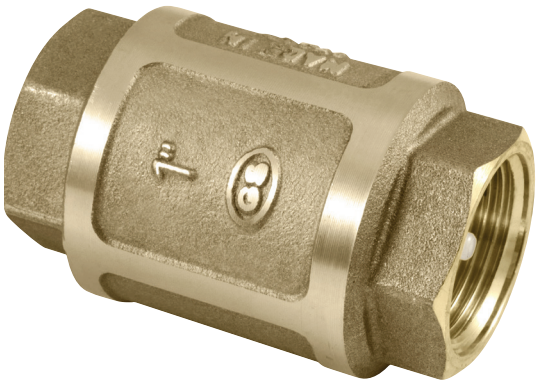
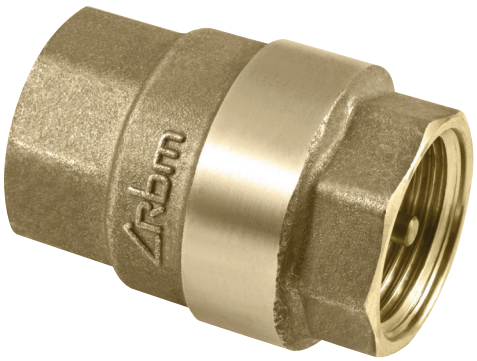


Rev. 11/2024

GS CHECK VALVE

Rev. 11/2024

GS CHECK VALVE



GAMMA DI PRODUZIONE

Code	PN [bar]	Size
3085380	16	3/8"
3085120	16	1/2"
3085340	16	3/4"
3085100	16	1"
3085040	16	1"1/4
3085020	16	1"1/2
3085200	16	2"
30822200	6	2"1/2
30823000	6	3"
30824000	6	4"

DESCRIPTION

Non-controllable check valve suitable for any type of system (industrial, pneumatic, hydraulic and residential). It can be mounted in a horizontal, vertical and oblique position.

The internal sealing device has been designed in order to withstand any overpressure of the circuit and always ensure maximum valve efficiency.

THE PURPOSE

The **non-controllable check valve** can be considered as a safety device to be inserted inside a circuit.

Its purpose is to enable the circulation of fluid inside the circuit solely in the direction imposed by the check valve and to prevent the fluid from flowing in the opposite direction with respect to that imposed by the valve.

USE

The **non-controllable check valve** can be used in industrial and residential systems and can be mounted in a horizontal, vertical and oblique position.

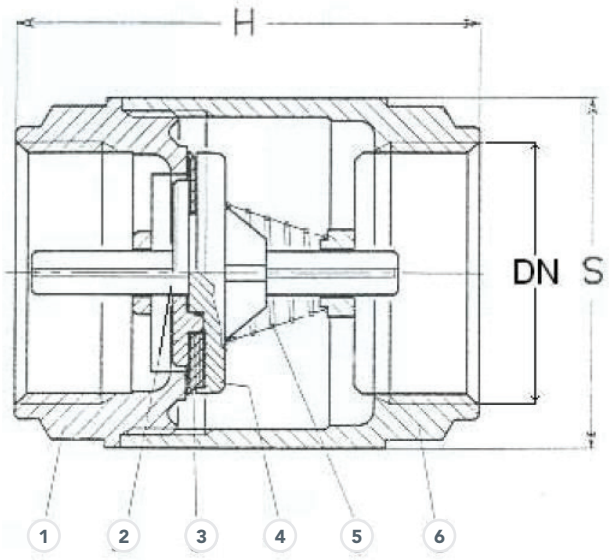
When mounting, **it is important to observe the direction shown by the arrow on the check valve body.**

In the event of circuit overpressure, the sealing system shutter rests directly on the stop in the check valve body, ensuring perfect closure of the valve.

TECHNICAL FEATURES

P_{max} operating pressure	refer to what is indicated in the table
T_{max} operating temperature	0°C ÷ 80 °C

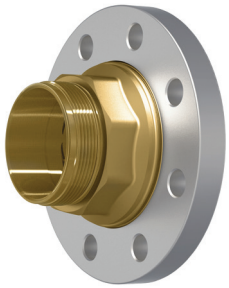
DIMENSIONAL / CONSTRUCTION FEATURES



Code	Size (G)	DN [mm]	H [mm]	S [mm]
3085380	3/8"	10	62	33
3085120	1/2"	15	62	34
3085340	3/4"	20	67	44
3085100	1"	25	82	53
3085040	1"1/4	32	87	65
3085020	1"1/2	40	94,5	73,5
3085200	2"	50	100	90,5
30822200	2"1/2	65	91	101
30823000	3"	80	105	110
30824000	4"	100	118	154

