

動作原理 WORKING PRINCIPLE

"側裝式浮球液位開關"是利用液體浮力原理，當浮球因浮力作用而上下運動時，接線盒內的磁簧開關受到臂端磁鐵影響，而作"NC"接點與"NO"接點之互換。同樣地原理運用在微動開關裝置上，微動開關前之磁鐵和臂端磁鐵作互斥運動而推壓微動開關，造成"NC"和"NO"動作。

The reed switch relies on two basic scientific principles namely: buoyancy and magnetism. Buoyancy causes the float (which contains a magnet) to rise with the liquid and magnetism helps open and close the switch. A change in liquid levels raises or lowers the float up or down. The end of the pivot arm (non float side) contains a permanent magnet that can repel the switch magnet (inside the stationary 'stem' of the entire structure). When the float magnet moves close to the switch's stationary stem, the float magnet repels the switch magnet which either opens or closes the Electrical circuit.

特點 FEATURES

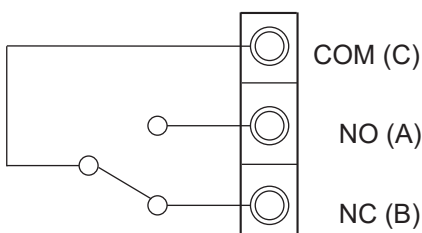
"側裝式浮球液位開關"為桶槽內水平裝置的液位偵測器，可用於高低液位偵測，其特點如下：

- 可選擇"微動開關"或"磁簧開關"；微動開關可適用操作溫度100°C以下。
- 接液部材質可選用SUS304或SUS316；防爆型亦可以製造。
- 法蘭規格可以訂製。
- 多種浮球規格，亦可適用各種不同比重之液體。

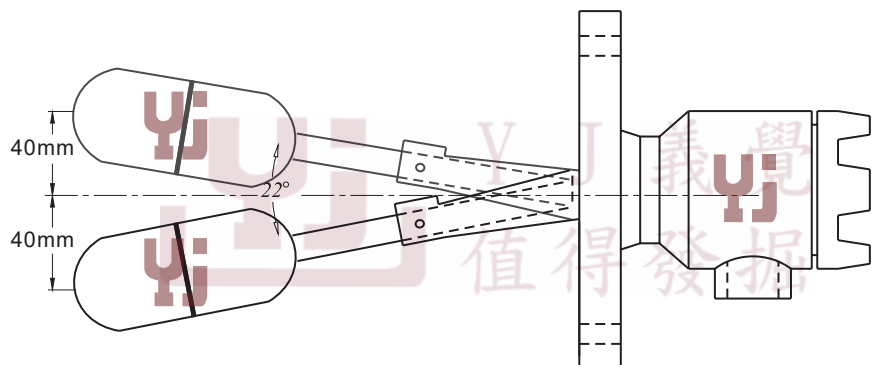
The side mounted float level sensor are manufactured specifically for horizontal mounting on tanks or vessels. They work well as high or low level controls.

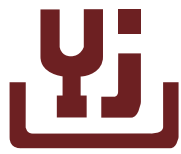
1. Both Micro-Switch types and Reed Switches are available. The MicroSwitch type is usable even at ambient temperatures of 100° C maximum.
2. Mounting flanges are custom-made. (JIS, DIN,ANSI)
3. A wide variety of floats for different solution's specific gravities (S.G.) are available.
4. Wetted parts material ranges from plastics, stainless steel, anti-corrosive and explosion proof types.

接線圖 WIRING



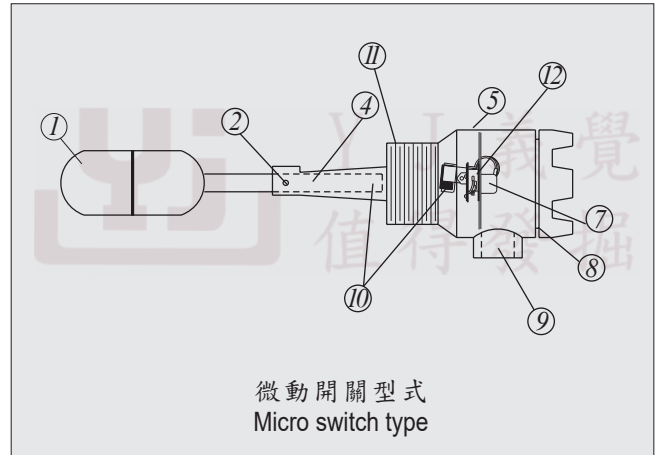
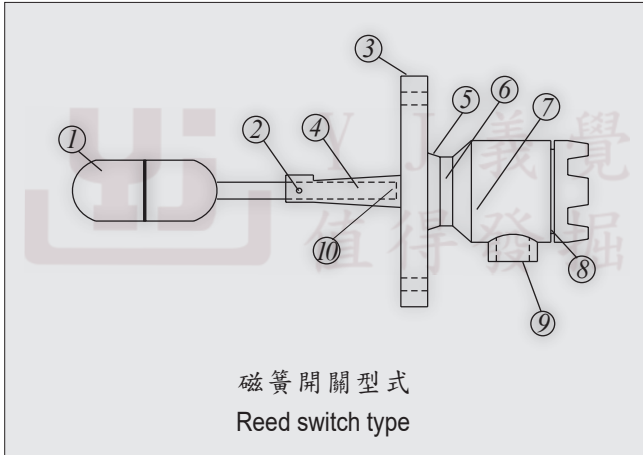
磁簧開關 REED SWITCH





