

Model 151



- To control the level of liquids in tanks, deposits, etc.

Specifications:

- Nominal pressure: PN-16.
- Whitworth gas-tight male thread cylindrical connector ISO 228/1 1978 (DIN-259), from 3/8" to 2 1/2".

IMPORTANT:

Depending on demand:

- Fluorelastomer closure (Viton), etc.
- Buoy with coating of Epoxy, PTFE (Teflón), Chemical nickel, Shining smooth, etc.
- Entirely Stainless steel (DIN-1.4571) (AISI-316Ti).
(DIN-1.4301) (AISI-304), etc.

No.	Piece	Material			
		Stainless steel			
1	Body	S. steel (DIN-1.4401) (AISI-316)			
2	Coupling	S. steel (DIN-1.4401) (AISI-316)			
3	Closure	Silicone's rubber			
4	Nut	S. steel (DIN-1.4401) (AISI-316)			
5	Lever	S. steel (DIN-1.4401) (AISI-316)			
6	Separator	S. steel (DIN-1.4401) (AISI-316)			
7	Pin	S. steel (DIN-1.4401) (AISI-316)			
8	Stem	S. steel (DIN-1.4401) (AISI-316)			
9	Connector	S. steel (DIN-1.4401) (AISI-316)			
DN		3/8" to 2 1/2"			
PN		16			
Operating conditions	Pressure (bar)	16	15	14	
	Max. temp. (°C)	120	180	200	
	Min. temp. (°C)		-60		

Closure pressure

- The closure pressure of the valve will vary with relation to the specific weight of the liquid being controlled according to the following formula:

$$P = \frac{p}{p_a} Pa$$

P ... Closure pressure liquid / Pa ... Closure pressure water
 p ... Specific weight liquid / pa ... Specific weight water

R	Reduced pitch Ø	A	Pressure (bar)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16																
				0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
3/8"	6	31	Buoy	C.Ø60 x 120				E.Ø90				E.Ø110								PØ150x60
			L	396				366				386								428
			H	215				210				225								222
			Weight (kg)	0,38				0,41				0,50								0,60
			Code	2008-151.3382				2008-151.3382 (+) 34005												
			Flow (l/h) water 20 °C	1058	1560	1780	2027	2270	2482	2603	2640	2794	2880	2970	3120	3250	3380	3510	3614	
1/2"	10	35	Buoy	CØ60x120	EØ90	EØ110	PØ150x60	EØ150												
			L	434	404	424	466	418												
			H	252	245	260		267												
			Weight (kg)	0,53	0,56	0,64	0,90	0,84												
			Code	2008-151.30221 (-) 34005	2008-151.30221			2008-151.30222												
			Flow (l/h) water 20 °C	2644	3738	4575	5287	5640	6346	7385	7457	7931	8354	8674	9051	9425				
3/4"	12,5	40	Buoy	EØ90	EØ110	PØ150x60	EØ150													
			L	450	469	509	507													
			H	240	255	250	282													
			Weight (kg)	1,04	1,12	1,27	1,32													
			Code	2008-151.3342																
			Flow (l/h) water 20 °C	4522	6395	7823	9044	10090	11033	11937	12797	13566	14289	14850						
1"	16	45	Buoy	EØ110	PØ150x60	PØ200x80	EØ150	EØ150	PØ250x95											
			L	475	507	565	510	615	732											
			H	257	250	275	285	327	350											
			Weight (kg)	1,20	1,34	1,48	1,38	1,25	1,77											
			Code	2008-151.31021					2008-151.31022											
			Flow (l/h) water 20 °C	6480	9270	11352	13148	14667	16044	17363	18369	19398	20510							
1 1/4"	21	50	Buoy	EØ150	PØ250x95			EØ200				PØ300x15								
			L	637	737			680				787								
			H	317	327			355				350								
			Weight (kg)	1,82	2,21			1,95				2,72								
			Code	2008-151.31421					2008-151.31422											
			Flow (l/h) water 20 °C	11508	16226	19925	23016	25663	28080	30382	32204	34136	36040							
1 1/2"	24	57	Buoy	PØ250x95		EØ200	PØ300x115			PØ350x130 or EØ300										
			L	660		610	710			760 or 710										
			H	285		315	310			330 or 385										
			Weight (kg)	2,60		2,57	3,11			3,25 or 3,30										
			Code	2008-151.3121			2008-151.3122													
			Flow (l/h) water 20 °C	14548	20512	25167	29070	32442	35362	38544	42216	46089	50200							
2"	29	60	Buoy	EØ200			PØ300x115			PØ350x130			EØ300							
			L	677			777			827			777							
			H	410			417			440			485							
			Weight (kg)	3,86			4,39			4,81			4,87							
			Code	2008-151.3202																
			Flow (l/h) water 20 °C	22136	31648	38296	44273	49364	54010	58439	63114	68030	72792							
2 1/2"	40	79	Buoy	EØ200	PØ300x115	PØ350x130 or EØ300														
			L	704	804	845 or 804														
			H	420	427	450 or 490														
			Weight (kg)	6,52	7,30	7,72 or 7,50														
			Code	2008-151.3222																
			Flow (l/h) water 20 °C	36015	50138	61128	70615	78342												

