

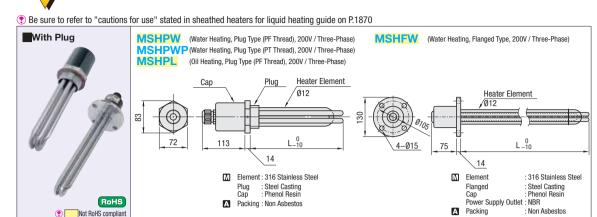
# **Sheathed Heaters for Liquid Heating**

With Plug / With Overheating-Prevention

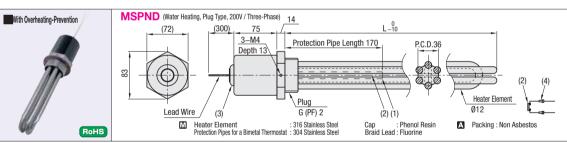


## **Connecting Parts for Heater / Float Switches** -Welding Sockets / Screwed Fitting Flanges-

Reduced Production Time



Part Number		W	٧	Electric Power Density		Plugs	Unit Price			
Туре	No.	(Electric Power)	(Voltage)	(W/cm²)	L	(Thread Size)	<b>MSHPW</b>	<b>MSHPWP</b>	<b>MSHFW</b>	MSHPL
MSHPW	1	1000		3.5	170			'		
IVIONEVV	2	2000		6.0	200	MSHPW G (PF) 2 MSHPWP R (PT) 2				
MSHPWP MSHFW (Only † marked sizes)	†3	3000	200	7.0	230					
	4	4000			300					
	†5	5000			370					
(,	6	6000			430					
The values in ( ) are for	8	8000		8.0	500	] ` ′				
MSHFW10.	†10	10000		8.5 (7.0)	570 (700)					
	1	1000	200	2.5	230	G (PF) 2				
	2	2000			400					
MSHPL	3	3000			580					
	4	4000			760					
	5	5000			890					



Part Num	ber	Bimetal Thermostat	W	V	Electric Power Density			Details of Protection Pipe	
Туре	No.	Temperature (°C)		(Voltage)		L	Unit Price	Heat Shrink Tuhe	
	35	50						Tital offinia ruse	
	37	70	3000	200	7.0	230			and the same of
	39	90							9
	311	110							,
	55	50	5000			370		Detent Plug (1) (2)	
MSPND	57	70						\Plug	
MOLIND	59	90						Part Name	
	511	110						Number Name Number Name	
	105	50	10000		8.5	570		(1) Protection Pipes for a Bimetal Thermostat (3) Power Supply Export (N	IBR)
	107	70						(2) Bimetal Thermostat (4) Insertion Type Connecting Terr	minal
	109	90							
	1011	110							

Features
This heater has both protection pipe and

Part Number



#### Connecting Diagram ( 🛆 )

· Ensure a thermostat is fixed in the protection pipe before using.

When it exceeds rating, use an assistant relay.

This product is developed with an aim to prevent overheating of liquid. The thermostat does not run under

the condition of boil-dry running after liquid is gone, and it may invite unexpected trouble. Utilize system including a float switch to monitor the liquid level for boil-dry protection.

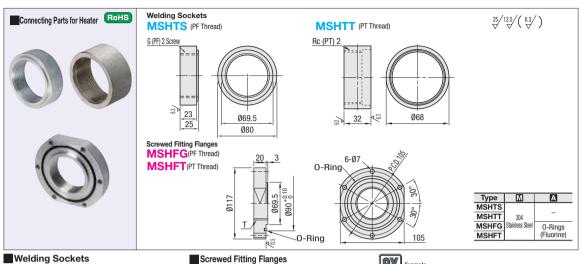
Bimetal thermostat of water temperature plus 20°C or above is recommended

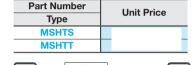


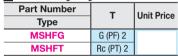
#### Volume Discount Rate

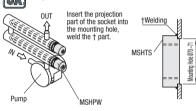
• Oldille	Diocoun	· · · · · ·	
Quantity	1	2~	
Rate	Price List		

Pror larger quantity orders "Days to Ship"





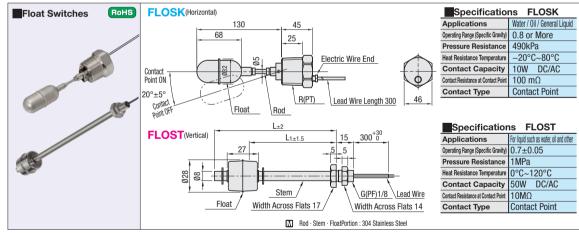








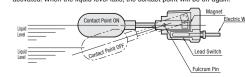
When MSHTT, mounting holes of



i	Part Number Type No.		R (PT)/G (PF)	Lead Wire			Mass (g)	Unit Price	
Ī			K (P1)/G (PF)	Length	_	L <sub>1</sub>		Qty. 1~3	
	FLOSK	80	R1 1/4	200	-	-	500		
•	FLOST	3	G1/8	300	200 300 400	170 270 370	65 85 105		

L1 dimension is the position of the lead switch mounted within the stem. Principle of Operation (FLOST)

The float moves according to changes in the liquid level. When the magnet comes close to the lead switch (high liquid level), the lead switch will be activated. When the liquid level falls, the contact point will be off again.



### Cautions on Attachment (FLOSK)

Install horizontally. Attach it in the angle that the





On when liquid level falls On when liquid level rises (Electronic wire at upper position) (Electronic wire at lower position) Confirm that there is no liquid leakage before use.

Avoid installing in places where the float cannot move smoothly.

When pouring liquid, do nat splash in on the body of this product.

After the wires are connected, observe the liquid level with eyes and confirm the output before actual use.

■Cautions on Attachment (FLOST) Float may not move properly when mounted

·These switches are designed as alarm or signal of water-level for liquids such as water and oil. By combining with a power supply open-close box, it can be used as safety circuit to prevent liquid heaters from idle running.