CONFIGURATION DIAGRAMS
標 準 規 格

SIDE MOUNTING FLOAT SWITCH
側 裝 式 浮 球 液 位 開 關



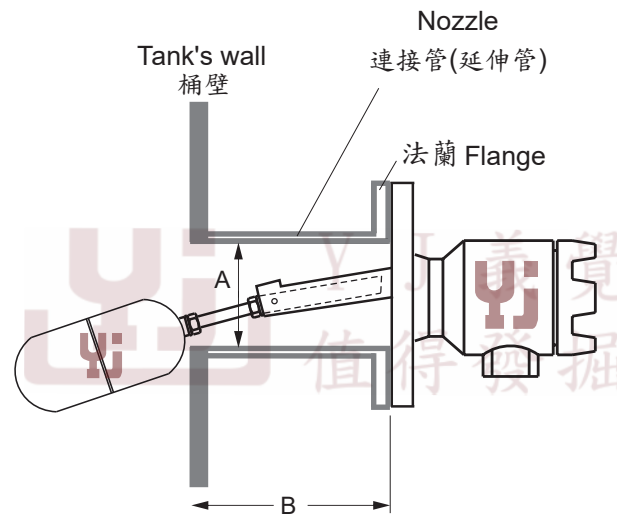
- | | | | | | |
|--------|--------|---------|-------------|----------|-------------|
| 1. 浮球 | Float | 5. 接線盒 | Housing | 9. 出線口 | Conduit |
| 2. 固定軸 | Shaft | 6. 磁簧開關 | Reed Switch | 10. 磁鐵 | Magnet |
| 3. 法蘭 | Flange | 7. 端子 | Terminal | 11. 牙口 | Screw |
| 4. 臂 | Pivot | 8. O型環 | O-ring | 12. 微動開關 | Microswitch |

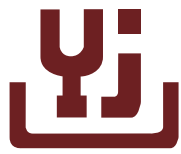
※客戶現場使用之連接管(延伸管)長度與管徑大小成正比，
配合尺寸請參考下表：

The diameter and length of the connecting pipe (of a tank)
are in direct proportion.

單位UNIT: mm

Pipe dia. 管內徑 (A)	45-50	50-55	55-60	60-65	65-70
Length 長度 (B) (Max.)	130	140	150	160	170

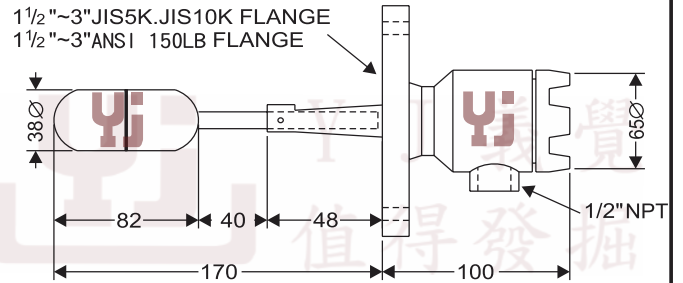




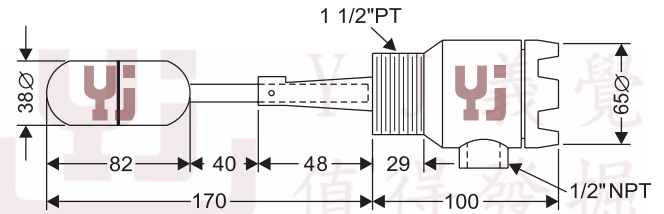
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側 裝 式 浮 球 液 位 開 關

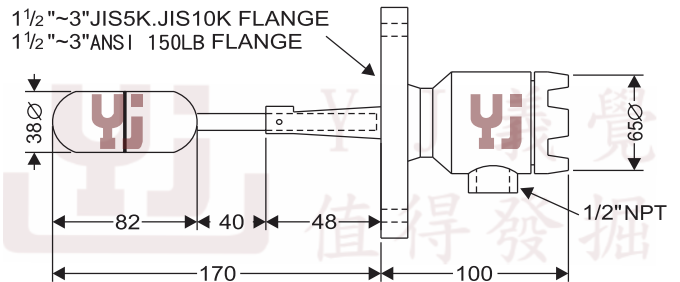
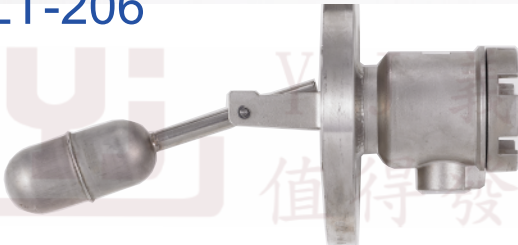
Explosion-Proof
防爆型



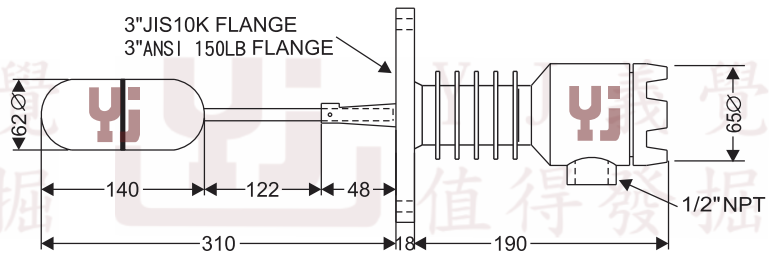
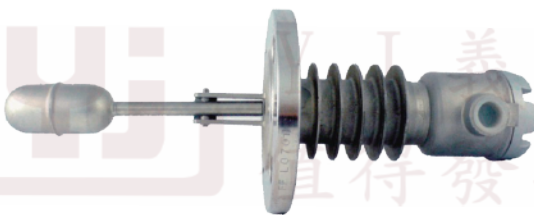
LT-205



