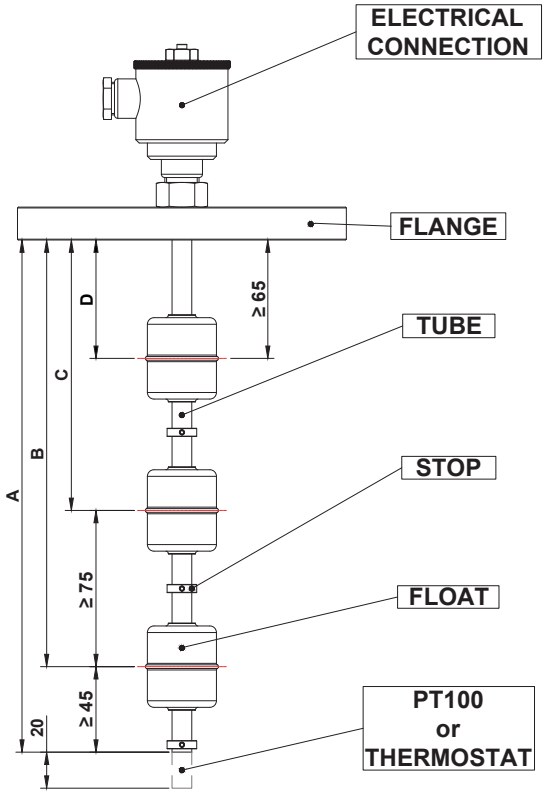
IEG-INOX-DN_-PN_

ELECTROMAGNETIC LEVEL INDICATORS WITH ONE OR MORE CONTACTS, OPTIONAL THERMOSTAT, AND UNI EN 1092-1 TYPE 05A OR 05B



APPLICATION:
Designed to ensure maximum safety in monitoring different liquid levels and temperature inside the tank.
Suitable for tanks containing liquids compatible with the stainless-steel tube, such as hydraulic oils, lubricating oils (provided their viscosity does not exceed 220 cSt), fuel oils, petroleum products, and similar liquids.

OPERATING PRINCIPLE:
As the float moves along the guide tube and reaches the preset position, it actuates the built-in reed switch by means of the magnet housed inside the float. The electrical contact then opens or closes, allowing a remote signal to be transmitted. If the optional temperature sensor is selected, when the liquid temperature inside the tank changes (PT100) or reaches the preset switching value (THERMOSTAT), the device can transmit either an additional remote signal (THERMOSTAT) or the corresponding resistance variation (PT100).

INSTALLATION:
The level indicator must be installed in a vertical position. Ensure that the float is kept at a minimum distance of 35 mm from any ferromagnetic surface (tank walls, steel structures, etc.) to guarantee proper operation.

Operating pressure: see the FLANGE DIMENSION TABLES.

IEG-INOX-DN_-PN_

DIMENSIONS OF UNI EN 1092-1 TYPE 05A
BLIND FLANGES

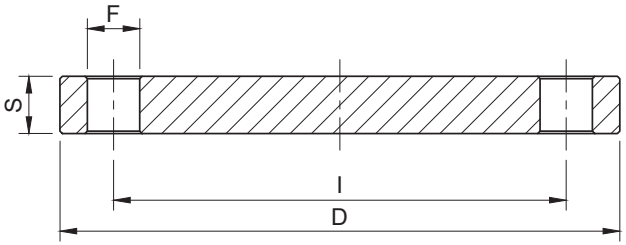
PN6					
DN	l	D	S	F	No. holes
10	50	75	12	11	4
15	55	80	12	11	4
20	65	90	14	11	4
25	75	100	14	11	4
32	90	120	14	14	4
40	100	130	14	14	4
50	110	140	14	14	4
65	130	160	14	14	4
80	150	190	16	18	4
100	170	210	16	18	4

PN10					
DN	l	D	S	F	No. holes
10	60	90	16	14	4
15	65	95	16	14	4
20	75	105	18	14	4
25	85	115	18	14	4
32	100	140	18	18	4
40	110	150	18	18	4
50	125	165	18	18	4
65	145	185	18	18	8
80	160	200	20	18	8
100	180	220	20	18	8