IMPORTANT:

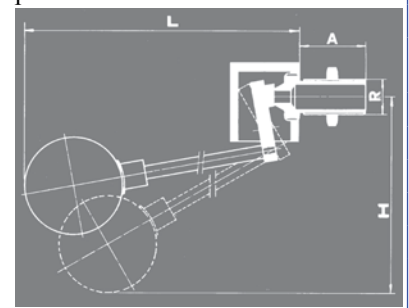
C - Cylindrical buoy

E - Spherical buoy

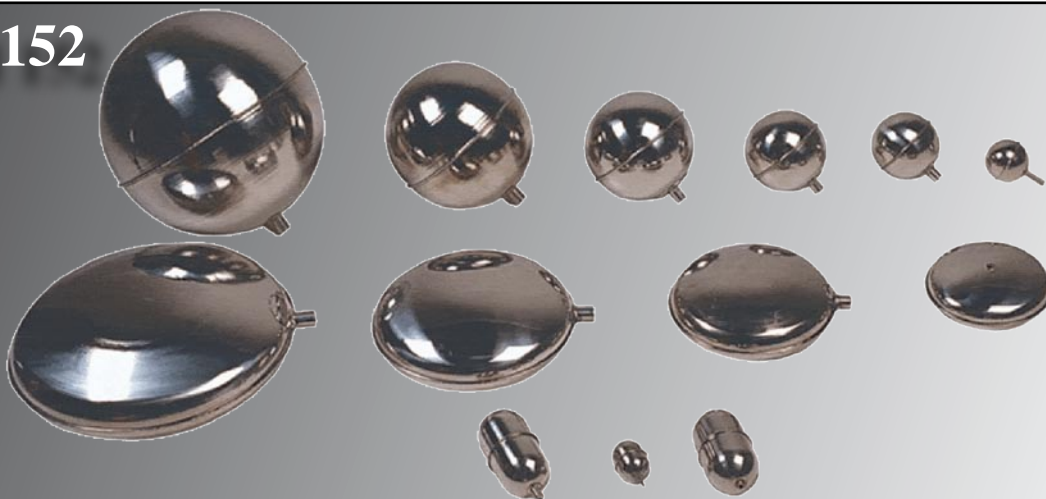
P - Flat buoy

- Use relevant code for the buoy, according to Model 152

- Buoys suitable for higher pressure are also suitable for use at lower pressure



Model 152



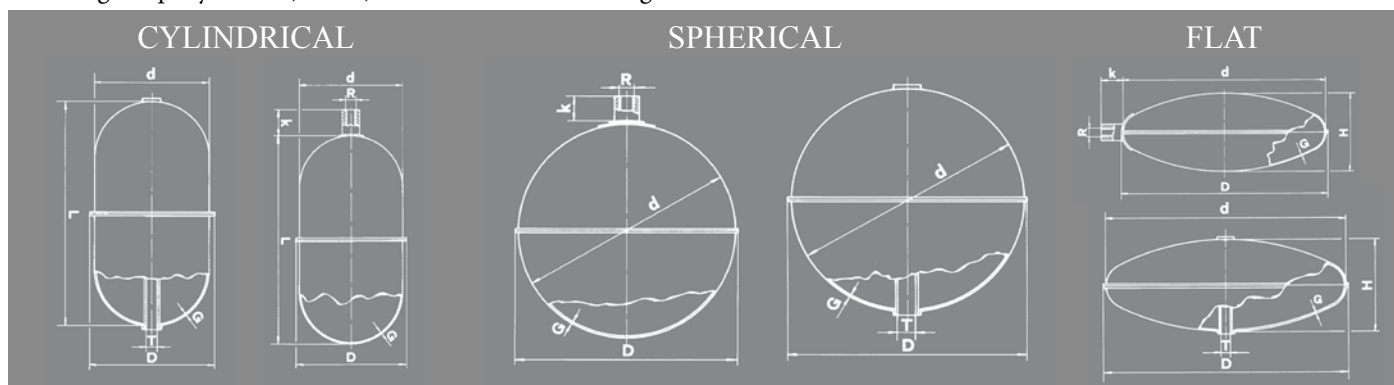
Specifications:

- Entirely Stainless steel (DIN-1.4401) (AISI-316).
- Finished: Glass-ball blast.

IMPORTANT

Depending on demand:

- Stainless steel (DIN-1.4571) (AISI-316Ti), (DIN-1.4301) (AISI-304), etc.
- Coating of Epoxy, PTFE (Teflón), Chemical nickel, Shining smooth, etc.



	Buoy		Support		Tube T	Service temperature (°C)					Plate G	Weight (kg)	Max. thrust in water (Kp)	Code 2008-		
	d x L	D	R	K		20	50	100	150	200						
Cylindrical	Ø 40 x 50	Ø 42 ₍₁₎	M4	10	-	4/6	20,0	18,0	15,5	14,0	12,5	0,8	0,04	0,015	152.0012	
			-	-	-		0,05	0,012	152.0022							
	Ø 60 x 120*	Ø 65**	M6	16	-	-	19,0	17,1	14,8	13,3	11,9		0,13	0,128	152.0032	
			-	-	-	-	22,0	20,0	17,2	15,0	13,5		0,14	152.00321		
			-	-	-	6/8	19,0	17,1	14,8	13,3	11,9		0,16	152.0042		
			-	-	-	-	22,0	20,0	17,2	15,0	13,5		0,17	152.00421		