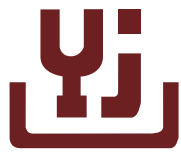
LT-206



LT-207



LT-205L,LT-206L,LT-207	MODEL	LT-205	LT-206	LT-207
<p>磁簧開關 Reed Switch</p>	MATERIAL	304SS 316SS	304SS 316SS	304SS 316SS
	MAX CURRENT	0.7A	0.7A	0.7A
	MAX VOLTAGE	250 V	250 V	250 V
	TEMPER. RATING	-20 ° ~150 °C	-20 ° ~150 °C	-20 ° ~300 °C
	PRESS. RATING	30kg/cm ²	30kg/cm ²	30kg/cm ²
	SP. GR.	0.7	0.7	0.6

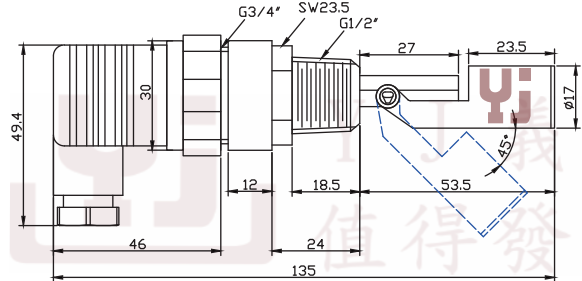


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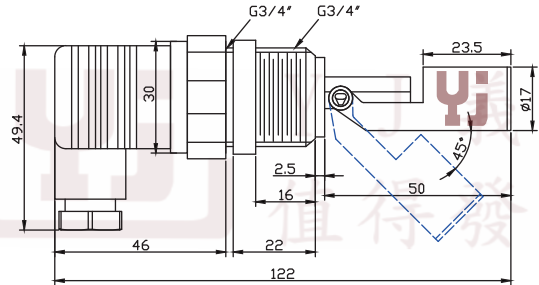
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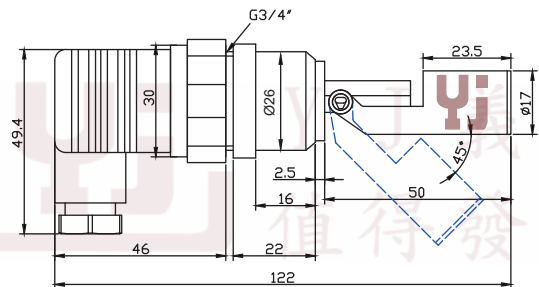
YJLSB-G1/2-HSM



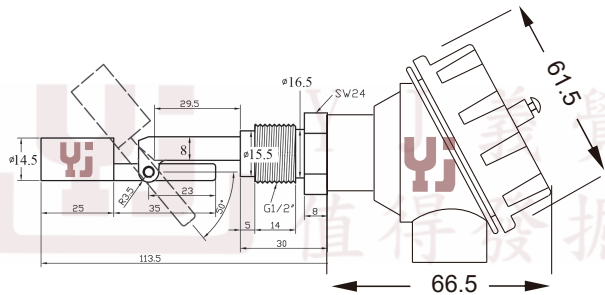
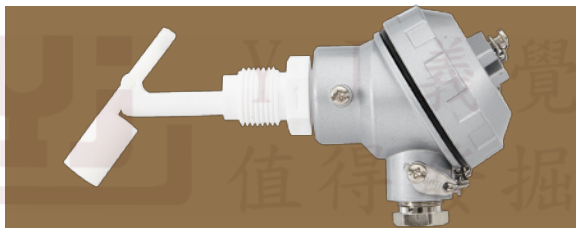
YJLSB-G3/4-HSM



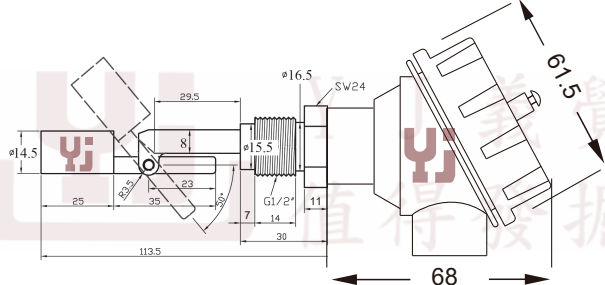
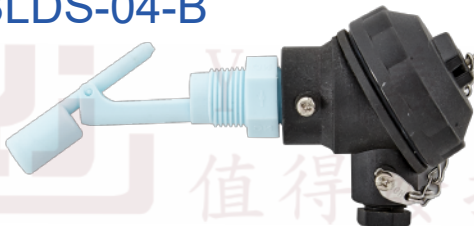
YJLSB-26-HSM



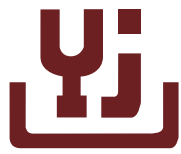
YJ-WLDS-04-B



YJ-BLDS-04-B



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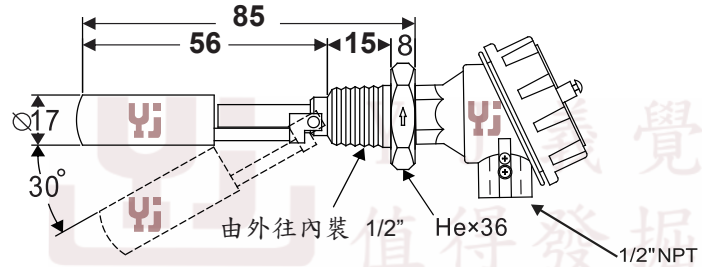
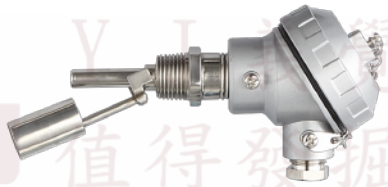


