

FIG. 050 E, EP SPHERICAL THREADED BUOY - E & NON-THREADED - EP

Features:

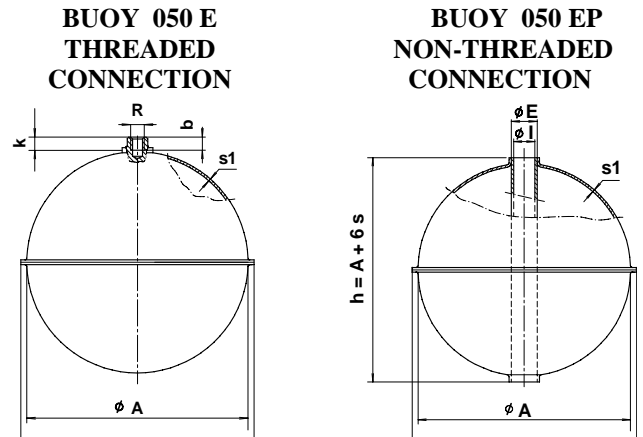
Made from stainless steel
AISI 316 / DIN 1.4401.
Welded in a protective argon atmosphere.

Tests:

Maximum working pressure.
Test pressure and flattening. Sealed

Fixing system: Threaded connection & non-threaded connection (guide tube).

Finishing: Polished & shiny



On demand & minimum quantities:

- Materials: AISI 316L / DIN 1.4404; AISI 304 / DIN 1.4301; AISI 316 Ti / DIN 1.4571; MONEL 400 / DIN 2.4360
- Other fixing Systems, other Ø of tube for the non-threaded version.
- Finishing: Nickel (Ni) coated, Titanium Nitride, Epoxi, etc.

DIMENSIONS [mm]								Mass (Weight) [kg]	1) MAX FORCE IN WATER AT 20°C [N / kgf]	2) MAX WORKING PRESSURE [bar] TEMP. [° C]				
BUOY			CONNECTION Fixing							G	E	20 °	*100 °	*200 °
Ø A	Ø B	s1	R	k	b	Ø I	Ø E							
50	52	0,5 - 0,05	M6	9	5,5	-----	-----	0,0330	0,333 / 0,034	32,5	28,4	23,3		
			-----	-----	-----	13,5	14,5	0,0372	0,216 / 0,022	38,3	33,6	27,6		
60	64,3	0,6 - 0,1	M6	4	7	-----	-----	0,053	0,630 / 0,064	30,0	26,1	21,0		
			-----	-----	-----	13	15	0,066	0,424 / 0,043	34,0	29,9	24,0		
3) 90	96	0,6 - 0,1	M 6	4	7	-----	-----	0,118	2,491 / 0,254	22,5	19,8	16,3		
			-----	-----	-----	13	15	0,141	2,138 / 0,218	25,0	22,0	18,0		
3) 110	117	0,8 - 0,1	M 6	4	7	-----	-----	0,235	4,502 / 0,459	24,0	21,1	17,4		
			-----	-----	-----	13	15	0,266	4,032 / 0,411	25,5	22,4	18,2		
120	128	0,8 - 0,1	M6	4	7	-----	-----	0,269	6,494 / 0,662	21,0	18,4	15,1		
			-----	-----	-----	13	15	0,334	5,690 / 0,580	22,0	19,3	15,8		
130	135	0,8 - 0,1	M6	4	7	-----	-----	0,315	8,191 / 0,835	19,0	16,6	13,6		
			-----	-----	-----	13	15	0,354	7,641 / 0,779	19,8	17,3	14,2		
150	159	0,6 - 0,1	M8	4	8	-----	-----	0,300	13,94 / 1,422	9,5	8,4	6,9		
			-----	-----	-----	13	15	0,345	13,02 / 1,328	10,0	8,8	7,2		
160	169	0,8 - 0,1	M 8	4	8	-----	-----	0,491	16,661 / 1,698	12,0	10,6	8,7		
			-----	-----	-----	13	15	0,539	15,970 / 1,628	12,4	10,9	8,9		
200	211	0,8 - 0,1	M 12	10	16	-----	-----	0,747	33,080 / 3,372	10,0	8,8	7,2		
			-----	-----	-----	13	15	0,792	32,420 / 3,305	10,3	9,0	8,9		
250	263	1,2 - 0,15	M12	10	16	-----	-----	1,585	59,890 / 6,100	* 13,3	* 11,6	* 9,5		
			-----	-----	-----	13	15	1,648	58,940 / 6,010	* 13,5	* 11,8	* 9,7		
300	315	1,0 - 0,15	M12**	10	16	-----	-----	2,781	115,10 / 11,74	* 9,5	* 8,3	* 6,7		
			3/8"G**	12	16	-----	-----							
			-----	-----	-----	13	15	2,881	113,79 / 11,60	* 9,65	* 8,5	* 6,9		
400	415	1,0 - 0,1	M12**	10	16	-----	-----	4,513	291,02 / 29,66	* 7,0	* 6,1	* 4,9		
			3/8"G**	12	16	-----	-----							
			-----	-----	-----	13	15	4,627	289,39 / 29,49	* 7,1	* 6,2	* 5,0		

FIG. 050 E, EP SPHERICAL THREADED BUOY - E & NON-THREADED - EP

Page : 2
Page : 2

Clarification of data included in the table found on the back (page 2) of this page. —————→

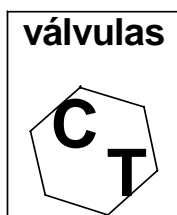
- 1) The maximum force in water at 20°C is the force of the stainless steel (AISI 316) float that is totally immersed.
 - 2) Maximum working pressure at 20°C is determined for the stainless steel (AISI 316) and for corrosion of 0.1mm.
In none corrosive environments it is possible to increase the working pressure. However, you should first contact our technical department.
 - 3) The spherical floats of Ø 90 mm and Ø 110 mm threaded, can also be supplied in Monel 400. The features of these floats can be found in the corresponding catalogue of the Monel floats, catalogue Fig. 050 C-ML y E-ML.
- *) Theoretical values are determined by AD-Merkblatt B ÷ B3, Stahlschlüssel for stainless steel AISI 316 / DIN1.4401.
- **) According to the demands of the mechanical resistance of the connections (threaded), for higher loads and the fatigue a 3/8" G thread should be used.

Force E_L of the float with in any liquid other than water at 20°C:

The maximum force E_L of the float when totally immersed in a liquid which is not water at 20° C and at 1 bar, or in water which is not 20°C, is determined by recalculating the values of E (for water) from the table. The recalculation uses the density d_L of the new liquid and the density d_A of the water at 20°C and at 1 bar. To carry out a recalculation you should contact our technical department.

We recommend you consult other information leaflets of the cylindrical, spherical and flat floats, available from Válvulas CT for your information.

Non-binding information sheet and may be modified without notice.



Rda. Shimizu nº 2, Nave 4
Pol. Ind. Can Torrella
08 233 Vacarisses - Barcelona
Tel. 93 828 04 44 - Fax. 93 828 04 50
E- mail: info@valvulasct.com
Comercial@valvulasct.com
www.valvulasct.com

