LAURIDSEN Group ApS

REF. 369

CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED PN16

Cast iron axial disc check valve for heating and water distribution.
Cast iron EN GJL-250 body coated with anti-corrosion epoxy painting, stainless steel disc and EPDM seat.
All positions thanks to the stainless steel spring.

Certificate 3.1

ISO 9001 : 2015
BUREAU VERITAS
Certification

Size :	DN50 to DN300
Connection :	Between flanges PN16 RF
Min Temperature :	-10°C
Max Temperature :	+110°C
Max Pressure :	16 Bars
Specifications :	Stainless steel disc All positions Stainless steel spring Epoxy painting Weak headloss
Materials :	Cast iron EN GJL-250 body

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SPECIFICATIONS :

- All positions
- Respect the flow direction indicated by the arrow
- Flanged R.F. PN16
- Stainless steel disc with spring
- Opening pressure about 0.3 bar
- Epoxy blue RAL 003 painting 80 microns thickness

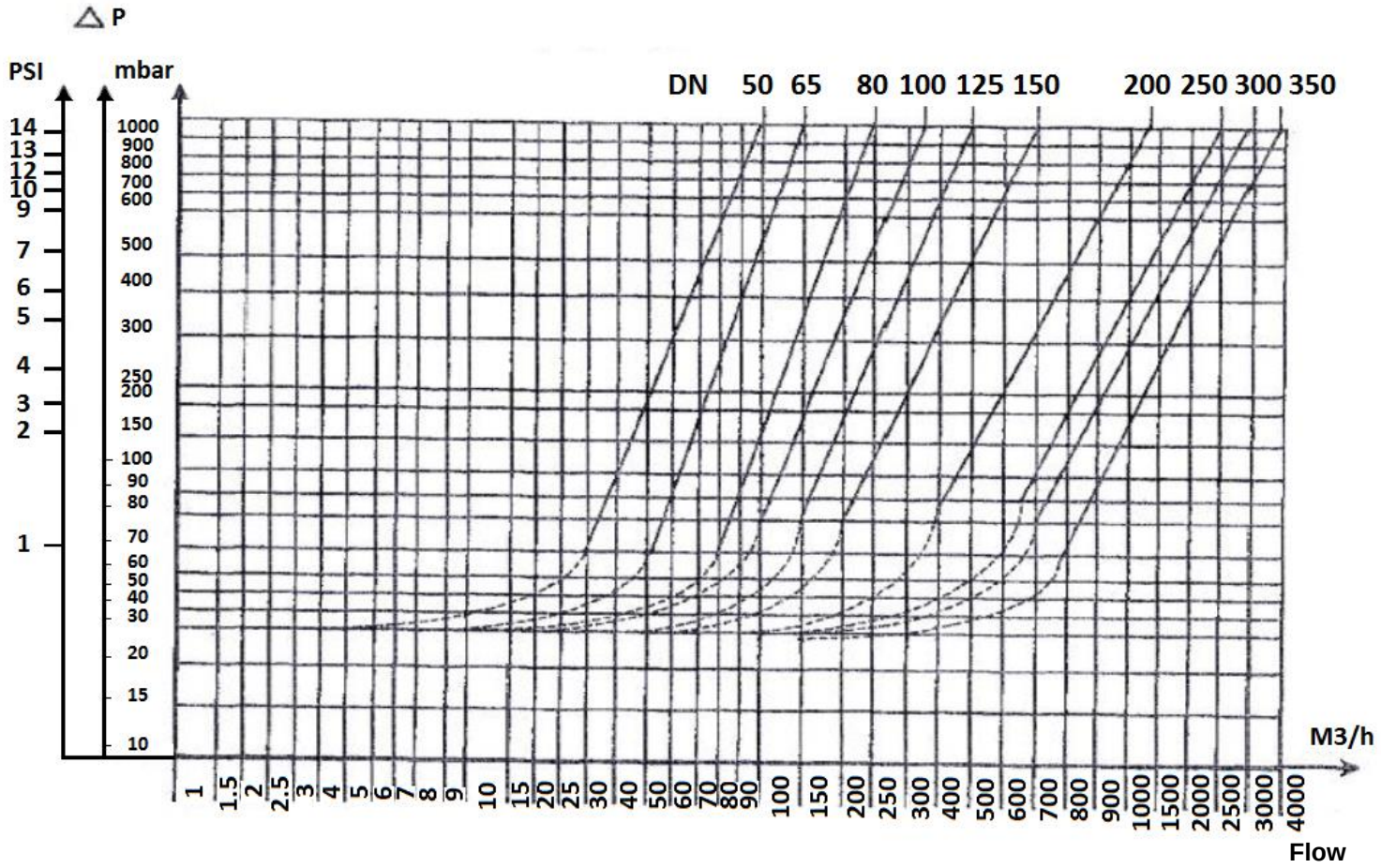
USE :