PN16					
DN	l	D	S	F	No. holes
10	60	90	16	14	4
15	65	95	16	14	4
20	75	105	18	14	4
25	85	115	18	14	4
32	100	140	18	18	4
40	110	150	18	18	4
50	125	165	18	18	4
65	145	185	18	18	8
80	160	200	20	18	8
100	180	220	20	18	8

PN25					
DN	l	D	S	F	No. holes
10	60	90	16	14	4
15	65	95	16	14	4
20	75	105	18	14	4
25	85	115	18	14	4
32	100	140	18	18	4
40	110	150	18	18	4
50	125	165	20	18	4
65	145	185	22	18	8
80	160	200	24	18	8
100	190	235	24	22	8

PN40					
DN	l	D	S	F	No. holes
10	60	90	16	14	4
15	65	95	16	14	4
20	75	105	18	14	4
25	85	115	18	14	4
32	100	140	18	18	4
40	110	150	18	18	4
50	125	165	20	18	4
65	145	185	22	18	8
80	160	200	24	18	8
100	190	235	24	22	8



DIMENSIONS OF UNI EN 1092-1 TYPE 05B
BLIND FLANGES

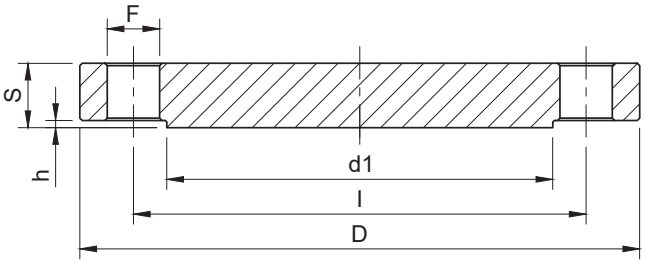
PN6							
DN	l	D	S	F	d1	h	No. Holes
10	50	75	12	11	35	2	4
15	55	80	12	11	40	2	4
20	65	90	14	11	50	2	4
25	75	100	14	11	60	2	4
32	90	120	14	14	70	2	4
40	110	130	14	14	80	3	4
50	110	140	14	14	90	3	4
65	130	160	14	14	110	3	4
80	150	190	16	18	128	3	4
100	170	210	16	18	148	3	4

PN10							
DN	l	D	S	F	d1	h	No. Holes
10	60	90	16	14	40	2	4
15	65	95	16	14	45	2	4
20	75	105	18	14	58	2	4
25	85	115	18	14	68	2	4
32	100	140	18	18	78	2	4
40	110	150	18	18	88	3	4
50	125	165	18	18	102	3	4
65	145	185	18	18	122	3	8
80	160	200	20	18	138	3	8
100	180	220	20	18	158	3	8

PN16							
DN	l	D	S	F	d1	h	No. Holes
10	60	90	16	14	40	2	4
15	65	95	16	14	45	2	4
20	75	105	18	14	58	2	4
25	85	115	18	14	68	2	4
32	100	140	18	18	18	2	4
40	110	150	18	18	88	3	4
50	125	165	18	18	102	3	4
65	145	185	18	18	122	3	8
80	160	200	18	18	138	3	8
100	180	220	18	18	158	3	8

PN25							
DN	l	D	S	F	d1	h	No. Holes
10	60	90	16	14	40	2	4
15	65	95	16	14	45	2	4
20	75	105	18	14	58	2	4
25	85	115	18	14	68	2	4
32	100	140	18	18	78	2	4
40	110	150	18	18	88	3	4
50	125	165	20	18	102	3	4
65	145	185	22	18	122	3	8
80	160	200	24	18	138	3	8
100	190	235	24	22	162	3	8

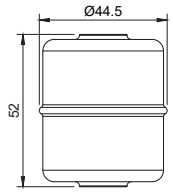
PN40							
DN	l	D	S	F	d1	h	No. Holes
10	60	90	16	14	40	2	4
15	65	95	16	14	45	2	4
20	75	105	18	14	58	2	4
25	85	115	18	14	68	2	4
32	100	140	18	18	78	2	4
40	110	150	18	18	88	3	4
50	125	165	20	18	102	3	4
65	145	185	22	18	122	3	8
80	160	200	24	18	138	3	8
100	190	235	24	22	162	3	8