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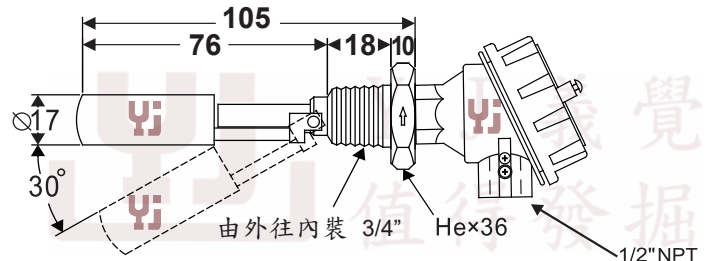
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SIDE MOUNTING FLOAT SWITCH
側 裝 式 浮 球 液 位 開 關

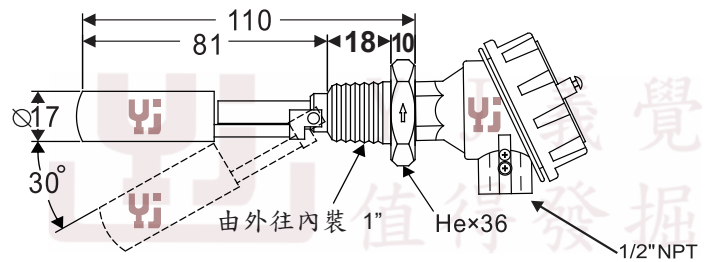
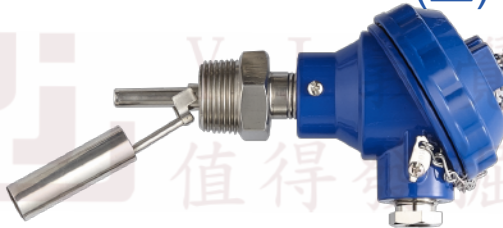
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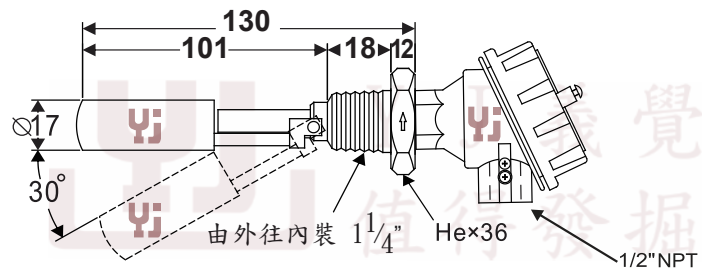
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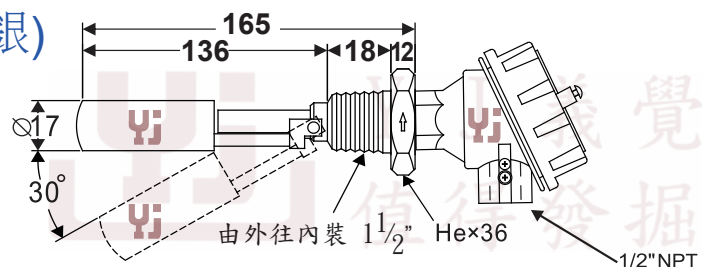
YJmet-HYZ-G1-55-AKNC(藍)



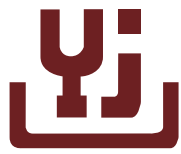
YJmet-HYZ-G1 1/4-75-BKB



YJmet-HYZ-G1 1/2-110-AKNC(銀)



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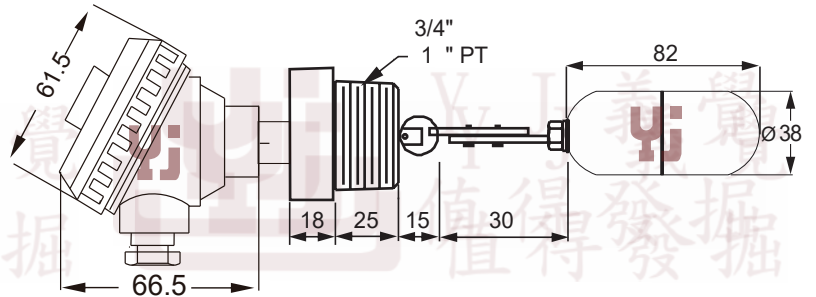
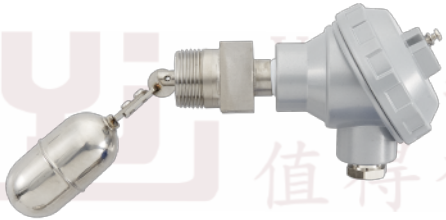


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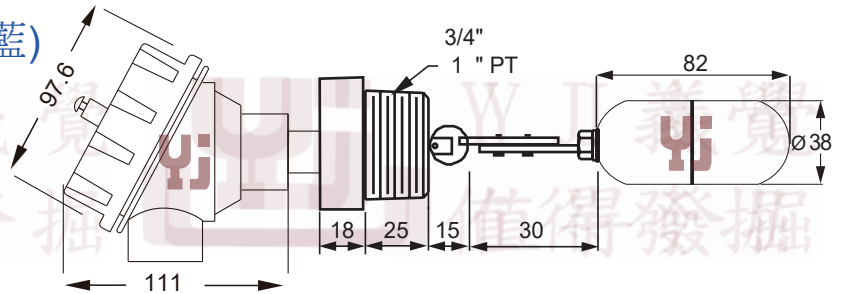
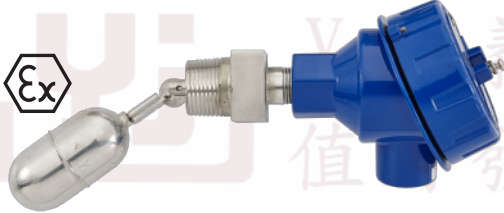
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SIDE MOUNTING FLOAT SWITCH
側 裝 式 浮 球 液 位 開 關