- Water distribution
- Min Temperature Ts : - 10°C
- Max Temperature Ts :+ 110°C
- Max Pressure Ps : 16 bars

RANGE :

- Flanged PN16 DN50 to DN300 **Ref.369**

HEAD LOSS GRAPH Ref.369 :

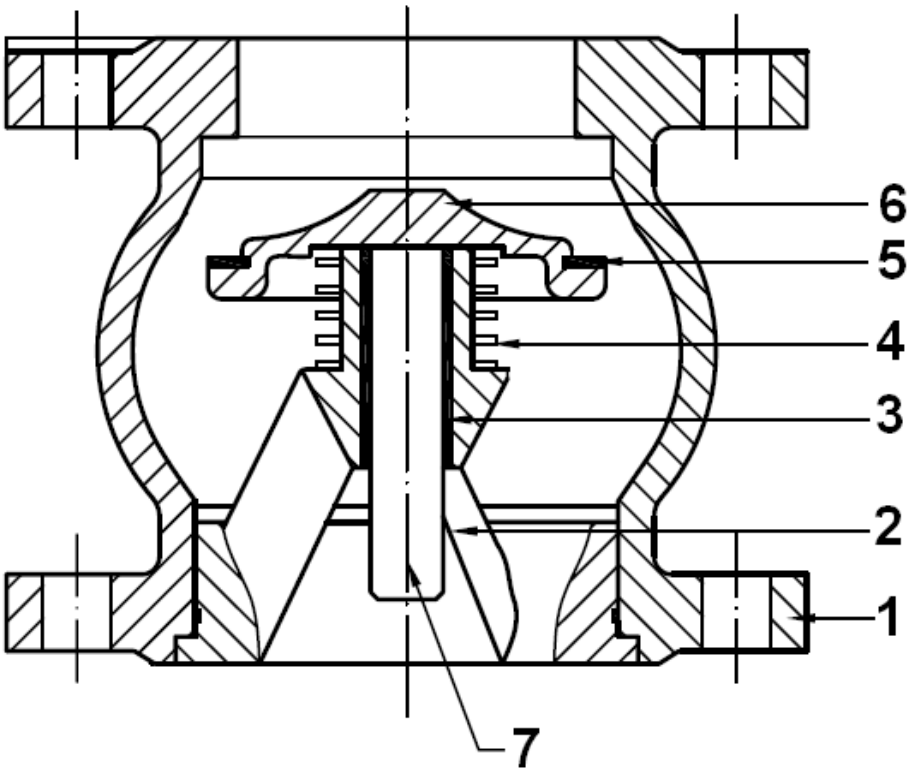


CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED PN16

FLOW COEFFICIENT Kvs (in m3/h)Ref.369 :

DN	50	65	80	100	125	150	200	250	300
Kvs (m3/h)	95	130	235	320	460	660	1100	2200	2700

MATERIALS :



Item	Designation	Materials
1	Body	Cast iron EN-GJL-250
2	Guide	Cast iron EN-GJL-250
3	Bushing	Bronze
4	Spring	AISI 304
5	Gasket	EPDM
6	Disc	AISI 304
7	Shaft	AISI 416

