

# **CHECK VALVE**



PRODUCTION RANGE						
Connections	Rod	PN [bar]	Size	Code	Kv [m³/h]	
THREADED FF UNI-EN-ISO 228	BRASS	25	1/2"	860.04.02	3,11	
			3/4"	860.05.02	6,39	
			1"	860.06.02	10,11	
		16	1"1/4	860.07.02	16,67	
			1"1/2	860.08.02	24,62	
			2"	860.09.02	38,84	
		6	2"1/2	3082 22	-	
			3"	3082 30	-	
			4"	3082 40	-	
	PLASTIC	25	1/2"	860.04.12	3,11	
THREADED FF UNI-EN-ISO 228			3/4"	860.05.12	6,39	
			1"	860.06.12	10,11	
		16	1"1/4	860.07.12	16,67	
			1"1/2	860.08.12	24,62	
			2"	860.09.12	38,84	
THREADED MM UNI-EN-ISO 228	PLASTIC	25	1/2"	1851.04.10	3,11	
			3/4"	1851.05.10	6,39	
			1"	1851.06.10	10,11	

# DESCRIPTION

<u>Non-controllable retaining valve</u>, suitable for all types of systems (industrial, pneumatic, hydraulic and residential). It can be located in horizontal, vertical and oblique position.

The internal sealing device was designed so as to withstand circuit overpressure and to always guarantee greatest valve efficiency.

#### PURPOSE

<u>The non-controllable retaining valve</u> can be considered as a safety means to be inserted inside a circuit.

It has the purpose of allowing the circulation of the fluid inside the circuit only in the direction imposed by the retaining valve and to prevent the fluid from flowing in the opposite direction from the direction imposed by the valve.

#### USE

<u>The non-controllable retaining valve</u> can be used in industrial and residential systems and can be mounted in horizontal, vertical and oblique position.

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

In the case where overpressure is present in the circuit, the shutter of the sealing system is placed directly on the stop present in the body of the retaining valve and it guarantees perfect closure of the valve.

#### CONSTRUCTION CHARACTERISTICS

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Body Ring Spring Gaskets Threaded connections brass DIN 17660 brass DIN 17660 AISI 302 EPDM + PEROX FF UNI-EN-ISO 228 MM UNI-EN-ISO 228

### **TECHNICAL CHARACTERISTICS**

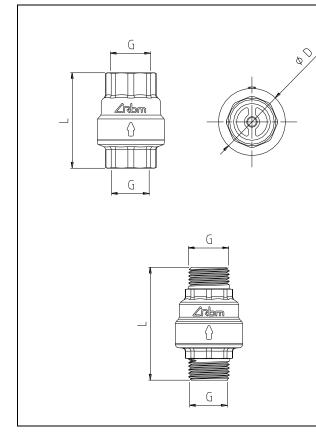
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 $\begin{array}{l} P_{max} \mbox{ Maximum operating pressure :} \\ P_{min} \mbox{ Minimum opening pressure :} \\ T_{max} \mbox{ Maximum operating temp. :} \end{array}$ 

25/16/6 bar 0,04 bar (4 KPa) 0° ÷ 90 °C (water) -20° ÷ 110°C (air) water, air

Fluid used

### DIMENSIONAL CHARACTERISTICS



Code	Size (G)	DN [mm]	L [mm]	ØD [mm]
860.04.X2	1/2"	15	49	34,5
860.05.X2	3/4"	20	57	40,5
860.06.X2	1"	25	68	48,5
860.07.X2	1" 1/4	32	70	58,5
860.08.X2	1" 1/2	40	75	68,5
860.09.X2	2"	50	81	85
3082 22	2" 1/2	65	-	-
3082 30	3"	80	-	-
3082 40	4"	100	-	-

Code	Size (G)	DN [mm]	A [mm]	ØD [mm]
1851.04.10	1/2"	15	58	34,5
1851.05.10	3/4"	20	65,3	40,5
1851.06.10	1"	25	80	48,5

# ACCESSORIES



#### THREADED FLANGE PN16

- Body made of nickel-plated brass;
- Threaded connection M UNI-EN-ISO 228/I;

- Flange connection UNI 2223 PN 16 DIN 2566 PN 16;

- P<sub>max</sub> maximum operating pressure: 16 bar;
- Max. temperature: 150 °C;

Code	Size	DN
120.04.00	1/2"	DN15
120.05.00	3/4"	DN20
120.06.00	1"	DN25
120.07.00	1"1/4	DN32
120.08.00	1"1/2	DN40
120.09.00	2"	DN50
120.10.00	2"1/2	DN65
120.11.00	3"	DN80
120.13.00	4"	DN100



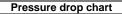
#### FILTER WITH THREADED FITTING

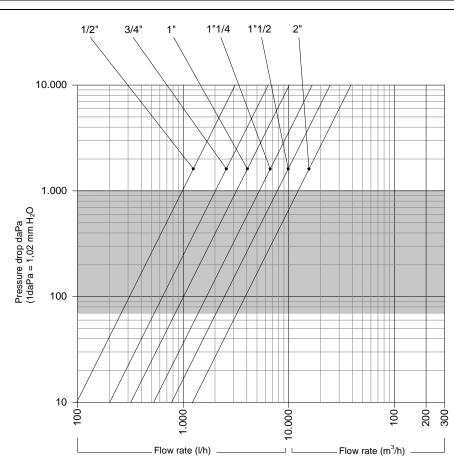
Combined with retaining valves, this filter protects pumps

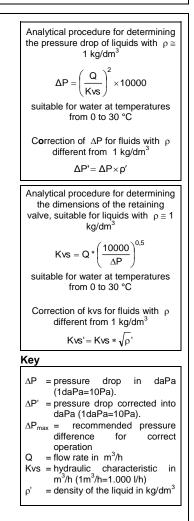
- Filter made of AISI 304L stainless steel Threaded fitting 6.6
- Maximum operating temperature: 90 °C

Code	Size
859.04.02	1/2"
859.05.02	3/4"
859.06.02	1"
859.07.02	1" 1/4
859.08.02	1" 1/2
859.09.02	2"

## FLUID-DYNAMIC CHARACTERISTICS







QUICK CHOICE OF A RETAINING VALVE*				
		TRANSIT WATER FLOW RATE [I/h]		
SIZE	Kv	with ΔP 1000 Pa	with ΔP 10.000 Pa	
1/2"	3,11	301	952	
3/4"	6,39	639	2.020	
1"	10,11	1.011	3.197	
1"1/4	16,67	1.667	5.270	
1"1/2	24,62	2.462	7.785	
2"	38,84	3,884	12.280	
2"1/2	-	-	-	
3"	-	-	-	
4"	-	-	-	

\* This table has the purpose of providing technicians with only a quick indicative reference and of allowing them to combine the component chosen with a certain system size. The values shown in the table are not binding. They are only limit values referring to the performance of components. www.rbm.eu





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Technical data sheet CT0860.0-ENG\_05