YJmet-HYZ-G3/4-A3882-AKSC

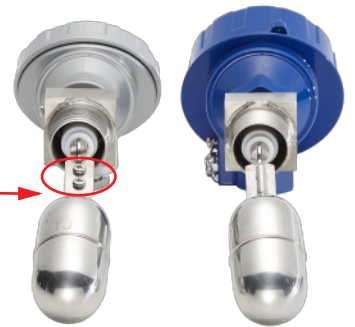


YJmet-HYZ-G3/4-3882-AXDA(藍)

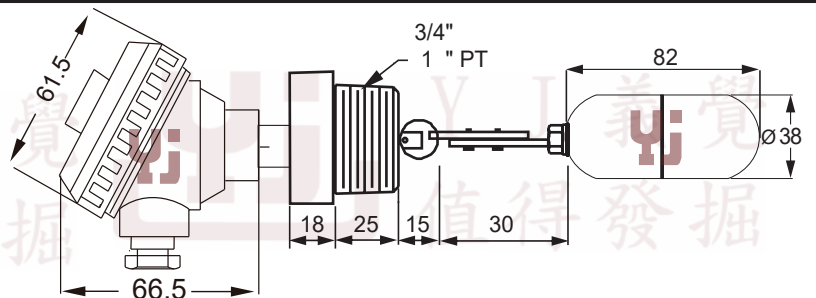
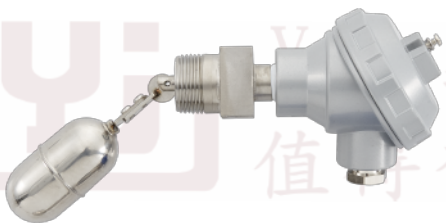


材質 鐵氟龍 Teflon
耐酸鹼
Acid-Proof
Alkali-Proof

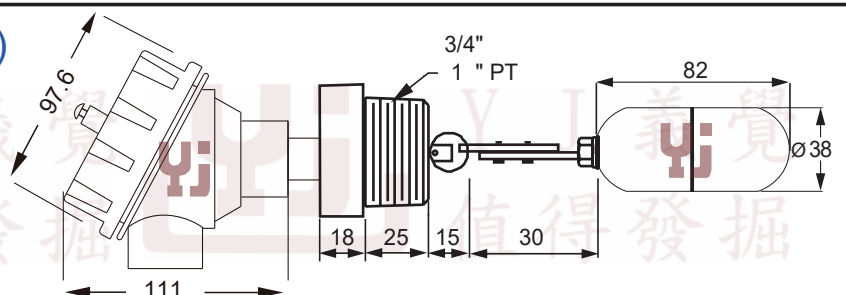
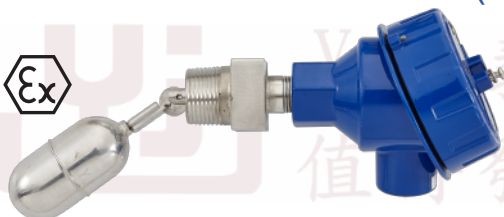
可拆卸
Knock down



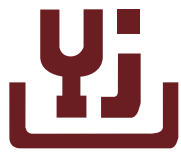
YJmet-HYZ-G1-A3882-AKSC



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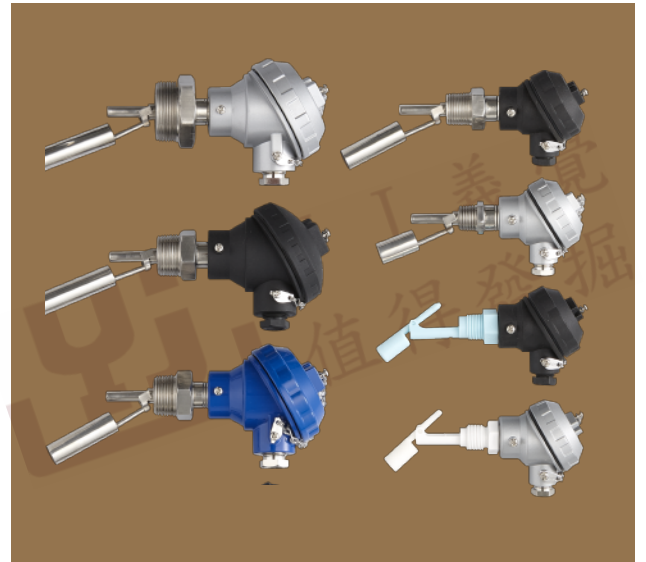


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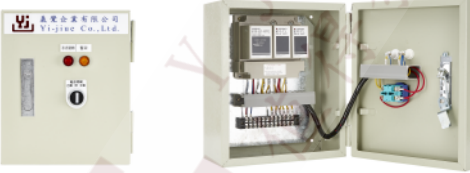
SHOWROOM
實體展示

