sferaco
VALVES, METERS & FITTINGS

ISO 9001 : 2015
BUREAU VERITAS
Certification

REF. 321

BRASS SWING CHECK VALVE METAL SEAT FEMALE BSP PN16

Brass swing check valve for water distribution, watering and heating.
Brass CW617N-4MS body, strainer and disc for a better strength mechanical.
Metal seat.
Horizontal or Vertical position with ascendant fluid.



Size :	DN3/8" to DN2"
Connection :	Female BSP
Min Temperature :	+0°C
Max Temperature :	+90°C
Max Pressure :	16 Bars
Specifications :	Horizontal or Vertical Position with ascending fluid Swing type Metal seat
Materials :	Brass CW617N-4MS according to EN 12165

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Information provided as an indication and subject to possible modifications

BRASS SWING CHECK VALVE METAL SEAT FEMALE BSP PN16

SPECIFICATIONS :

- Brass CW617N-4MS
- Vertical position with ascendant fluid or horizontal position (respect the flow direction indicated by the arrow)
- Cylindrical threaded female BSP ends
- Swing type
- Metal / metal tightness (not 100% tightness, leakage rate D according to ISO 5208 standard)

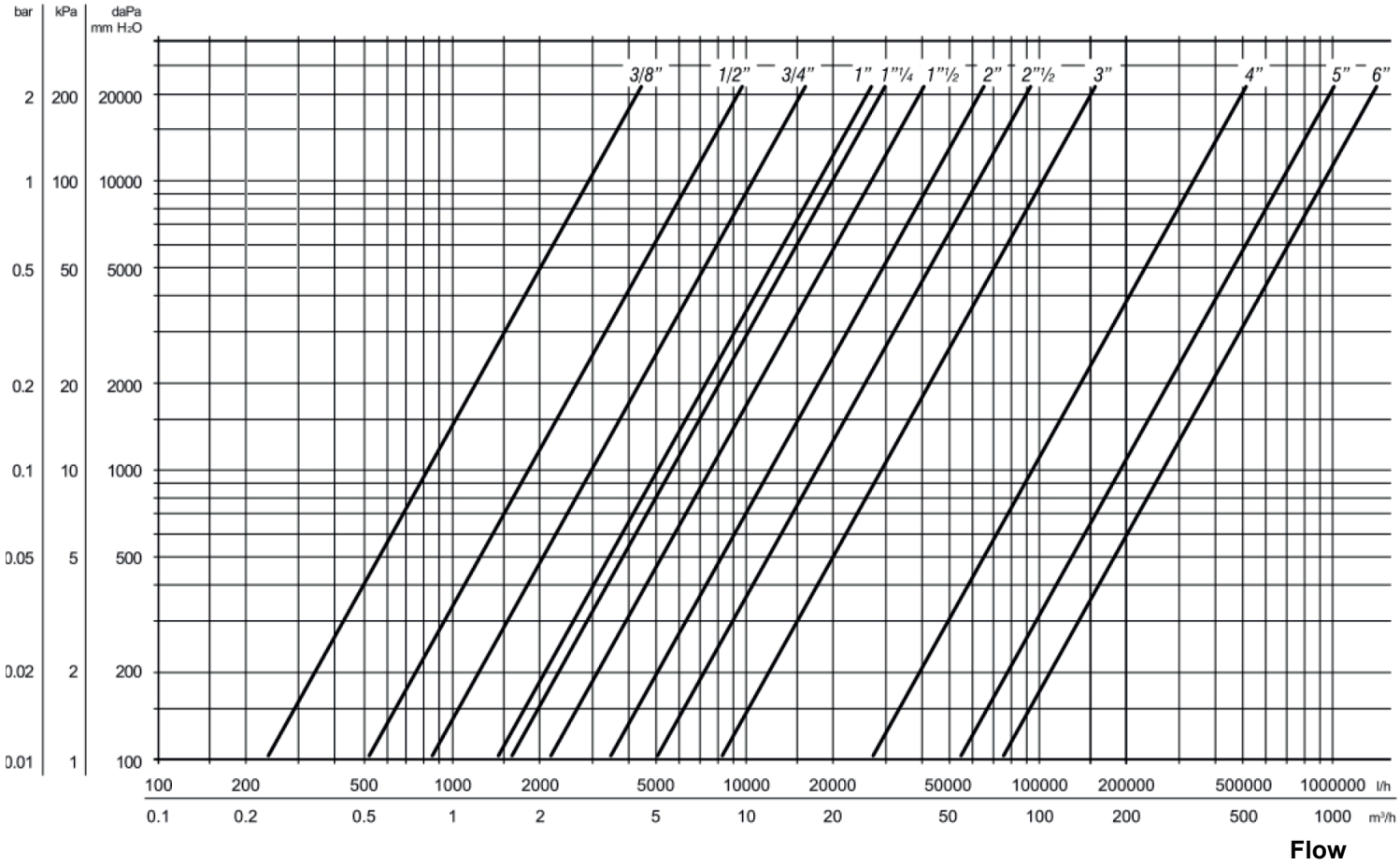
USE :