Spherical	d															
	Ø 60	Ø 63	M4	30	-	-	38,0	34,2	29,6	26,6	23,9	0,8	0,08	0,025	152.0052	
	Ø 90	Ø 94	M10	16	-	-	25,0	22,5	19,5	17,5	15,7		0,16	0,194	152.0062	
	Ø 105	Ø 112	-	-	18/20	-	21,9	19,7	17,1	15,4	13,8		0,28	0,340	152.0172	
	Ø 110	Ø 116	M10	16	-	-	20,0	18,0	15,6	14,0	12,6		0,24	0,434	152.0072	
	Ø 150	Ø 156	M10	16	-	-	15,0	13,5	11,7	10,5	9,4	0,42	1,220	152.0082		
	Ø 200	Ø 206	M12	16	-	-	13,5	12,2	10,5	9,4	8,5	0,62	3,340	152.0092		
	Ø 300	Ø 307	M12	16	-	-	8,5	7,7	6,6	5,9	5,3	1,60	12,280	152.0102		
Flat	d x H															
	Ø 150 x 60	Ø 156	M10	20	-	-	8/10	5,8	5,2	4,5	4,0	3,6	0,8	0,34	0,380	152.0112
			-	-	-	-		0,32	0,370	152.0122						
	Ø 200 x 80	Ø 206	M10	20	-	-	4,3	3,9	3,3	3,0	2,7	0,52		0,954	152.0132	
							Ø 250 x 95	Ø 256	3,5	3,2	2,7	2,4		2,1	0,94	2,160
	Ø 300 x 115	Ø 307	M12	25	-	-	3,3	2,9	2,5	2,3	2,0	1,40		3,700	152.0152	
Ø 350 x 130	Ø 356	2,8					2,5	2,1	1,9	1,7	1,82	6,300		152.0162		

* These buoys are supplied with Epoxy coating.
 □ Maximum service pressure in bar, for the effect of corrosion, into the vessel.
 If corrosion is greater than 0,1 mm. we advise you change the buoy.

(1) Male thread