LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

PRODUCT EVOLUTION

Be careful, our check valves Ref. 305 are changing

We currently have 2 different types available (according to DN) with different specifications and size

New types :

Old types :

At the end, only the new types will be available (pages 2 to 6)

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

Brass spring check valve for drinking water, heating, compressed air and domestic fuel oil.
Lead free brass CW510L-4MS body, brass disc and NBR gasket for an excellent low and high pressure tightness.
Perfect centering of the throttle on the seat thanks to the double axial and lateral guidance
All positions thanks to the stainless steel AISI 302 spring.

NEW TYPE

Size :	DN3/8" to DN4"
Connection :	Female BSP
Min Temperature :	-20°C (fluid should stay liquid)
Max Temperature :	+110°C
Max Pressure :	25 Bars (up to DN1")
Specifications :	All positions AISI 302 spring Brass disc NBR gasket Low headloss
Materials :	Lead free brass CW510L-4MS

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

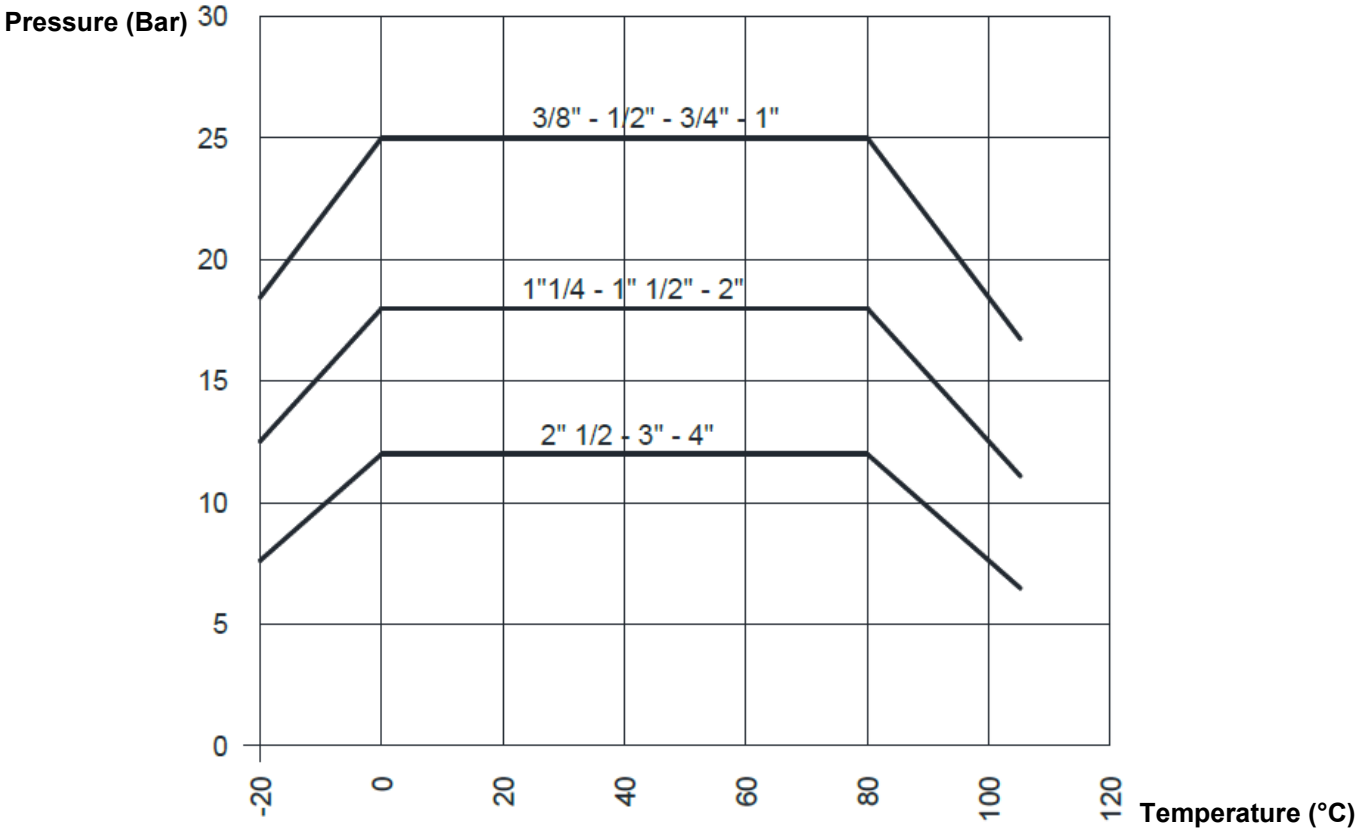
SPECIFICATIONS :

