

FERRO®



NEW

F-POWER

CHECK VALVES AND

SUCTION BASKETS

NEW

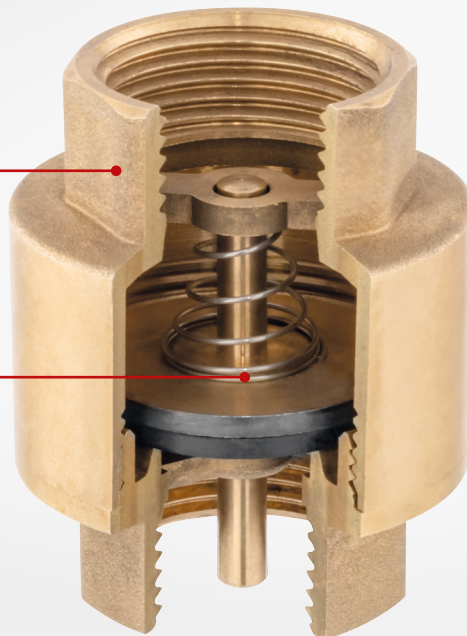
F-Power check valves and suction baskets

Check valves are devices that allow the medium to flow in only one direction and automatically prevent backflow. They operate maintenance-free – the pressure of the fluid opens or closes the mechanism. Thanks to their reliable design, they are used in domestic water systems, central heating, and cooling installations. The operation of F-Power check valves is quiet due to the use of noise-reducing components.



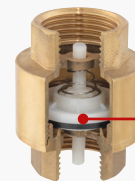
Brass body
CW617N-4MS

Spring
AISI 304



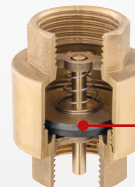
ABS disc

ZZ-V models



Brass disc

ZZM-V models



Applications

**Cold and hot domestic water installations.
Heating and cooling systems for buildings.**

Advantages

→ **Two valve versions**

- with ABS disc
- with CW617N-4MS brass disc

→ **Product ready for retail** – each sales unit has its own EAN code

→ **Quiet system operation**

Discs equipped with noise-reducing elements

→ **Easy maintenance**

Detachable suction basket

→ **Any mounting position**

→ **Additional gasket**



Technical specifications

Installation medium ▾



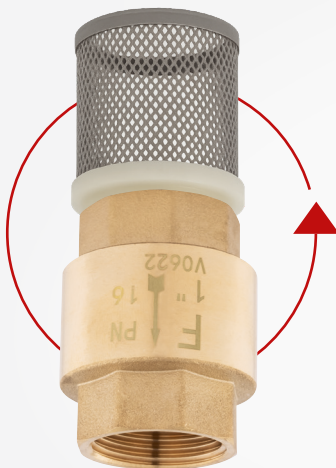
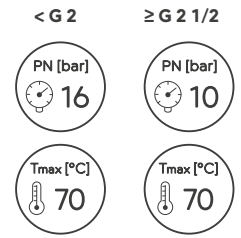
Body material ▾



Operating parameters (brass disc) ▾



Operating parameters (ABS disc) ▾



Installation in any position

The check valve with a suction basket can be installed in any position consistent with the intended direction of flow – vertically, horizontally, or even upside down – providing great flexibility during system design and installation. This eliminates concerns about space limitations or complex pipe routing, while the integrated strainer basket effectively traps impurities (such as sand or sediment), protecting the pump and other components from damage.



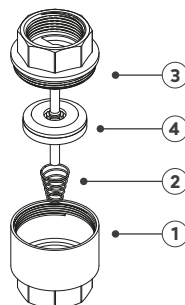
Easy basket removal

The new threaded basket mounting allows for quick and easy replacement and cleaning – without the need for glue or disassembling the entire valve. This design significantly shortens service time, simplifies system maintenance, and minimizes the risk of failures and operational downtime.