SIDE MOUNTING FLOAT SWITCH
側裝式浮球液位開關

61F-G-OTE



61F-G1-OTE



61F-G2

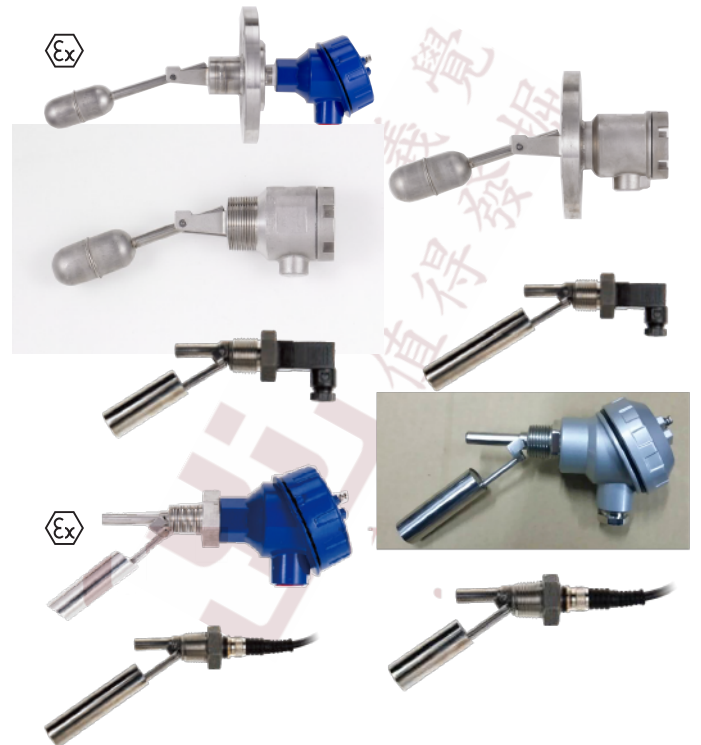


OMRON
歐姆龍

+

SENSOR
液位計

61F-G3



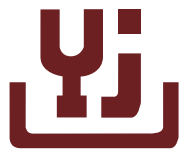
61F-G4



61F-I



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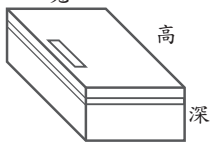
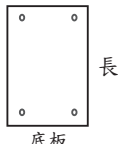
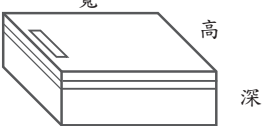
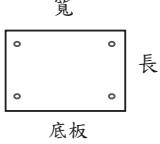
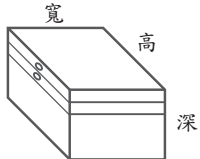
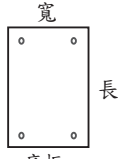
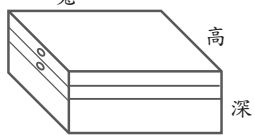
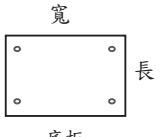
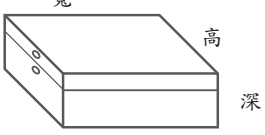
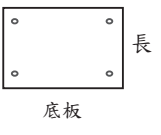


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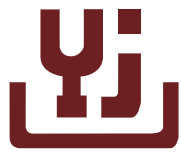
SHOWROOM
實體展示

SIDE MOUNTING FLOAT SWITCH
側裝式浮球液位開關

配 電 箱 尺 寸 規 格

			鐵箱厚度 (mm)				鐵箱厚度 (mm)
	寬 X 高 X 深 mm	寬 X 長 mm			寬 X 高 X 深 mm	寬 X 長 mm	
A1	250x370x150	210x320	1	B1	370x250x150	320x210	1
A2	300x400x165	240x350	1	B2	400x300x165	350x240	1
A3	300x460x170	240x400	1	B3	460x300x170	400x240	1
A4	360x460x185	310x400	1	B4	460x360x185	400x310	1
A5	360x520x190	310x460	1	B5	520x360x190	460x310	1
A6	400x550x220	340x480	1	B6	550x400x220	480x340	1
A7	440x600x220	380x540	1	B7	600x440x220	540x380	1
A8	480x700x230	410x610	1.2	B8	700x480x230	610x410	1.2
A9	550x850x250	470x765	1.5	B9	850x550x250	765x470	1.5
A10	650x1000x280	570x915	1.5			底板厚度 2.0	
A11	750x1150x300	670x1070	1.6				
A12	800x1540x400	720x1440	1.6				
		底板厚度 2.0					
			鐵箱厚度 (mm)				鐵箱厚度 (mm)
	寬 X 高 X 深 mm	寬 X 長 mm			寬 X 高 X 深 mm	寬 X 長 mm	
C1	250x370x150	210x320	1	H1	370x250x150	320x210	1
C2	300x400x165	240x350	1	H2	400x300x165	350x240	1
C3	300x460x170	240x400	1	H3	460x300x170	400x240	1
C4	360x460x185	310x400	1	H4	460x360x185	400x310	1
		底板厚度 2.0				底板厚度 2.0	
BH 開關箱 (明)		(暗)					鐵箱厚度
5P	200x235x95	蓋四邊加 10mm			寬 X 高 X 深 mm	寬 X 長 mm	
7P	250x235x95	蓋四邊加 10mm					
9P	300x235x95	蓋四邊加 10mm					
11P	350x235x95	蓋四邊加 10mm		D1	190X180X120	165X155	0.8
13P	400x235x95	蓋四邊加 10mm		D2	270X210X125	240X180	0.8
15P	450x235x95	蓋四邊加 10mm		D3	210X160X140	180X135	0.8
17P	500x235x95	蓋四邊加 10mm		D4	210X160X105	180X135	0.8
						底板厚度 1.5	

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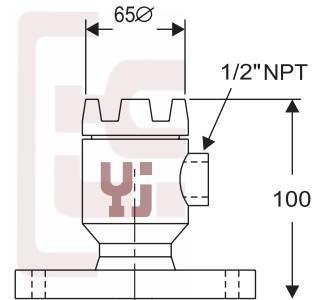
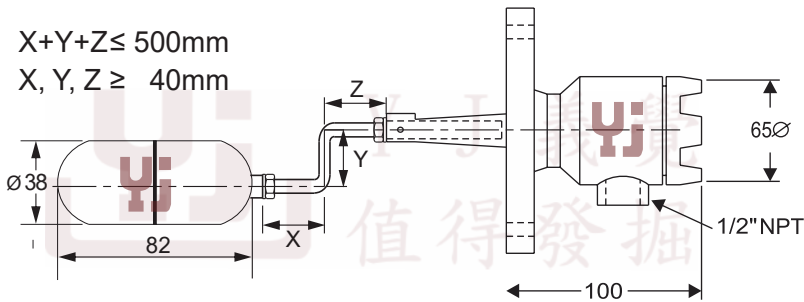


