LAURIDSEN Group ApS

REF. 385

BRASS WAFER SPRING CHECK VALVE PN16

Kalitest
ISO 9001 : 2015

TÜV AUSTRIA
PED 2014/68/UE

CE

Size :	DN 32 to DN50
Ends :	Between flanges PN10, PN16, PN25, PN40
Min Temperature :	- 10°C
Max Temperature :	+ 250°C
Max Pressure :	16 Bars
Specifications :	Spring type All positions Metal / metal tightness
Materials :	Brass body CW617N

REF. 385

BRASS WAFER SPRING CHECK VALVE PN16

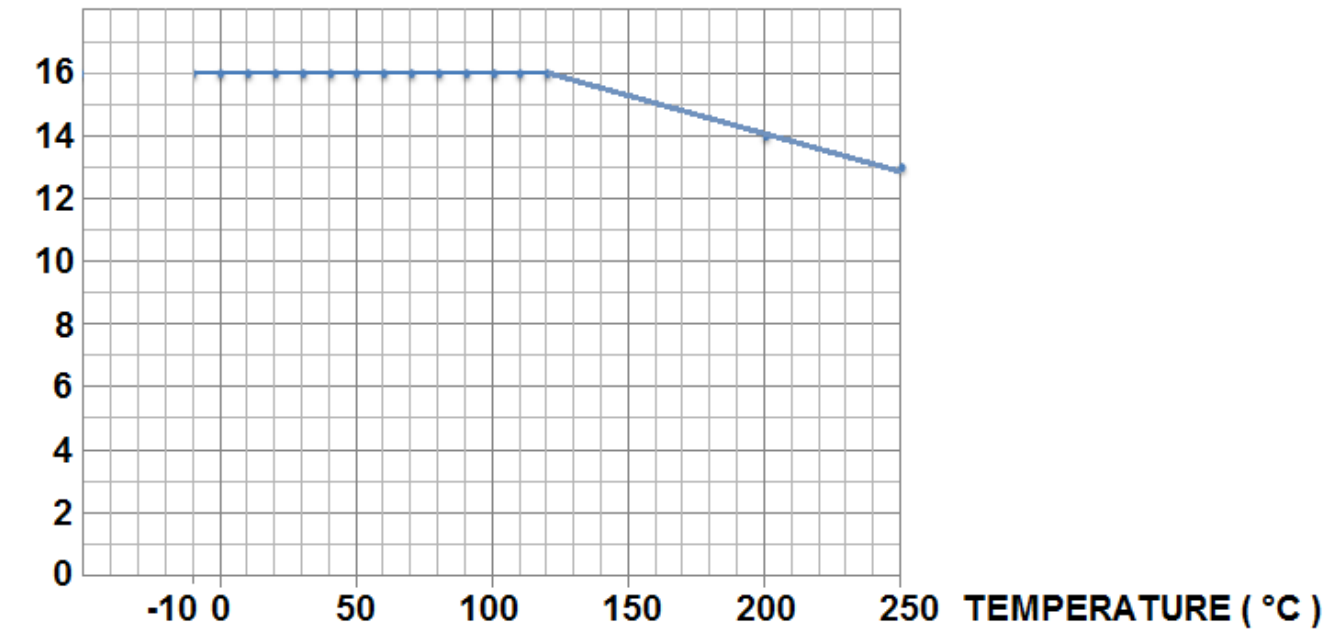
SPECIFICATIONS :

- Spring type
- All positions (respect the flow direction indicated by the arrow)
- Metal / metal tightness
- Stainless steel disc
- With centering hoop

USE :

- Heating, watering and water distribution
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 250°C
- Max Pressure Ps : 16 bars (see graph under)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :



FLOW COEFFICIENT Kvs (M3 / h) :