- Respect the flow direction indicated by the arrow
- All positions with SS 302 spring
- Female / female type
- Brass / S.S. throttle
- Weak head loss thanks to the cylindrical internal designing
- Low pressure opening
- Double axial and lateral guide for a better centering of the throttle on the seat
- Lead free brass CW510L-4MS
- NBR gasket for a better tightness for high and low pressure

USE :

- Heating, drinking water, compressed air, domestic fuel oil
- Min Temperature Ts : - 20°C (fluid should stay liquid)
- Max Temperature Ts :+ 110°C
- Max Pressure Ps : 25 bars up to DN 1", 18 bars from DN 1"1/4 to DN 2" and 12 bars over

PRESSURE / TEMPERATURE GRAPH :



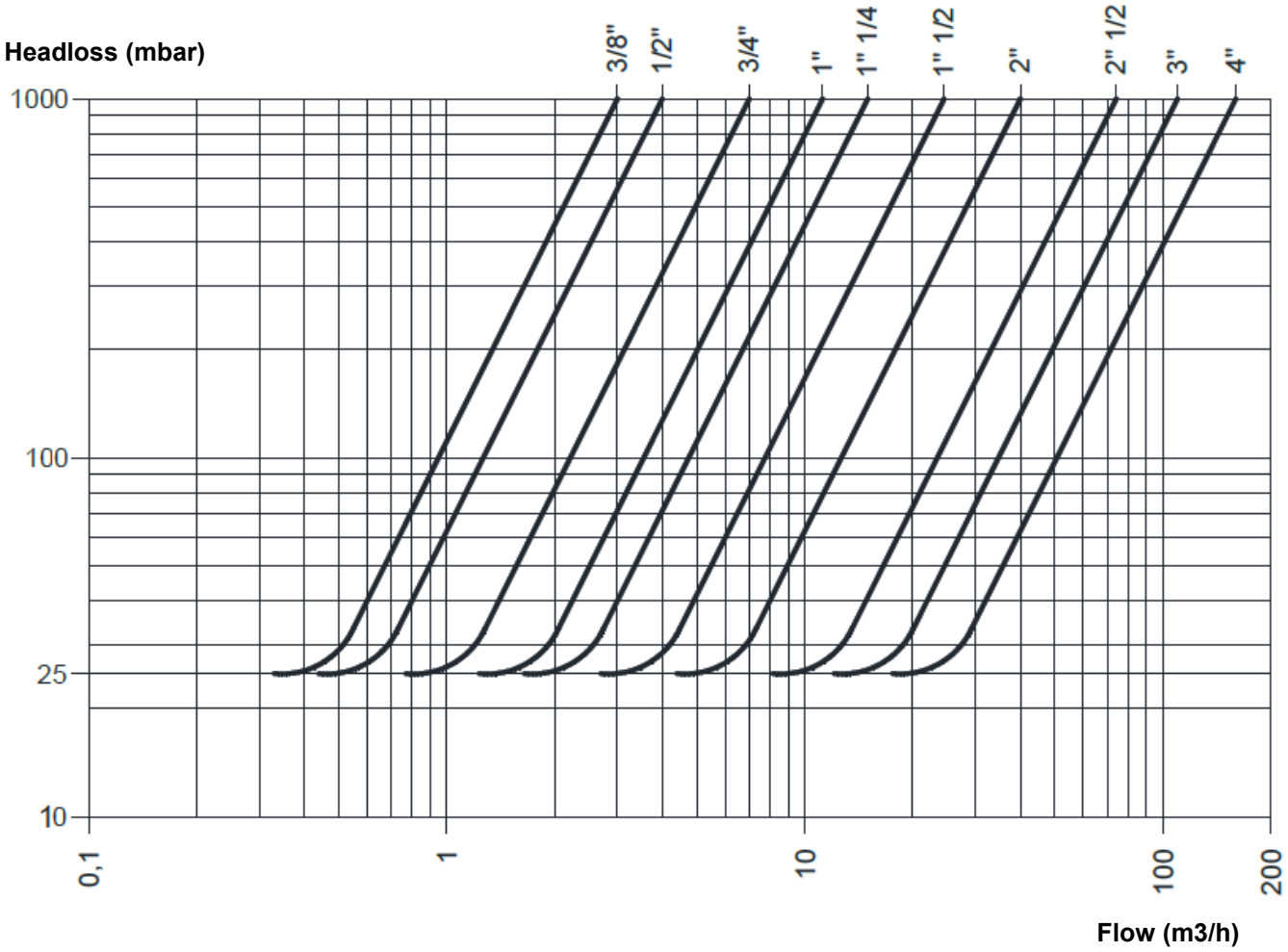
OPENING PRESSURE :