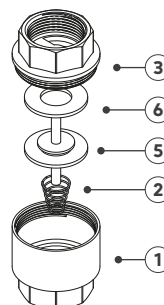
Construction and materials

- 1 **Body**
CW617N-4MS, PN-EN 12165:2016
- 2 **Spring**
AISI 304
- 3 **Valve cover with metric thread**
CW617N-4MS, PN-EN 12165:2016
- 4 **Disc with gasket**
ABS + EPDM
- 5 **Disc with stem**
CW617N-4MS, PN-EN 12165:2016
- 6 **Gasket**
EPDM
- 7 **Suction basket**

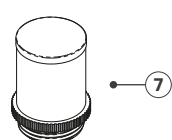
ZZ•V ▾



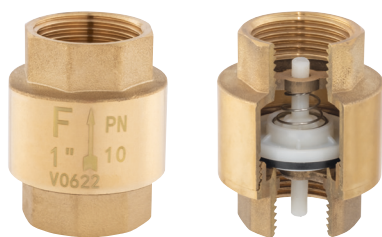
ZZM•V ▾



KS• ▾

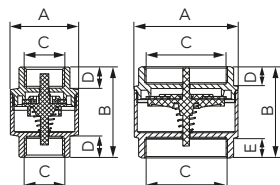


CHECK VALVES

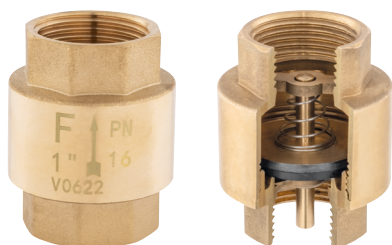


Check valve with plastic closing element

- female - female
- maximum operating temperature 70°C
- nominal pressure: 10 bar
- float material: ABS, EPDM
- body material: CW617N-4MS
- spring material: stainless steel AISI 304
- medium: water, water/glycol mixture

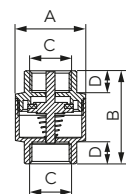


DN	A [mm]	B [mm]	C [cal]	D [mm]	E [mm]	Index
15	35,5	47,0	G 1/2	11,0	-	ZZ1V
20	41,8	51,0	G 3/4	12,0	-	ZZ2V
25	47,2	59,0	G 1	14,0	-	ZZ3V
32	59,2	64,0	G 1 1/4	14,0	-	ZZ4V
40	67,8	73,0	G 1 1/2	16,0	-	ZZ5V
50	84,0	79,5	G 2	17,5	-	ZZ6V
65	95,8	90,0	G 2 1/2	17,0	20,5	ZZ7V
80	110,2	97,0	G 3	18,5	22,0	ZZ8V
100	143,8	108,0	G 4	21,0	27,0	ZZ9V



Check valve with brass closing element

- female - female
- maximum operating temperature: 120°C
- nominal pressure: 16 bar
- float material: brass CW617N-4MS, EPDM
- body material: CW617N-4MS
- spring material: stainless steel AISI 304
- medium: water, water/glycol mixture



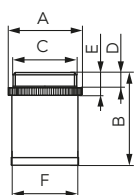
DN	A [mm]	B [mm]	C [cal]	D [mm]	Index
15	35,5	47,0	G 1/2	11,0	ZZM1V
20	41,8	51,0	G 3/4	12,0	ZZM2V
25	47,2	59,0	G 1	14,0	ZZM3V
32	59,2	64,0	G 1 1/4	14,0	ZZM4V
40	67,8	73,0	G 1 1/2	16,0	ZZM5V
50	84,0	79,5	G 2	17,5	ZZM6V

SUCTION BASKET



Suction basket

- maximum operating temperature: 70°C
- nominal pressure: 16 bar
- material: ABS, stainless steel AISI304
- medium: water, water/glycol mixture



DN	A [mm]	B [mm]	C [cal]	D [mm]	E [mm]	F [mm]	Index
15	27,0	39,5	G 1/2	8,0	13,5	24,0	KS20V
20	34,0	43,0	G 3/4	8,0	12,5	29,5	KS21V
25	40,0	55,0	G 1	10,0	15,0	35,0	KS22V
32	48,0	61,0	G 1 1/4	10,0	15,0	43,5	KS18V
40	57,5	68,5	G 1 1/2	10,0	16,0	52,5	KS24V
50	68,0	80,5	G 2	12,0	18,0	62,5	KS25V
65	83,5	92,0	G 2 1/2	14,2	24,0	75,0	KS251V
80	98,0	101,0	G 3	12,0	19,0	85,0	KS252V
100	127,5	114,0	G 4	13,0	25,0	114,0	KS253V