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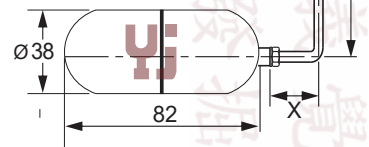
CONFIGURATION DIAGRAMS
標 準 規 格

SIDE MOUNTING FLOAT SWITCH
側 裝 式 浮 球 液 位 開 關

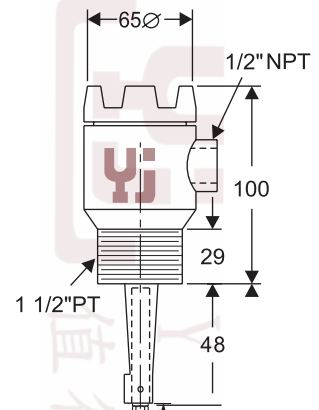
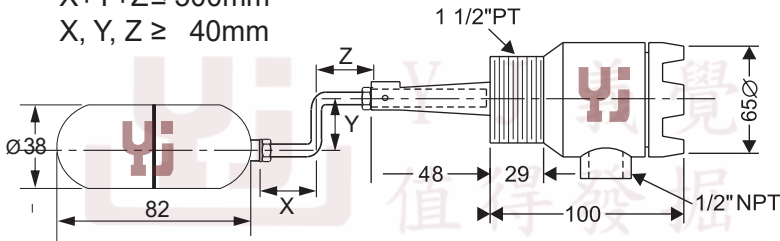
$X+Y+Z \leq 500\text{mm}$
 $X, Y, Z \geq 40\text{mm}$



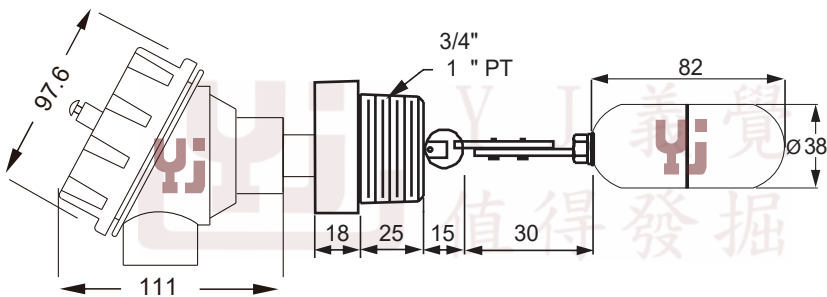
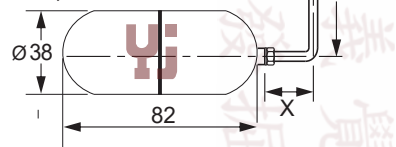
$X+Y \leq 1000\text{mm}$
 $X, Y \geq 40\text{mm}$



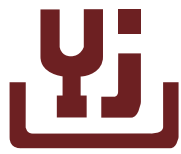
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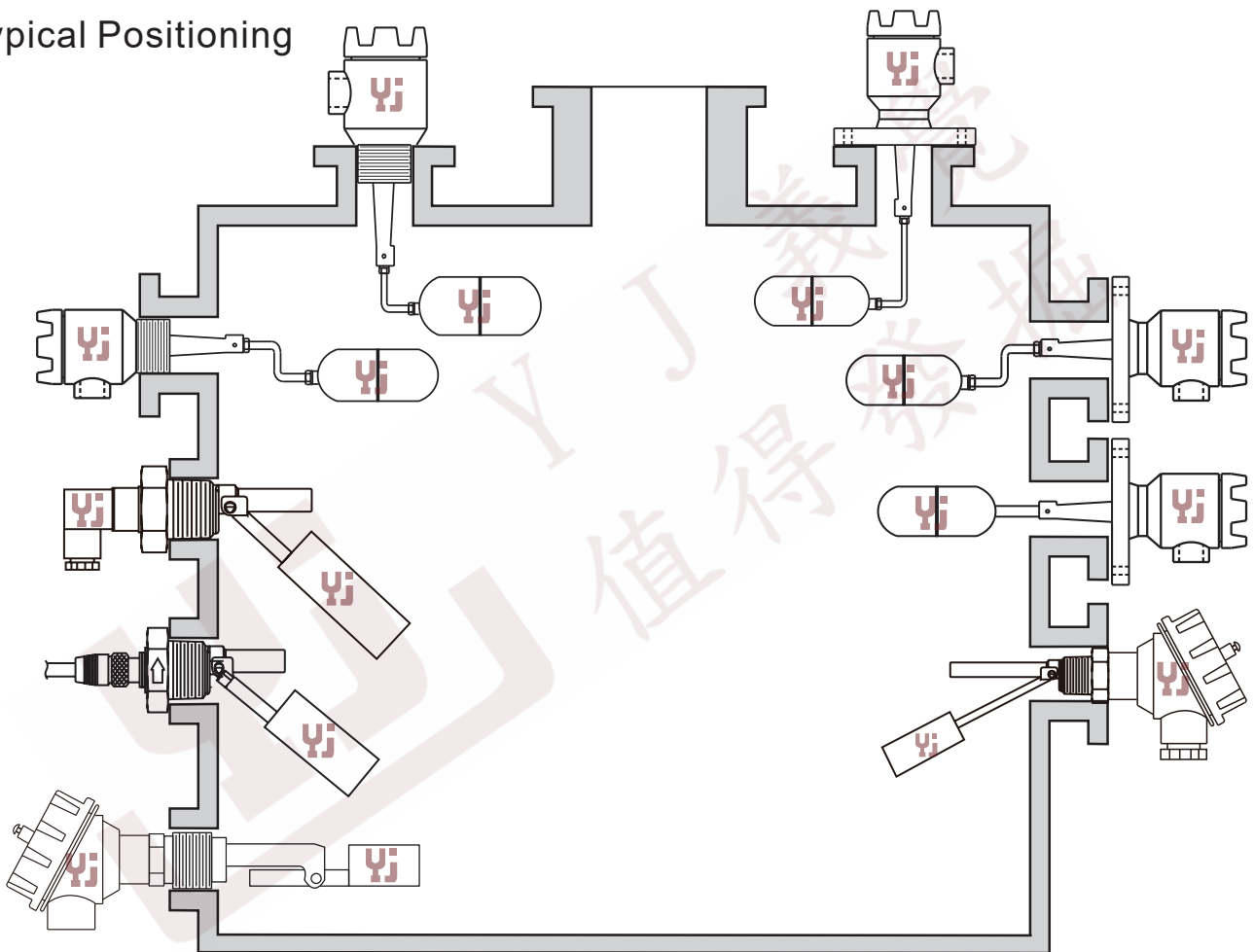
IMPORTANCE FOR INSTALLATION
安裝注意事項

