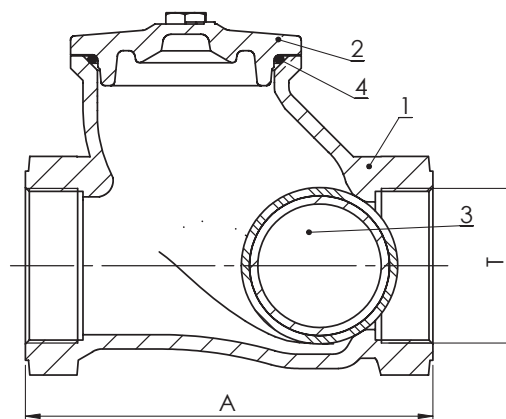
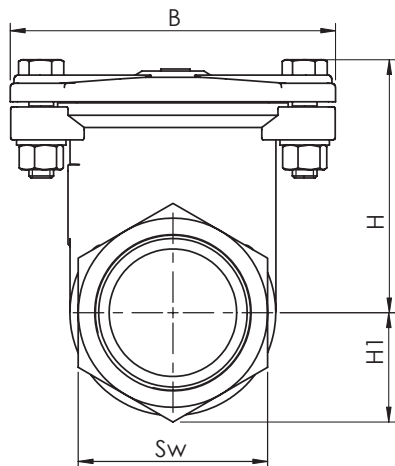
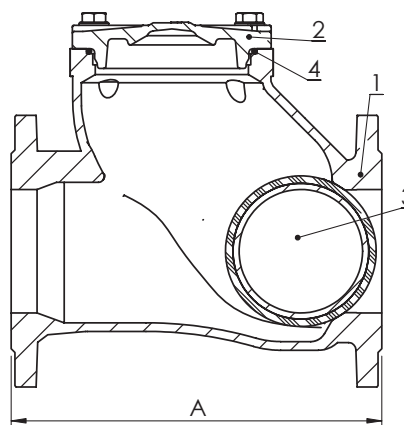
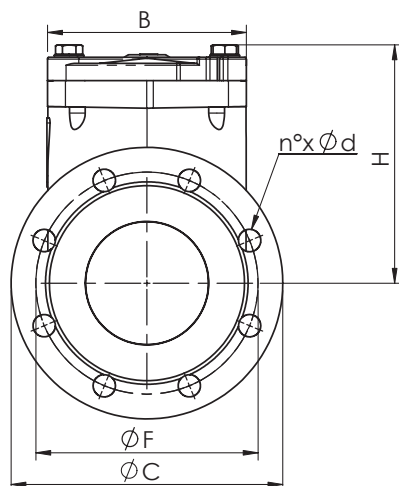


Ball check valve

EK7.100



ET7.100



Materials

	Component	Material
1	Body	EN GJS 400-15
2	Bonnet	EN GJS 400-15
3	Ball DN25-250	Metal + NBR
4	O-ring	NBR
5	Bolts	Stainless steel A2

Dimensions (mm)

DN		25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
A EK7	Not standardized	118	135	138	166	198	236	-	-	-	-	-	-	-	-	-
A ET7	EN 558/1 - 48*	-	-	-	200	240	260	300	350	400	500	600	700	800	900	1100
H		70	80	84	103	124	155	193	213	249	319	379	458	620	705	900
H1		28	32	36	42	53	67	-	-	-	-	-	-	-	-	-
B		101	107	109	128	158	135	161	200	240	310	406	-	-	-	-
C	EN 1092/2 PN10	-	-	-	165	185	200	220	250	285	340	395	450	505	565	670
F		-	-	-	125	145	160	180	210	240	295	350	400	460	515	620
n° x d		-	-	-	4 x 18	8 x 18	8 x 18	8 x 18	8 x 18	8 x 22	8 x 22	12 x 22	12 x 23	16 x 23	16 x 27	20 x 27
T	ISO 228-1	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	-	-	-	-	-	-	-	-	-
Sw		48	55	62	73	92	115	-	-	-	-	-	-	-	-	-