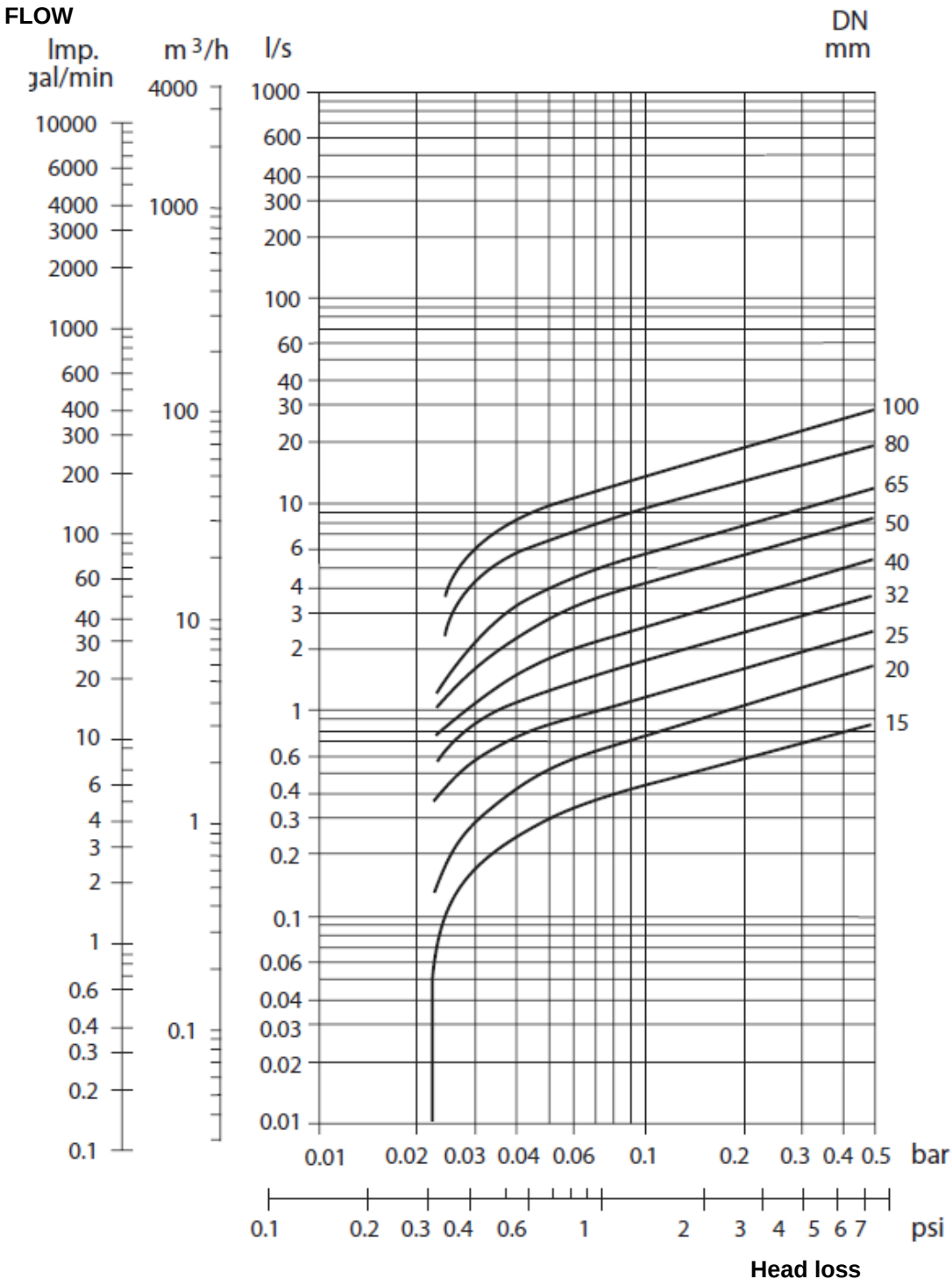
DN	32	40	50
Kvs (m3/h)	16	26	40

RANGE :

- Between flanges PN10, PN16, PN25 and PN40 **Ref. 385** from DN32 to DN50

BRASS WAFER SPRING CHECK VALVE PN16

HEAD LOSS GRAPH :

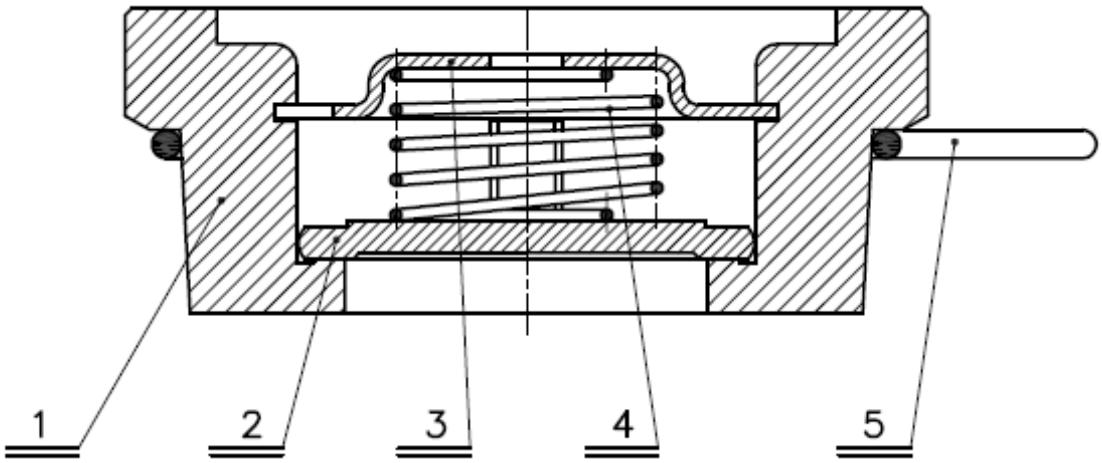


BRASS WAFER SPRING CHECK VALVE PN16

OPENING PRESSURE (in mbar) :

DN	Vertical Position Ascending fluid	Horizontal Position
DN 32	27 ↑	20 →
DN 40	28 ↑	20 →
DN 50	29 ↑	20 →

