



REF. 336

FLANGED BALL CHECK VALVE PN10



Size : DN 40 to 400
Ends : ISO PN10/16 Flanged
Min Temperature : - 10°C
Max Temperature : + 70°C
Max Pressure : 10 Bars
Specifications : Ball type
Vertical or horizontal position
Removable bonnet

Materials : Cast iron



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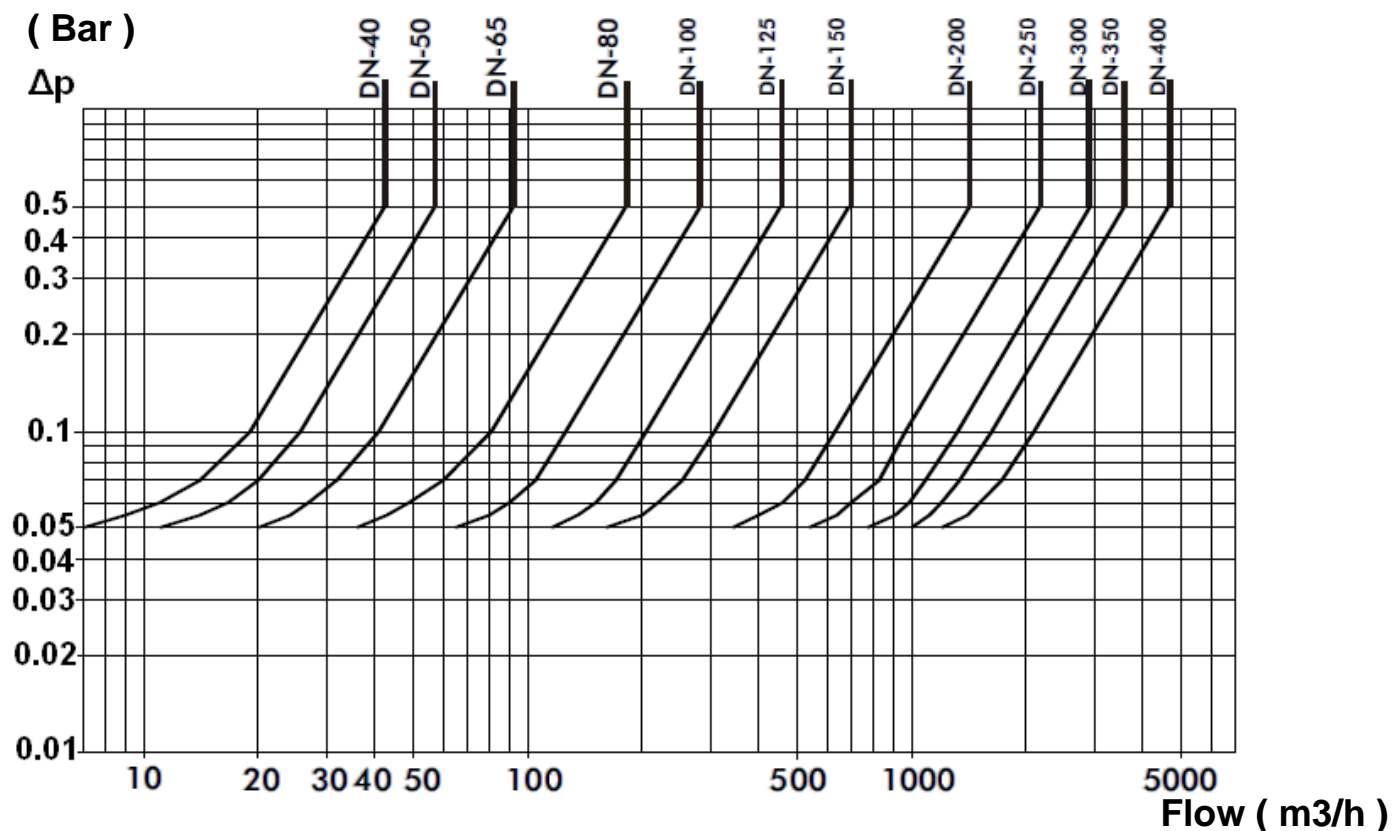
SPECIFICATIONS :