TECHNICAL DATA AND ORDER

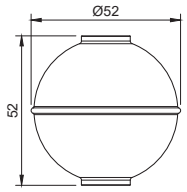
FLOATS

A



S.G.: 0,53g/cm³

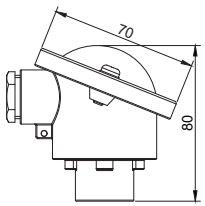
B



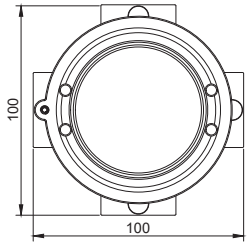
S.G.: 0,53g/cm³

ELECTRICAL CONNECTIONS

1



2



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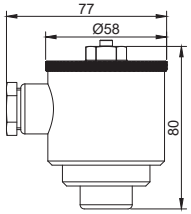

ELECTRICAL DATA

ELECTRICAL CONTACTS	ELECTRICAL CHARACTERISTICS			
	DC SWITCHABLE POWER	AC SWITCHABLE POWER	AC CURRENT INTENSITY	SWITCHABLE VOLTAGE
SPST	80 W	80 V.A.	1,3 A	250 VDC / VAC
SPDT	60 W	60 V.A.	1 A	230 VDC / VAC

THERMOSTAT ELECTRICAL CHARACTERISTICS	
VOLTAGE	250V SWITCHABLE
FREQUENCY	50 Hz
LOAD VALUES	4,0A cosϕ = 0,6 (I M OT) 6,3A cosϕ = 1,0 (I N)
MAX. LOAD	10A cosϕ = 1
SWITCHING TEMPERATURE	50°C - 60°C - 70°C - 80°C
CONTACTS	N.C. = NORMALLY CLOSED N.O. = NORMALLY OPEN
TOLERANCE	± 5°C

MODEL	DN	PN	TYPE	"A"	ELECTRICAL CONNECTION	FLOATS	TEMPERATURE SENSOR	N° CHECKPOINTS	WIRING	OCCUPIED POLES						QUOTE AND NATURE OF CONTACTS IN THE PRESENCE OF LIQUID					
										SPST			SPDT			"B"		"C"		"D"	
										SPST	SPST + THERM.	SPST + PT100	SPDT	SPST + THERM.	SPDT + PT100	QUOTE +		QUOTE +		QUOTE +	
IEG-INOX	DN 10	PN 6	A 05A	FROM 110 TO 3500	1 6 POLES IP68	A Ø44,5 x 52 AISI316 MAX PN10	1 WITHOUT	1	1 COMMON	2	3	5	3	4	6	C SPST N.C.		- WITHOUT		- WITHOUT	
	DN 15						2 PT100														
	DN 20	PN 10					3 THERMOSTAT 50°C - NO		SEPARATE	2	4	5	3	5	6						
	DN 25						4 THERMOSTAT 60°C - NO	2										C SPST N.C.		C SPST N.C.	
	DN 32	PN 16			2 10 POLES IP65		5 THERMOSTAT 70°C - NO		1 COMMON	3	4	6	5	6	8	O SPST N.O.					
	DN 40						6 THERMOSTAT 80°C - NO		SEPARATE	4	6	7	6	8	9			O SPST N.O.		O SPST N.O.	
	DN 50	PN 25	B 05B			B Ø52 x 52 SPHERICAL AISI316 MAX PN40	7 THERMOSTAT 50°C - NC	3	1 COMMON	4	5	7	7	8	10	S SPDT					
	DN 65						8 THERMOSTAT 60°C - NC											S SPDT		S SPDT	
	DN 80	PN 40			3 6 POLES IP68 AISI316		9 THERMOSTAT 70°C - NC		SEPARATE	6	8	9	9	//	//						
	DN 100						10 THERMOSTAT 80°C - NC														
IEG-INOX	DN 100	PN 16	A	2000	3	B	1	3	S							1960-C		1400-O		1000-C	