- Opening pressure 25 mbar minimum

Information provided as an indication and subject to possible modification

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

HEADLOSS GRAPH :



FLOW COEFFICIENT Kvs (m3 / h) :

DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Kvs (m3 / h)	2.98	4.38	7.27	11.52	16.45	24.37	39.66	75.6	109.48	158.5

RANGE :

- Spring check valves threaded BSP cylindric female from DN3/8" to DN4"

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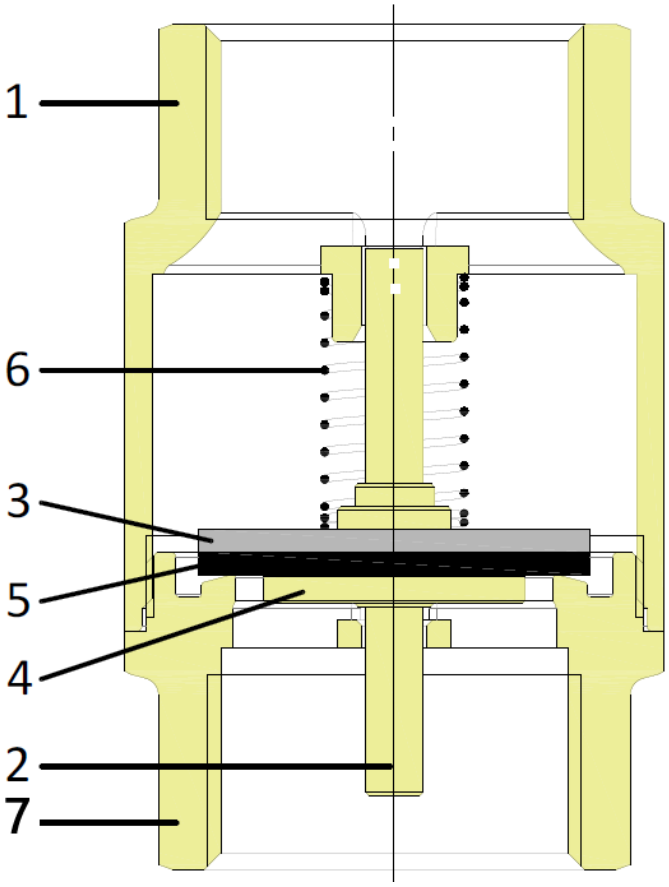
LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