- Ball type
- Vertical with ascendant fluid or horizontal (respect the flow direction indicated by the arrow)
- ISO PN10/16 Flanged up to DN150, ISO PN10 over
- Removable bonnet
- Epoxy painting RAL 5017 blue color
- Minimum backpressure for tightness between 0.3 and 0.5 bars

USE :

- Water distribution and watering
- Min Temperature Ts : - 10°C
- Max Temperature Ts : + 70°C
- Max Pressure PN : 10 bars

HEAD LOSS :



FLOW COEFFICIENT KV (in m3/h) :

DN	40	50	65	80	100	125	150	200	250	300	350	400
Kv (m3/h)	60	81	130	255	400	645	970	2000	3050	4150	5100	6600



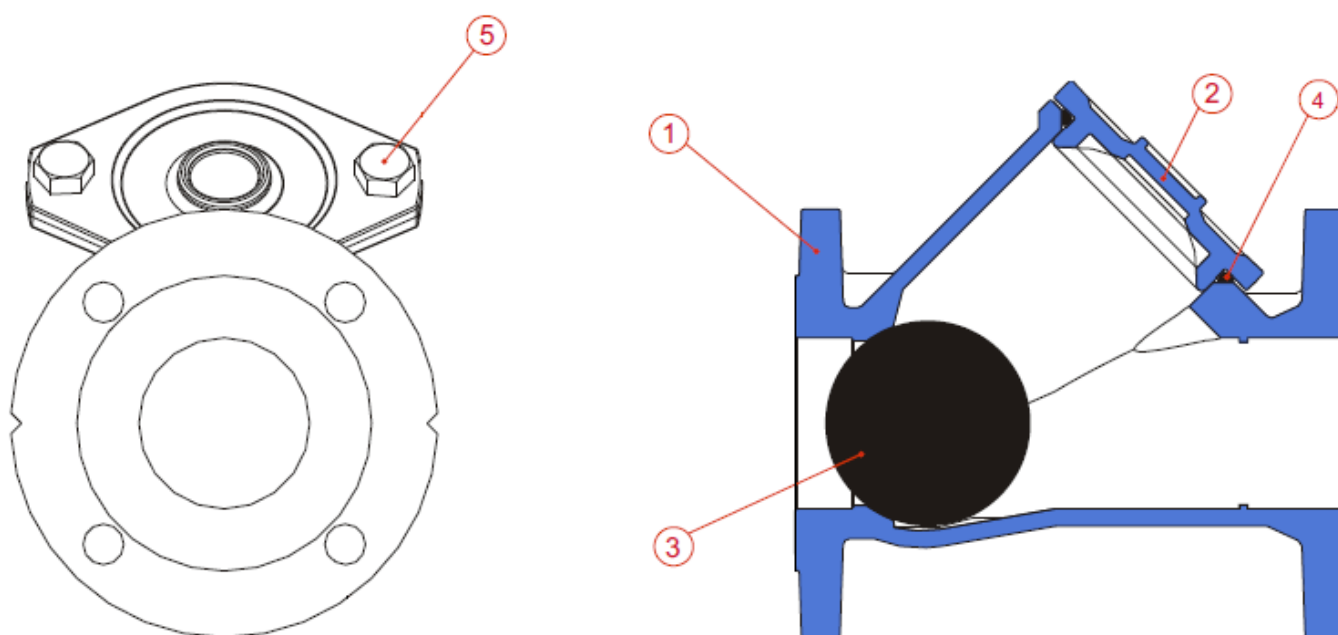
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RANGE :

- ISO PN10/16 Flanged from DN40 to 150 and ISO PN10 over Ref. 336 DN40 to 400

MATERIALS :