Weight (kg)

EK7		1,5	1,8	2,1	3,4	5,9	10,7	-	-	-	-	-	-	-	-	-
ET7		-	-	-	7,9	11,9	16,3	22,3	28,1	48,4	88,4	156,2	230	350	440	840

Maximum pressure

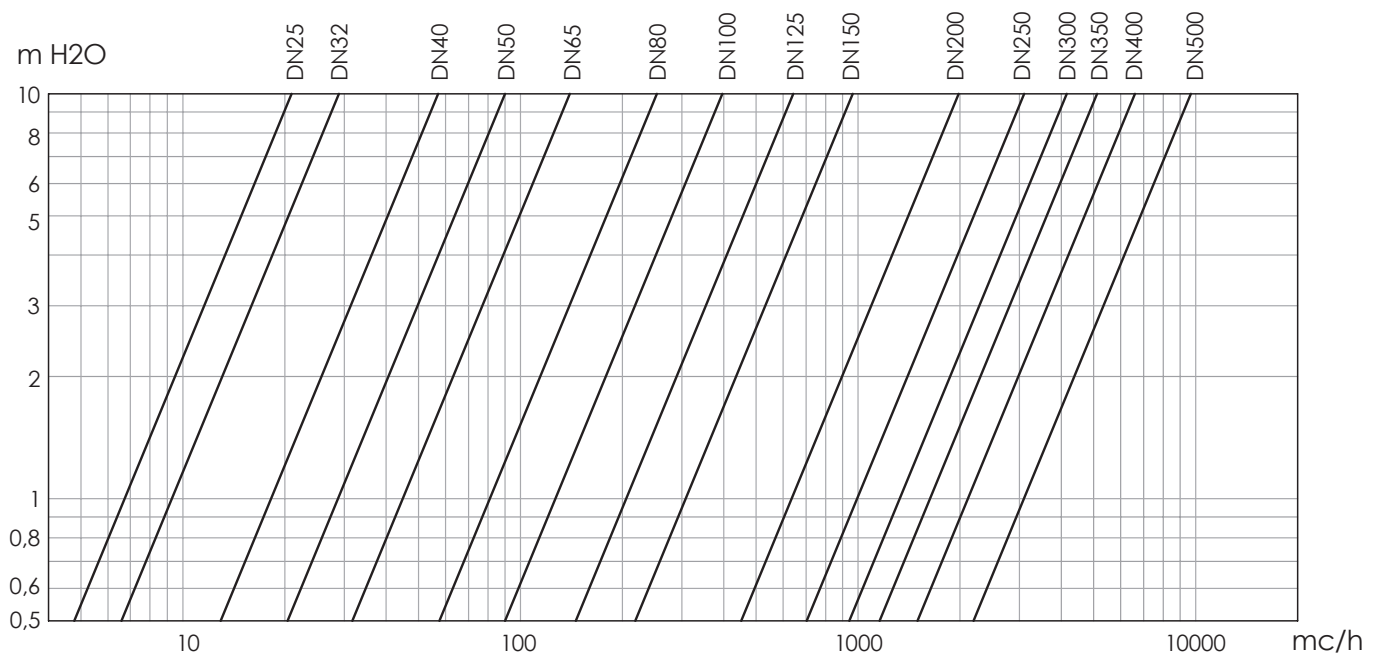
Fluids	
Non-hazardous liquids	16 bar DN25-150 10 bar DN 200-500

Temperature

Temperature	min °C	Max°C
NBR	-10	70

Minimum pressure	0,2 bar
Minimum counterpressure	0,5 bar

Head loss Fluid: water (1m H2O = 0,098bar)



Kv-DN chart

DN	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
Kv	21	29	57	90	140	253	396	642	962	1990	3100	4150	5100	6600	9700

Ball check valve

Versions

EK7 threaded F/F



Coating: **RAL 5002** colour

EK7.100

Threaded F/F
Body: EN GJS 400-15
Ball: NBR coated
Removable bonnet for maintenance
Temp: -10 +70°C



ET7 langed PN10



Coating: **RAL 5002** colour

ET7.100

Flanged
Body: EN GJS 400-15
Ball: NBR coated
Removable bonnet for maintenance
Temp: -10 +70°C



Instruction and Recommendations

STORING

Keep in a closed and dry place.