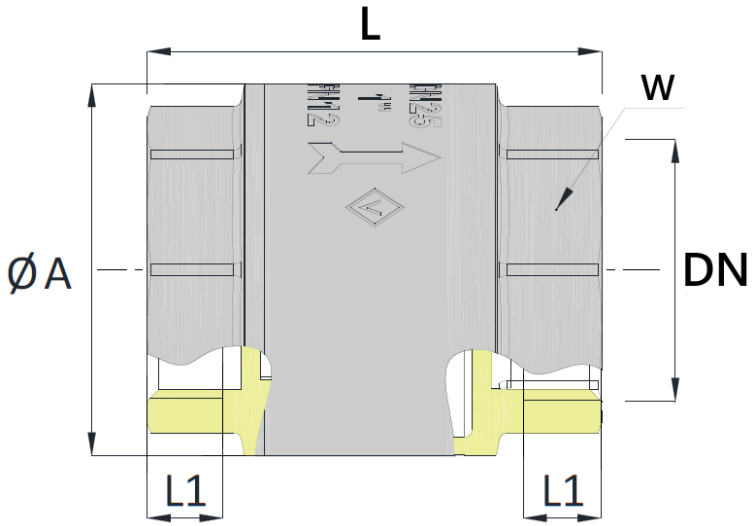
MATERIALS :



Item	Designation	Materials
1	Body	Lead free brass CW510L-4MS according to EN 12165
2	Stem	
3	Ring	AISI 304
4	Disc	Lead free brass CW510L-4MS according to EN 12165
5	Gasket	NBR
6	Spring	AISI 302
7	Bonnet	Lead free brass CW510L-4MS according to EN 12165

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

SIZE (in mm) :



DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
L	58.5	58.5	65	74.5	83	93	101	93	103	116
L1	10	13.7	14.7	17.2	17.7	17.7	18.2	15.7	18.7	19.2
Ø A	34.5	34.5	41.5	47.5	60	70.5	86.5	101.5	124	155
W (on flat)	26	26	32	39	49	55	69	83	96	123
Weight (Kg)	0.22	0.18	0.27	0.37	0.58	0.87	1.31	1.72	2.51	4.51
Ref.	305003	305004	305005	305006	305007	305008	305009	305010	305011	305012

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4, § 3)
- French water agreement **A.C.S. N° 25 ACC NY 570**
- Threaded female BSP cylindrical ends according to ISO 228-1

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.

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

Brass spring check valve for drinking water, heating, compressed air and domestic fuel oil.
Brass CW617N-4MS body, brass disc and NBR gasket for an excellent low and high pressure tightness.
Perfect centering of the throttle on the seat thanks to the double axial and lateral guidance
All positions thanks to the stainless steel AISI 302 spring.

Size :	DN3/8" to DN4"
Connection :	Female BSP
Min Temperature :	-10°C
Max Temperature :	+100°C
Max Pressure :	25 Bars (up to DN1")
Specifications :	All positions AISI 302 spring Brass disc NBR gasket
Materials :	Brass CW617N-4MS according to EN 12165

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

SPECIFICATIONS :