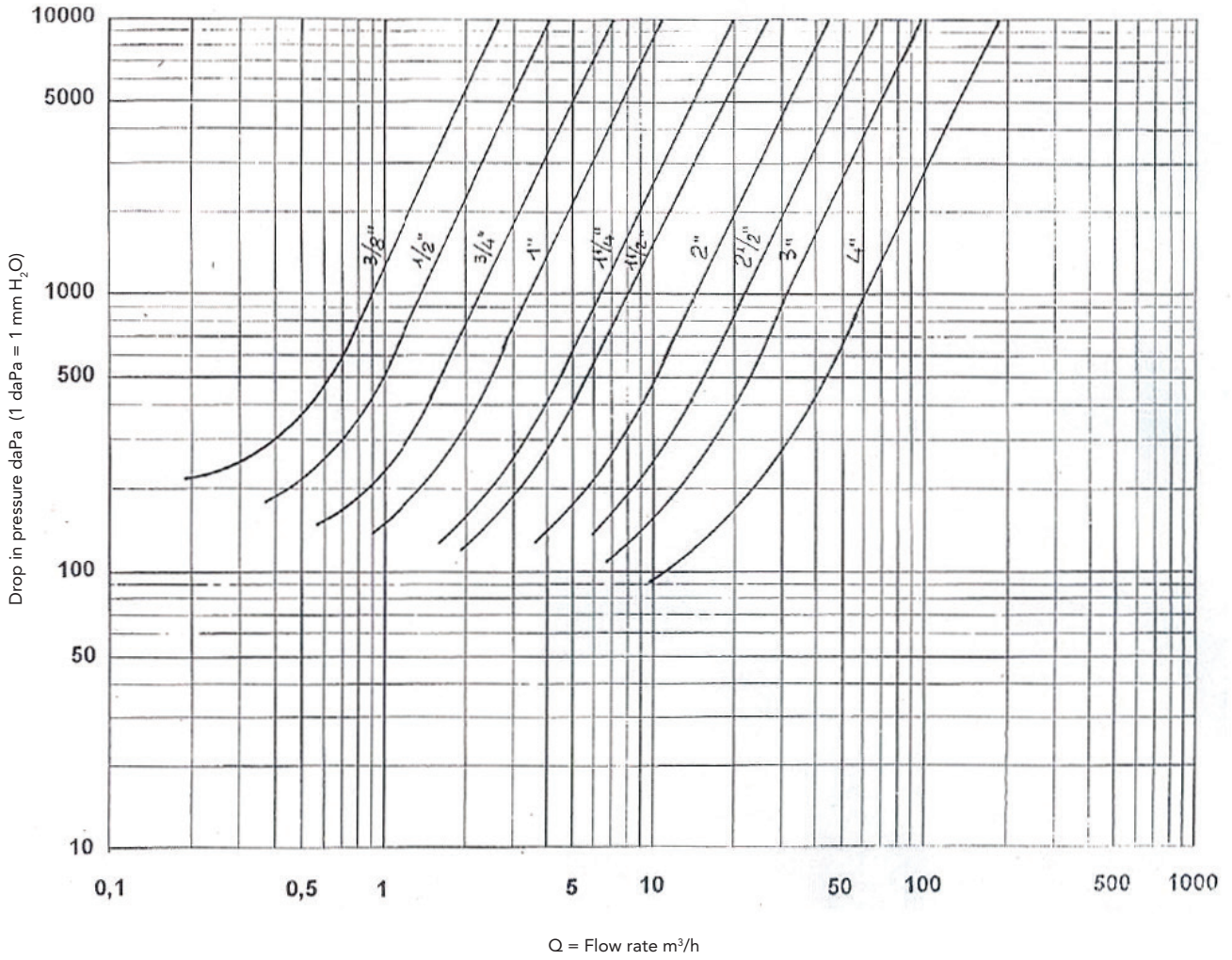
Ref.	Component	Material
1	Sleeve	Brass CW617
2	Shutter	PA6 natural polymer
3	Gasket	NBR
4	Shutter	PA6 natural polymer
5	Spring	AISI 302 stainless steel
6	Body	Brass CW617

ACCESSORIES

Product	Code	Size	DN	Description
	**120.09.00**	2"	DN50	**THREADED FLANGE PN 16** • Nickel-plated brass body; • UNI-EN-ISO 228/I M threaded connection; • Flange connection suitable for coupling with counter-flange UNI EN 1092-1 • P_{max} max. operating pressure: 16 bar; • Max. temperature: 150 °C.
	120.10.00	2"1/2	DN65	
	120.11.00	3"	DN80	
	120.13.00	4"	DN100	

Product	Code	Size	Description
	**3086 38I**	3/8"	**FILTER WITH THREADED FITTING** Coupled with the check valves it forms a valid protection for the pumps. • AISI 304L stainless steel filter • Nylon 6.6 threaded fitting • Max operating temperature: 90 °C
	3086 12I	1/2"	
	3086 34I	3/4"	
	3086 10I	1"	
	3086 04I	1"1/4	
	3086 02I	1"1/2	
	3086 20I	2"	
	3086 22	2"1/2	
	3086 30	3"	
	3086 40	4"	

PRESSURE DROP DIAGRAM



VALVE INSTALLATION

a) We recommend installing the valve using suitable tools only;

b) We recommend installing and tightening the valve using only the sleeve that is in contact with the pipe thread.

SAFETY REGULATIONS AND FIELD OF APPLICATION

a) Before every installation, check the maximum pressure limit stated on the valve body, referring to the operating temperature at 20 °C. Example: PN 16, max. pressure 16 bar for water;

b) The fluid passing through the valve must not contain suspended solids, soiling and/or abrasive substances, that are not compatible with copper and alloys;

c) No maintenance is required on the valve;

d) With the use of water and/or liquids in general, the operating temperature must not drop below their freezing point.

SPECIFICATIONS

3085 SERIES

Check valve, FF connections. Suitable for water. Brass body. NBR OR gasket. Shutter made of PA6 natural polymer. Stainless steel spring. Threaded connections FF UNI-EN-ISO 228. Maximum operating pressure 16 bar (for sizes 3/8" ÷ 2") / Maximum operating pressure 6 bar (for sizes 2"1/2 ÷ 4"). Operating temperature with water 0 ÷ +80 °C. Available sizes 3/8" ÷ 4".

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