MAINTENANCE

- Remove the valve from the line
 - Remove the screws from the cover (fig. 1 n°5)
 - Remove the cover (fig. 1 n°2)
 - Take out the O-ring (fig. 1 n°4)
 - Remove the ball (fig. 1 n°3).
- For bigger sizes, turn the body (Fig.1 n°1) by 90°, to remove the ball

RECOMMENDATIONS

Before carrying out maintenance or dismantling the valve:

- be sure that the pipes, valves and fluids have cooled down,
- decrease the pressure and drain the lines and pipes in case of toxic, corrosive, inflammable or caustic liquids.

Temperatures above 50°C and below 0°C might cause damage to people.

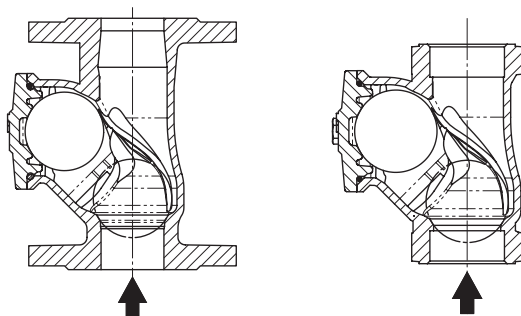
INSTALLATION

- Handle with care.
 - Place the valve between the flanges of the pipe and install the seal between the pipe and valve flanges. Check that the seals have been positioned correctly. The distance between the counter flanges must be the equal to the valve's face to face distance. Do not use bolts of the counter flanges to bring the piping close to the valve. The bolts should be cross tightened.
 - Do not weld the flanges to the piping after installing the valve.
 - Water hammers might cause damage and ruptures. Inclination, torsions and misalignments of the piping may subject the installed valve to excessive stresses.
- It is recommended that elastic joints be used in order to reduce such effects as much as possible.
- Use belts and safety hooks for harnessing and lifting (fig.2).

NOTE. This valve is unidirectional: install in accordance with the flow direction arrow indicated on the body.

Piping with vertical upstream flow: install the valve as shown in figure 3.

FIG. 3



Piping with horizontal or inclined flow (upstream flow): install the valve as shown in figure 4.

FIG. 4

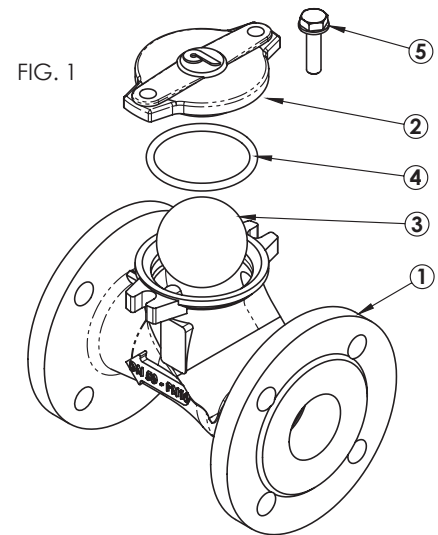
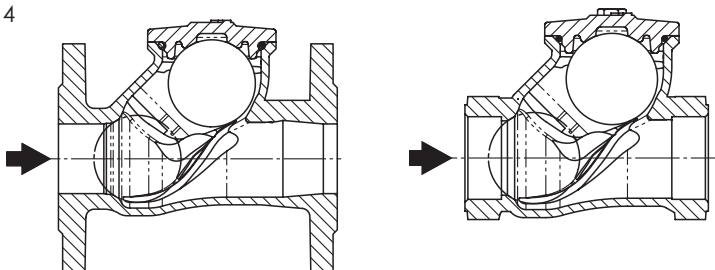


FIG. 2

