

# Techtrol Water Alarm Gadget - TWAG



It is a reliable gadget for detecting ingress of water in oil especially in hydraulic and lubrication systems.

## Salient Features :

1. Reliable physical measuring method.
2. Easy installation
4. Independent of oil chemistry
5. Low pressure gadget also provides visual indication.

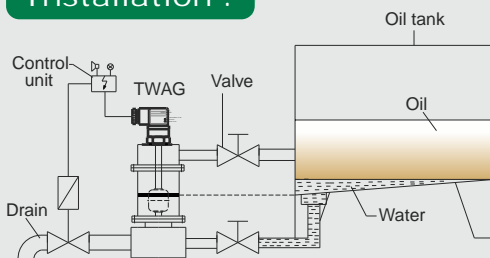
## Construction and Operation :

It consists of a jar fitted between two holding plates with suitable gaskets to achieve 100% leakproofness. Two mounting ports are attached to the top and bottom plate respectively. The top port is provided with an enclosure to house terminal contacts. The jar contains a moving float, which floats in water and sinks in oil. Initially the jar is full of oil, so the float rests at the bottom. When increasing water in the system, enters the jar, it raises the float to actuate the lower (second) contact which can be used as a warning signal, indicating the presence of water. Upper (first) contact can be used to generate alarm. In case of low pressure gadget the float movement can be actually observed along with interface between water & oil.

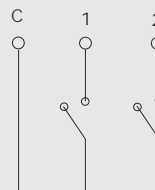
## Specifications :

Medium	:	All oils < 0.85 sp.gr
Models	:	TWAG 3, TWAG 10
Jar MOC	TWAG 03	: Toughened Borosilicate Glass
	TWAG 10	: SS304
Float	:	SS316 x 41 dia
Glass	:	60 dia
Packing	:	PTFE
Tie Rods	:	SS304
Plates	:	SS304
Contact Type	:	Potential free hermetically sealed reed switch, SPST x 2nos
Contact Rating	:	60 VA ( 0.2 A @220VDC)
Upper Port	:	Upper - 3/4"BSP (F)
Lower Port	:	Lower - 1 1/4" BSP (F)
Terminal Enclosure	:	Nylon Plug In Connector
Conduit conn.	:	PG11 (polyamide)
Max. Temperature.	:	80°C
Max. Pressure	:	3 bar (TWAG 3), 10 bar (TWAG 10)

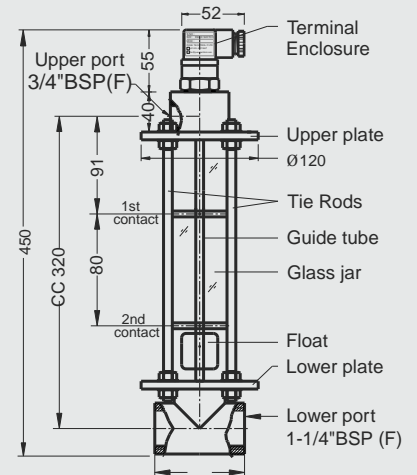
## Installation :



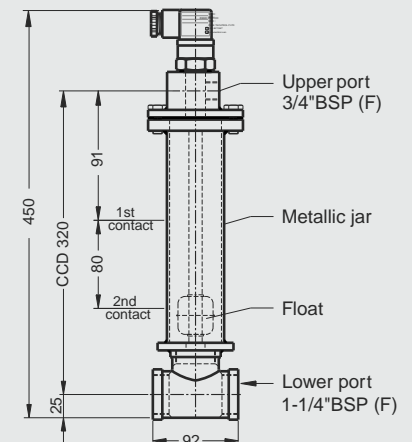
## Termination :



## TWAG 3 :



## TWAG 10 :



Contacts	Contact Initiation
1st (Alarm)	400ml water in jar
2nd (Warning)	200ml water in jar

## Pune Techtrol Pvt Ltd

[CIN : U31909PN1991PTC063403]



S-18, MIDC, Bhosari, Pune - 411026. India

+91-20-66342900 ho@punetechtrol.com www.punetechtrol.com

Works : J-52/7, MIDC, Bhosari, Pune - 411026. India +91-20-67313600

Custom built specs./options available on demand.

We reserve the right to modify design and specifications without prior notice.



R A T E D  
NSIC-CRISIL SE1A

CAT/0106/REV-00/07-15

\*All dimensions in mm except specified

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