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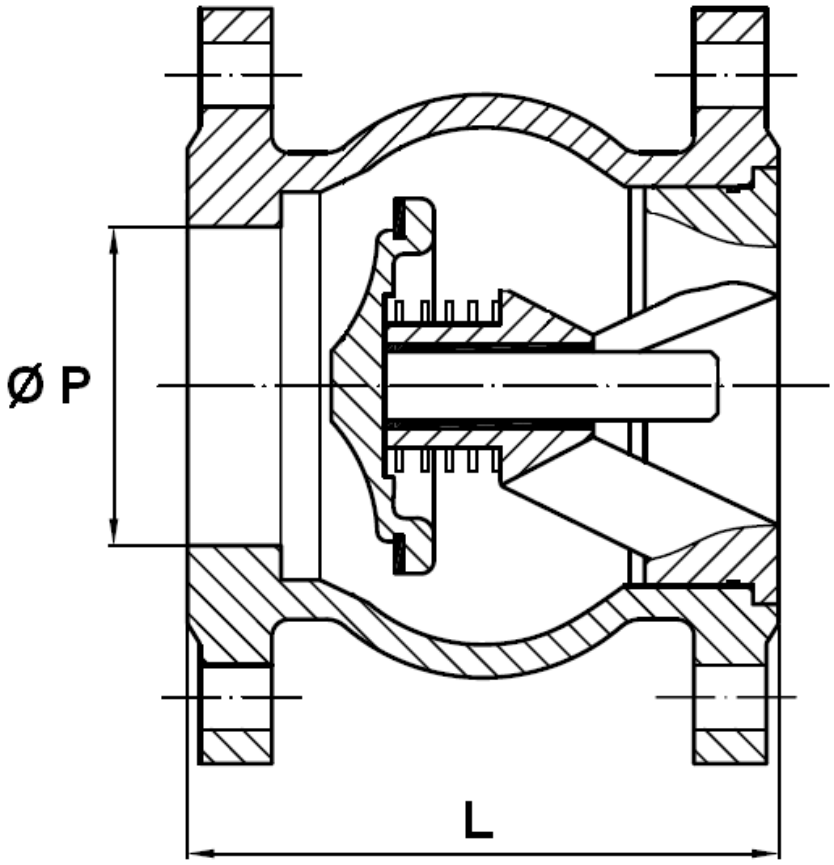
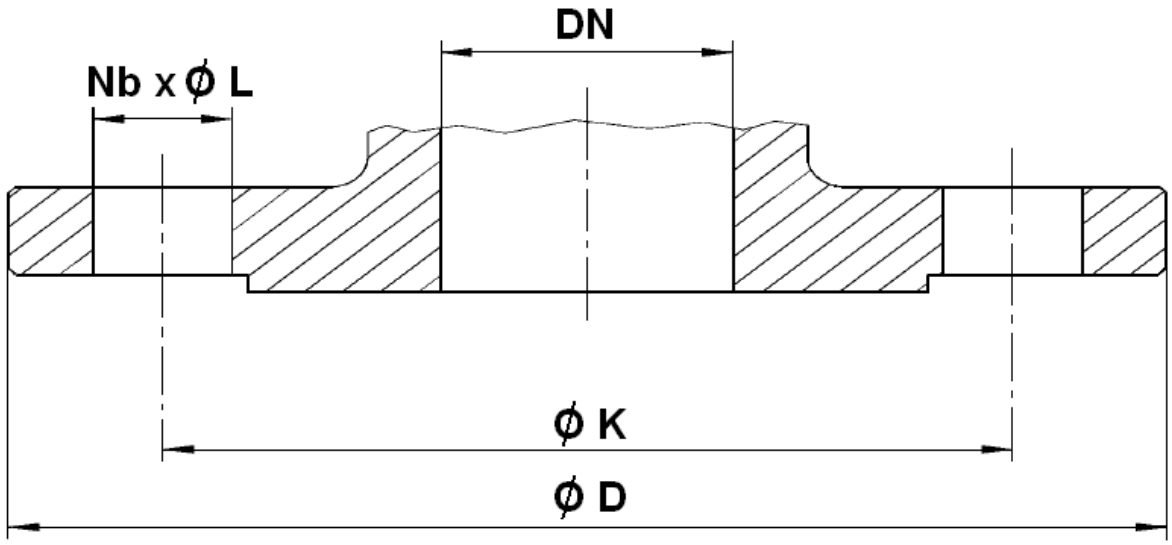
SIZE (in mm) :



DN	50	65	80	100	125	150	200	250	300
Ø P	56	65	81	105	125	150	200	250	300
L	100	120	135	165	200	231	288	354	395
Ø De	104	135	160	194	233	269	338	429	493
Weight (Kg)	6	9	11	15.5	23.5	34.5	56.5	97.5	145.5
Ref.	369050	369065	369080	369100	369125	369150	369200	369250	369300

CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED PN16

FLANGES SIZE (in mm) :



DN	50	65	80	100	125	150	200	250	300
Ø D	165	185	200	220	250	285	340	405	460
Ø K	125	145	160	180	210	240	295	355	410
Nb x Ø L	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	12 x 23	12 x 28	12 x 28

CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED PN16

STANDARDS :

- Fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4, § 3)
- Certificate 3.1 on request
- Pressure tests according to API 598, table 6
- Flanged R.F. according to EN 1092-2 PN16

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.

CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED 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.
- **If sections of piping do not have their final support in place,they should be temporarily fixed.This is to avoid unnecessary strain on the check valve.**
- 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)**