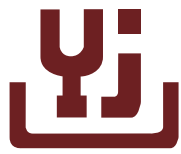
SIDE MOUNTING FLOAT SWITCH
側裝式浮球液位開關

1. 用於酸鹼液中應選用塑膠材質
SUS304/SUS316 materials are not available for corrosive application.
2. 接線盒入線口須朝下
The float and extension rod must be inserted into the bin completely.
3. 浮球及連桿必須全部進入桶槽
The float and extension rod must be inserted into the bin completely.
4. 安裝前應考慮液體比重
Check the liquid's S.G. level before installation.
5. 安裝預留孔內徑必須大於浮球外徑
The mounting hole must be larger than the external diameter of the float.
6. 安裝時不可裝在靠近液體入水或排水口處
Don't mount the devices near the bin's inlet or outlet.

安裝實例

Typical Positioning





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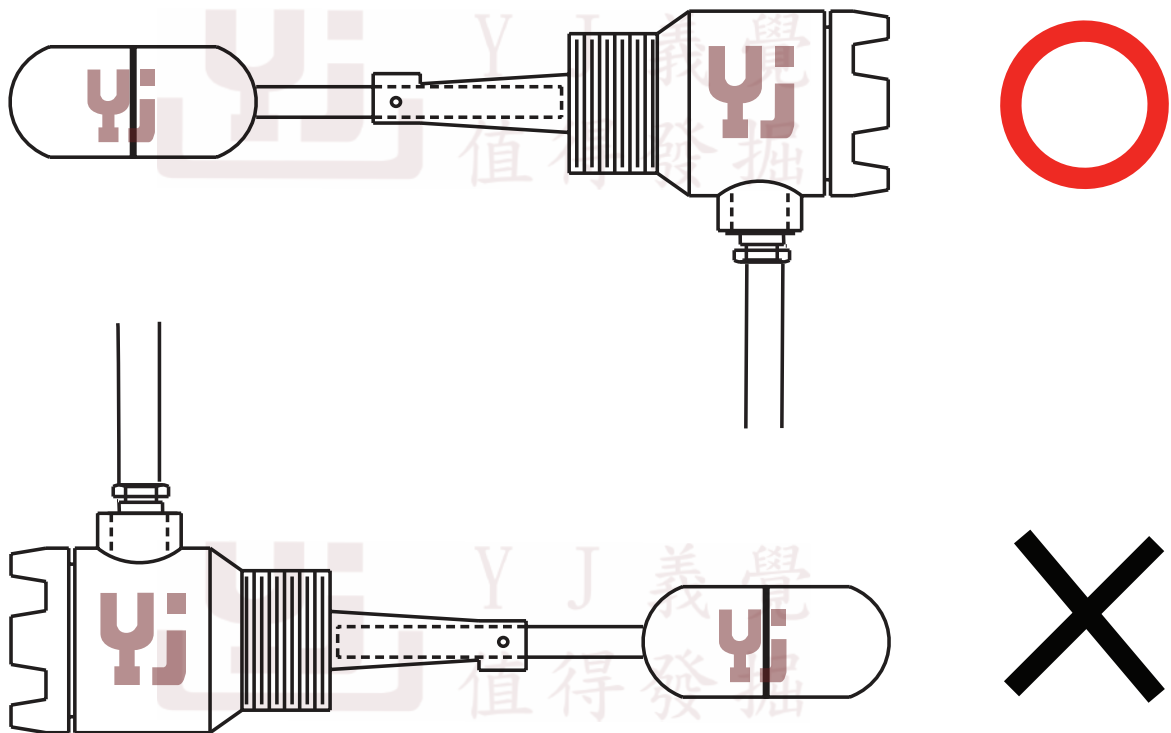
INSTALLATION
安裝說明

SIDE MOUNTING FLOAT SWITCH
側裝式浮球液位開關

Cautions! Please pay attention to the following condition and handing in order to apply level switches correctly.

警告!為了正確使用浮球開關，請注意下列安裝及操作情形。

Safe Installation 正確安裝方式



Prevent moisture trickle along the pipeline and flow into junction box. Result in oxidation of the contacts, causing malfunction.

避免水氣沿著管線滴入接線盒，造成接點氧化，產生故障

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