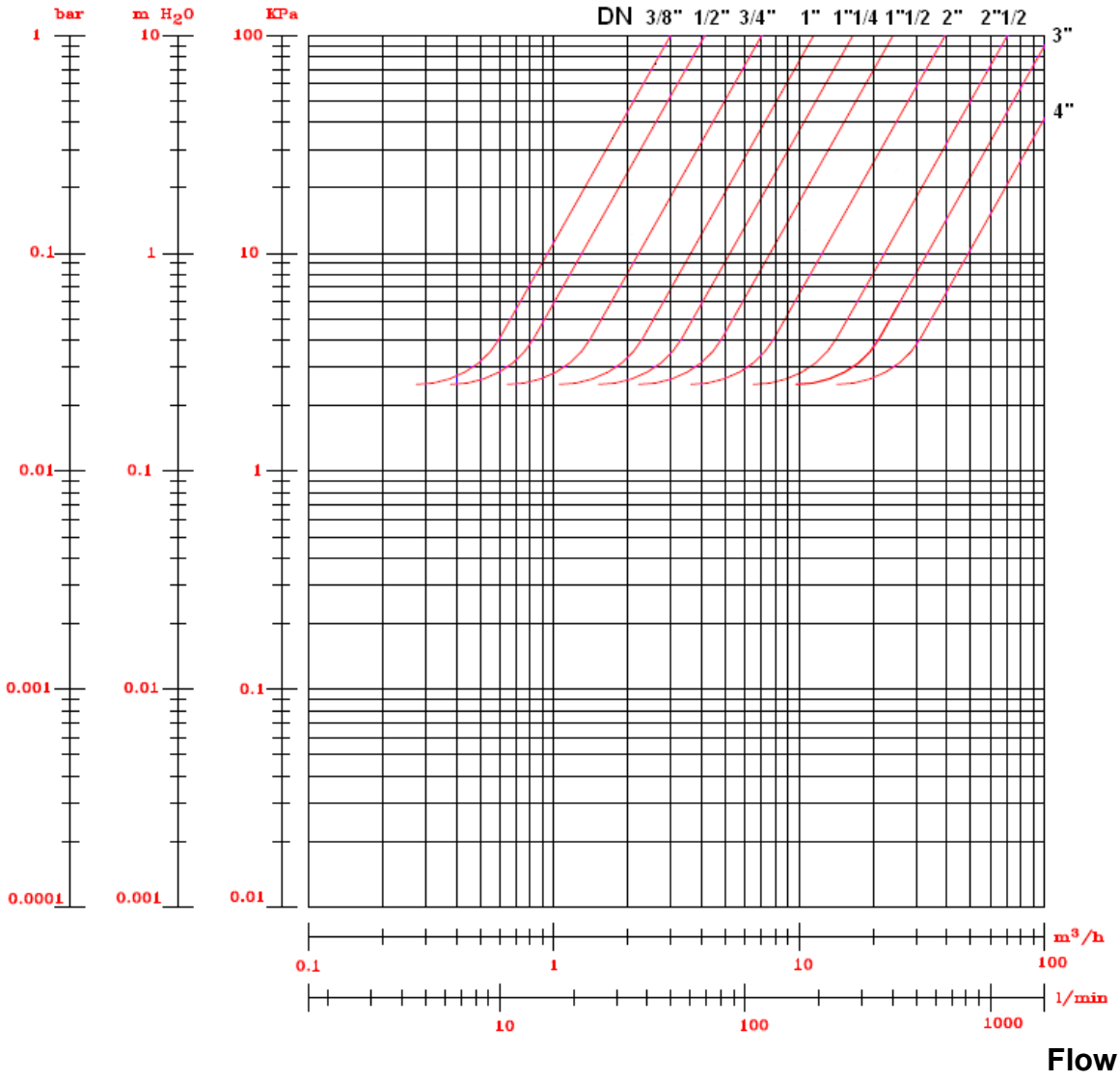
- Respect the flow direction indicated by the arrow
- All positions with SS 302 spring
- Female / female type
- Brass / S.S. throttle
- Weak head loss thanks to the cylindrical internal designing
- Low pressure opening
- Double axial and lateral guide for a better centering of the throttle on the seat
- Brass CW617N-4MS body for a better mechanical strength
- NBR gasket for a better tightness for high and low pressure

USE :

- Heating, drinking water, compressed air, domestic fuel oil
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 100°C
- Max Pressure Ps : 25 bars up to DN 1“ , 18 bars from DN 1“1/4 to DN 2“ and 12 bars over
- Vacuum : between 300 and 500 mbar (from 50 to 70%)

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

HEAD LOSS GRAPH :



FLOW COEFFICIENT Kvs (m3 / h) :

DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Kvs (m3 / h)	2.99	4.12	7.03	11.45	16.54	24.12	39.32	70.64	105.60	155.30

OPENING PRESSURE :