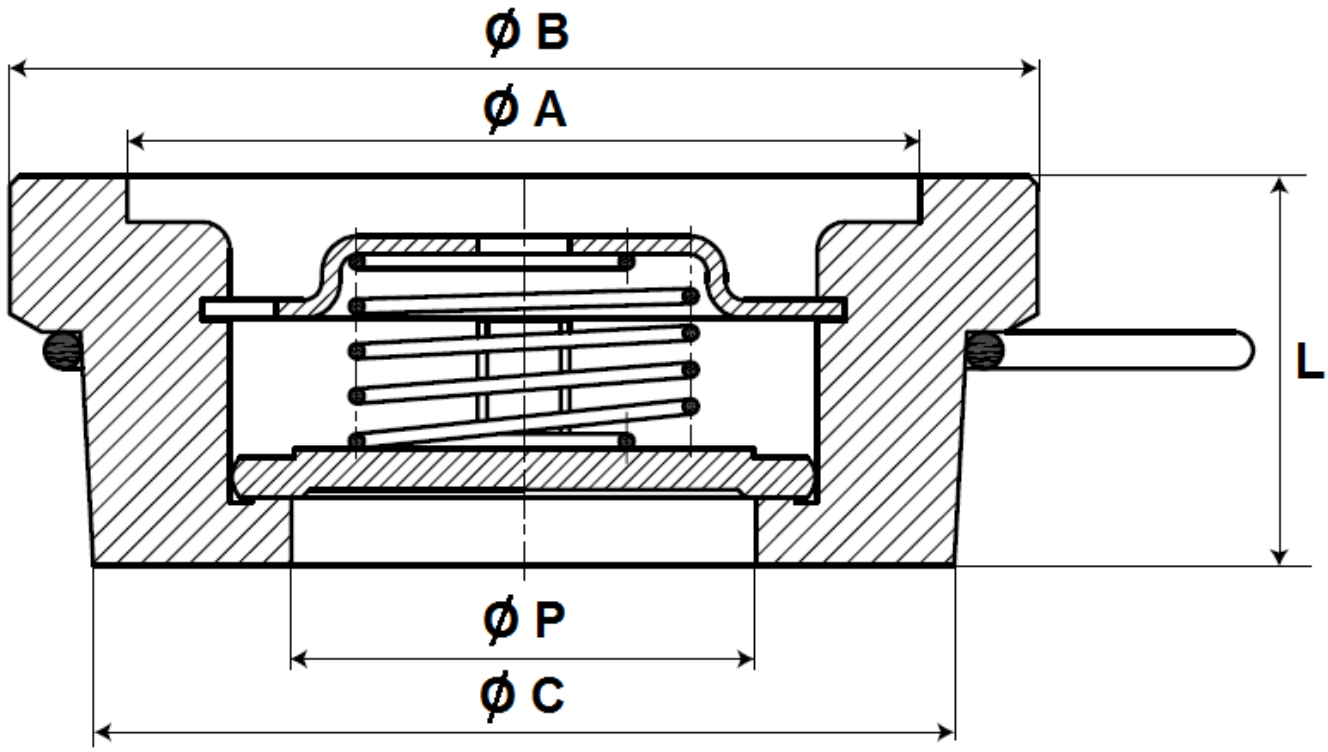
MATERIALS :



Item	Designation	Materials
1	Body	Brass CW 617 N according to EN 12165
2	Disc	AISI 316
3	Spring holder	
4	Spring	AISI 302
5	Centering hoop	

BRASS WAFER SPRING CHECK VALVE PN16

SIZE (in mm) :



Ref.	DN	32	40	50
385	Ø A	52.4	63.1	75.4
	Ø B	72	82	95
	Ø C	62	74.5	87.5
	Ø P	31.7	39.3	48
	L	28	31.5	40
	Weight (Kg)	0.360	0.550	0.950

BRASS WAFER SPRING CHECK VALVE PN16

STANDARDS :

- Fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : CE N° 0408
  Risk category II Module A2- C2
- Designing according to EN 12334
- Tests according to EN 12266-1, rate A
- Length according to EN 558 series 49

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

LAURIDSEN Group ApS

REF. 385

BRASS WAFER SPRING CHECK VALVE PN16

INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the check valves to be used are appropriate for the conditions of the installation (type of fluid,pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strenght to be able to support the capacity of their usage.

INSTALLATION INSTRUCTIONS :

- **Before installing the check valves, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the check valve (upstream and downstream) are aligned (if they're not,the valves may not work correctly).**
- **Make sure that the two sections of the pipe (upstream and downstream) match, the check valve unit will not absorb any gaps.Any distortions in the pipes may affect the thightness of the connection,the working of the check valve and can even cause a rupture.**To be sure,place the kit in position to ensure the assembling will work.
- Make sure there is enough space so that the disc can be opened totally in the pipe.
- If there is a direction changing or if there's another material, it's better to take away the check valve so that it is outside the turbulence area (**between 3 and 5 times the ND before and after**).
- After a pump please refer to **FD CEN/TR 13932** to install the check valve :
  - If it is essential to keep priming the pump, a non-return check valve can be fitted to the suction pipe at a distance **L1 (straight length suction) > 10xD1 (diameter suction)**
    The check valve is designed to meet the maximum flow rate in service
  - In other cases, the non-return check valve is mounted on the discharge pipe at a distance of **L2 (straight length at discharge) > 3xD2 (diameter at discharge)**