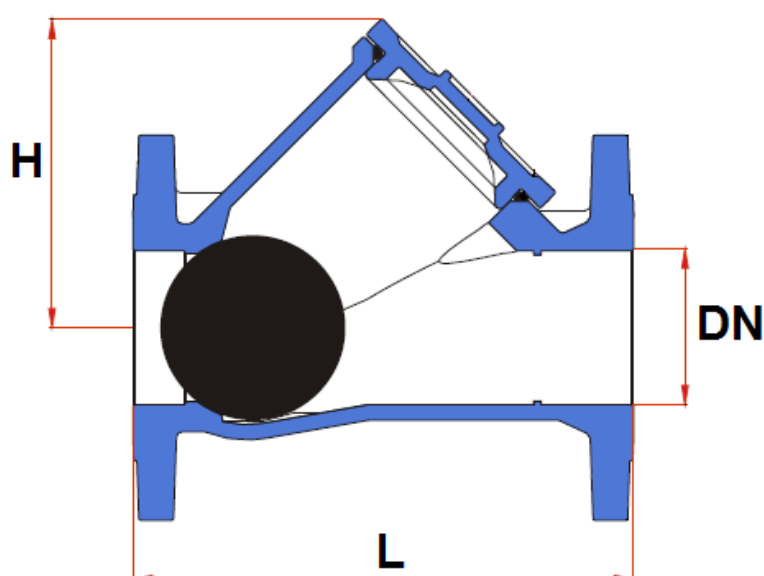
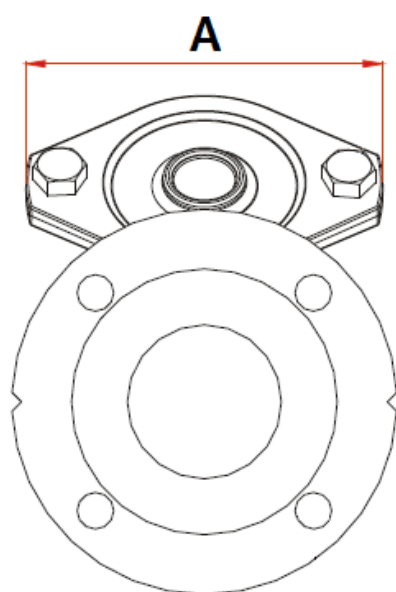
Item	Designation	Materials
1	Body DN 40 to 50	Ductile iron EN GJS-400-15
	Body DN 65 to 100	Cast iron EN GJL-250
	Body DN 125 to 400	Ductile iron EN GJS-400-15
2	Bonnet DN 40 to 50	Ductile iron EN GJS-400-15
	Bonnet DN 65 to 100	Cast iron EN GJL-250
	Bonnet DN 125 to 400	Ductile iron EN GJS-400-15
3	Ball DN 40 to 200	Aluminium + NBR
	Ball DN 250 to 400	Ductile iron EN GJS-400-15 + NBR
4	Bonnet gasket	NBR
5	Bolting	SS A-2



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SIZE (in mm) :



