	21	21	21	21
▲ without spring	mBar	2	2	2	3	4	4	5	5	6

Certifications



GT Series									
DN	15	20	25	32	40	50	65	80	100
A	15	20	24	30	38	47	62	77	96
B	46	60	70	80	90	107	130	145	178
C	21	25	30	40	48	60	85	90	110
L	25	31.5	35.5	40	45	56	63	71	80
Kg	0.3	0.6	1	1.3	1.8	2.5	4	5.9	8

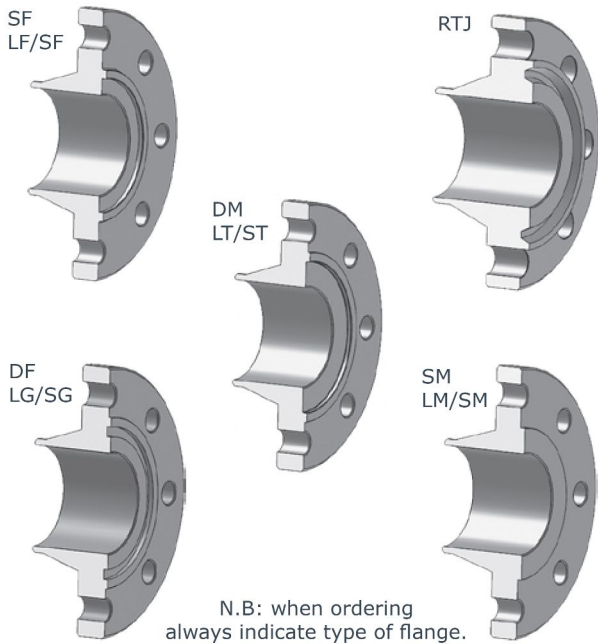
GN Series									
DN	15	20	25	32	40	50	65	80	100
A	15	20	24	31	38	47	62	77	96
B	46	56	69	75	85	107	125	138	165
C	21	25	30	40	48	60	88	90	110
L	25	31.5	35.5	40	45	56	63	71	80
Kg	0.3	0.6	1	1.3	1.8	2.5	4	5.9	8

Special spring table

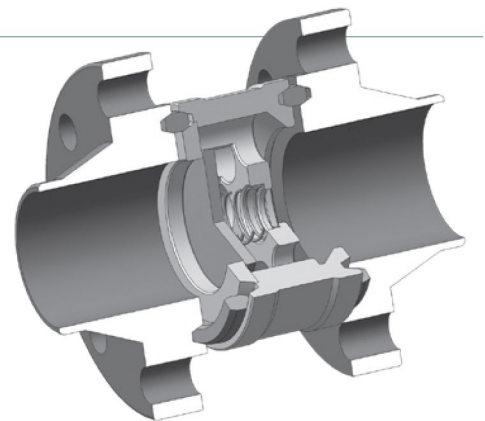
DN	15	20	25	32	40	50	65	80	100
50 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
100 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
200 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
300 mBar	Y	Y	Y	Y	Y	Y	Y	Y	Y
500 mBar	Y	Y	Y	Y	Y	Y	N	N	N

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

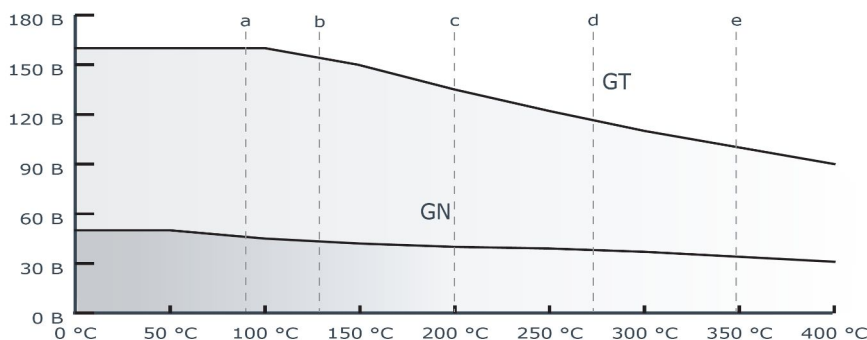
GN and GT valves can be inserted between following flanges:



Application of GT valves with ANSI RTJ flanges:

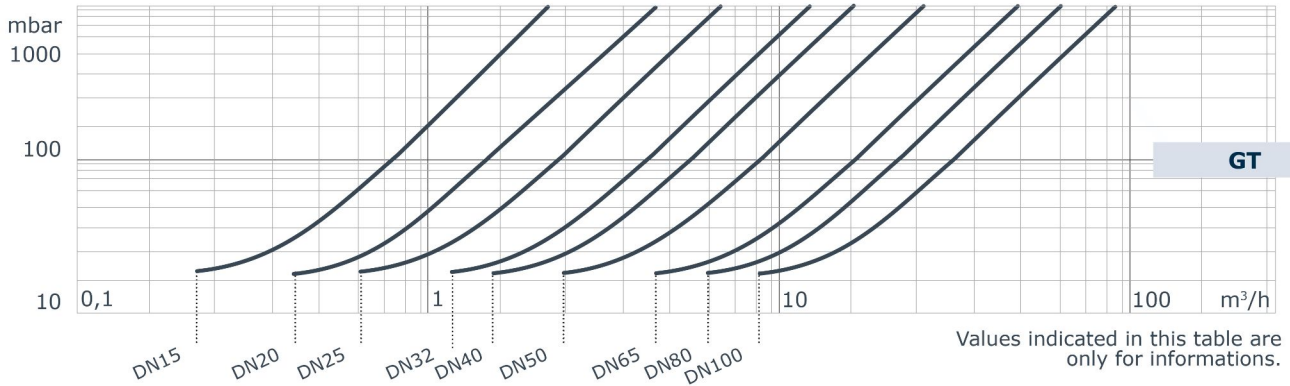


Temperature - pressure diagram



- a NBR TMAX = 95°C
- b EPDM TMAX = 130°C
- c FKM PTFE TMAX = 200°C
- d spring AISI 316 TMAX = 250°C
- e spring HASTELLOY C4 TMAX = 350°C

Head losses (H2O - 20°C - horizontal flow, standard spring)



Formula for calculation of equivalent flow rate to H2O

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

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

Q_e equivalent water flow (m³/h o l/s)

Q fluid flow (m³/h o l/s)

d fluid specific gravity (Kg/m³)



NOTES:

The valves presented in this catalog are manufactured in the EU by Ghibson Italia srl. according to our specifications