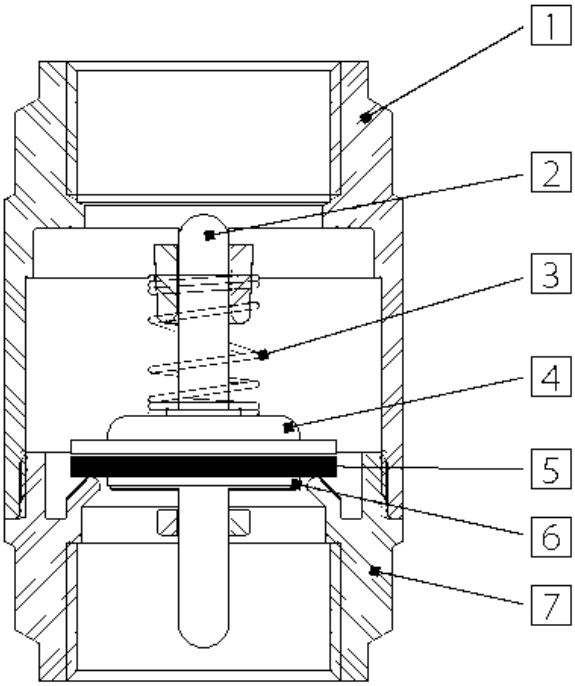
- Opening pressure between 20 and 200 mbar

RANGE :

- Threaded BSP cylindric female from DN3/8" to DN4"

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

MATERIALS :

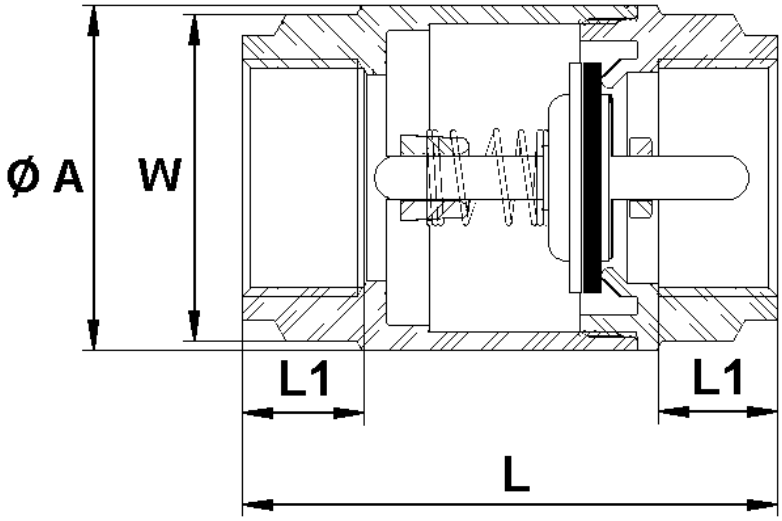


Item	Designation	Materials
1	Body	Brass CW617N-4MS according to EN 12165
2	Stem	Brass CW614N-4MS according to EN 12164
3	Spring	AISI 302
4	Ring	AISI 304
5	Gasket	NBR
6	Throttle	Brass CW614N-4MS according to EN 12164
7	Bonnet	Brass CW617N-4MS according to EN 12165

Information provided as an indication and subject to possible modification

LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

SIZE (in mm) :



DN	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
L	55	58.5	65	74.5	83	93	101	122	141.5	158.5
L1	11	13	14	17	18	19	21	26	27	28
Ø A	34.5	34.5	41.5	48	60.5	71	87	120	140.5	172.5
W (on flat)	23	27	33	40	50	55	70	87	102	128
Weight (Kg)	0.19	0.2	0.28	0.41	0.64	0.87	1.31	2.94	4.25	6.54
Ref.	305003	305004	305005	305006	305007	305008	305009	305010	305011	305012

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LEAD FREE BRASS SPRING CHECK VALVE BRASS DISC FEMALE BSP ACS 4MS

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4, § 3)
- French water agreement **A.C.S. N° 22 ACC NY 488**
- Threaded female BSP cylindrical ends according to ISO 228-1

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