- Heating, water distribution and watering
- Min Temperature Ts : + 0°C
- Max Temperature Ts :+ 90°C
- Max Pressure Ps : 16 bars

RANGE :

- Swing check valve threaded BSP cylindrical ends with metal/metal tightness PN16 from DN3/8" to DN2" **Ref. 321**

HEAD LOSS GRAPH :



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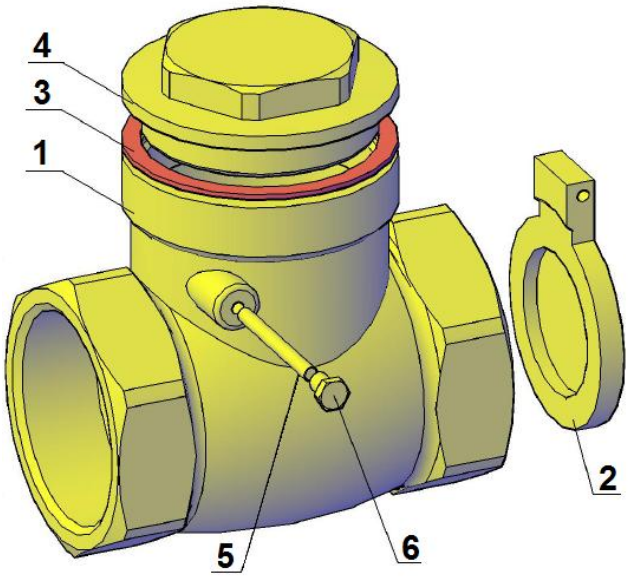
FLOW COEFFICIENT Kvs (M3 / h) :

DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	2.9	6.5	10.5	17.8	19.8	26.7	42.8

LEAKAGE RATE D ACCORDING TO ISO 5208 STANDARD (WITH WATER AT 20°C) :

Fluid	DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Liquid	mm3/s	1	1.5	2	2.5	3.2	4	5
	drops/s	0.016	0,024	0,032	0,04	0,0512	0,064	0,08
Compressed air	mm3/s	300	450	600	750	960	1200	1500
	Bubbles/s	4.584	6,876	9,168	11,46	14,6688	18,336	22,92

MATERIALS :