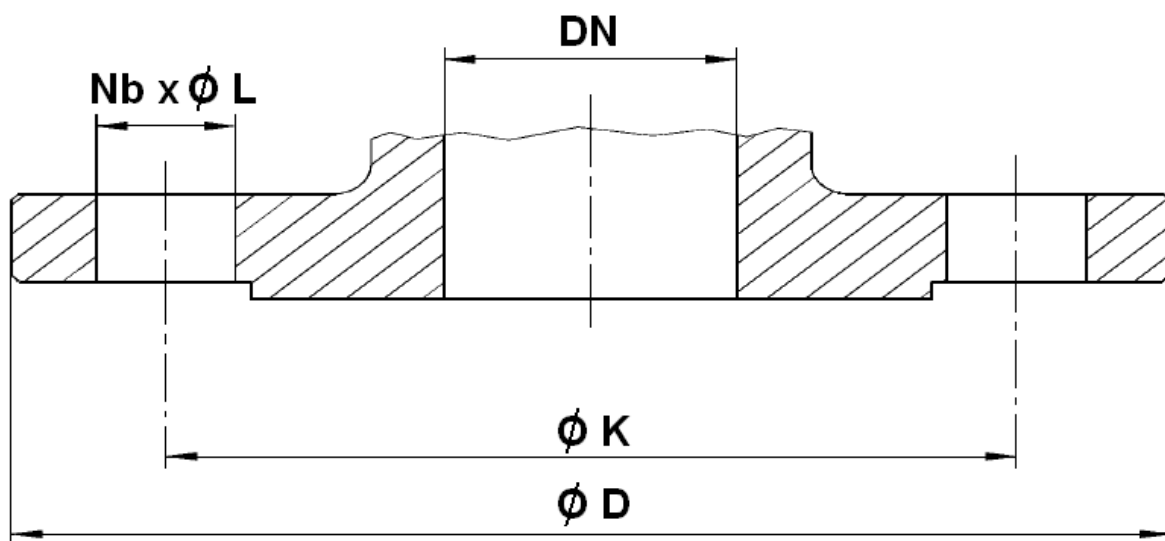
Ref.	DN	40	50	65	80	100	125	150	200	250	300	350	400
336	L	180	200	240	260	300	350	400	500	600	700	800	900
	H	90	115	135	160	190	222	268	335	420	495	580	730
	A	120	140	155	185	220	255	290	370	380	445	520	712
	Weight (Kg)	6	9	12	12	24	34	50	91	123	172	259	481



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FLANGES SIZE (in mm):



Ref.	DN	40	50	65	80	100	125	150	200	250	300	350	400
336	Ø D	150	165	185	200	226	253	285	342	403	450	505	565
	Ø K	110	125	145	160	180	210	240	295	350	400	460	515
	Nb x Ø L	4 x 19	4 x 19	4 x 1	8 x 19	8 x 19	8 x 19	8 x 23	8 x 23	12 x 23	12 x 23	16 x 23	16 x 27



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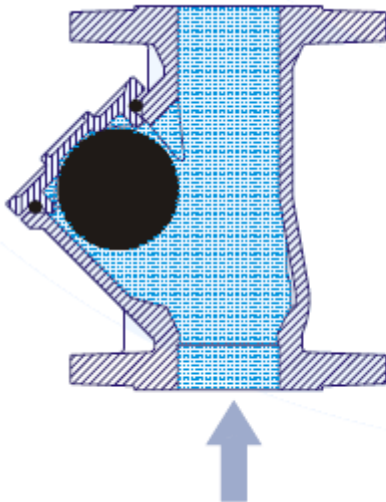
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STANDARDS :

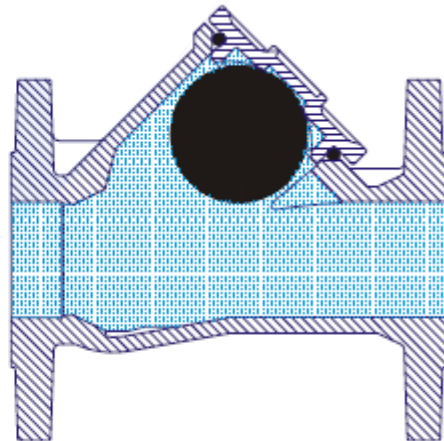
- Fabrication according to ISO 9001: 2000
- DIRECTIVE 97/23/CE : Products excluded from directive (Article1, § 3.2)
- Tests according to ISO 5208 A category
- ISO PN10 Flanged according to EN 1092-1
- Length according to DIN 3202 F6 (EN-558-1 48 series)
- According to water pumping stations NF EN 12050-4

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.



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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 strength 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 tightness 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 norm NF CR 13932 to install the check valve.