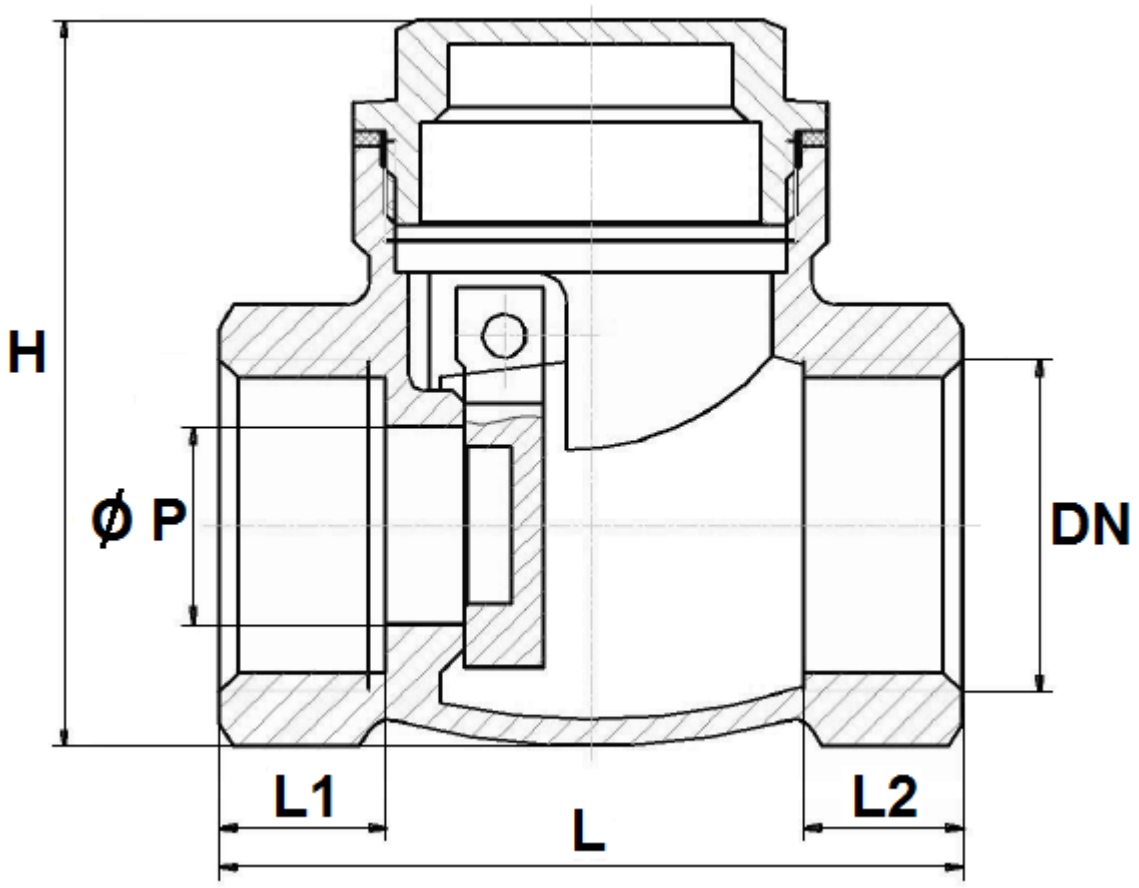


Item	Designation	Materials
1	Body	Brass CW617N-4MS according to EN 12165
2	Disc	
3	Bonnet gasket	Fibers
4	Bonnet	Brass CW617N-4MS according to EN 12165
5	Stem	Brass
6	Stem screw	

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SIZE (in mm) :



DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø P	12	12.5	18.5	23.5	30	35	47
L	49	49	58	70	80	88	102
L1	11.5	10.5	12.5	15.5	17	18	21
L2	11.5	10	12.5	14	17	17	21
H	52	51	61	69	87	96.5	111
Weight (Kg)	0.16	0.19	0.29	0.44	0.58	0.87	1.2
Ref.	321003	321004	321005	321006	321007	321008	321009

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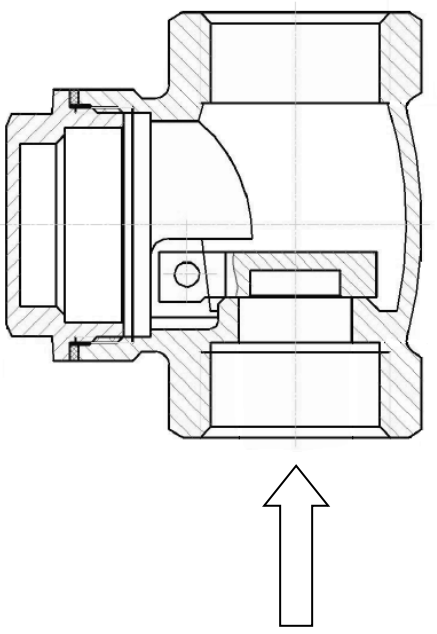
BRASS SWING CHECK VALVE METAL SEAT FEMALE BSP PN16

STANDARDS :

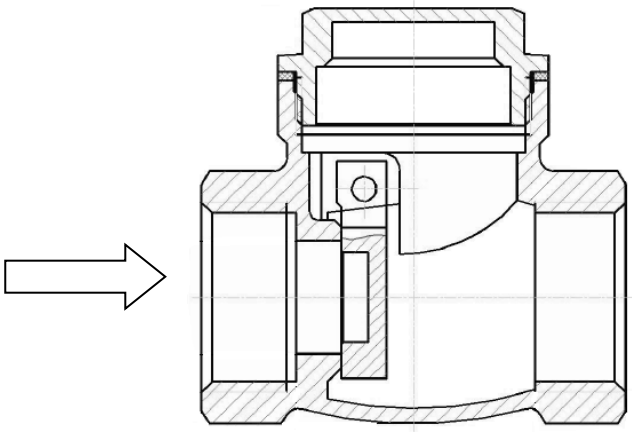
- Manufacturer certified ISO 9001:2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/UE : Products excluded from directive (Article 1, § 2.b)
- Tests according to ISO 5208, leakage rate D
- Threaded female BSP cylindrical ends according to ISO 228-1

INSTALLATION POSITIONS :

Vertical position (ascendant fluid)



Horizontal position



ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.