


C-TRU PROCESS EQUIPMENTS 53, Satyam Ind. Estate, Subhash Road, Jogeshwari (E), Mumbai 400060 INDIA	LITERATURE	Doc No. : 01-L-002	
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APPLICATIONS OF SIGHT FLOW INDICATORS			

Versatility is the inherent strength of Sight Flow Indicators.

- They can be used in a variety of industries.
- To monitor and verify fluid flow through filter, cooling, intake/outlet pumping lines, as well numerous other industrial processes.
- For troubleshooting or as back up for metres, switches, process indicators and other control devices.

Some examples are as under:

[Prevent Cooling Tank Overflow](#)

Coolant mixture for machine tools periodically overflows, creating spills on the floor. Coolant mixture stored in holding tanks enters through open feed lines. Electric float switches in coolant tanks close solenoid valve automatically when the high level sensor in the holding tanks gets activated. Float switches turn off filling indicator light to alert operator. When over flow occurs filling indicator lights are properly turned off. However, solder and other dust particles at times obstruct the solenoid valve port and as a result of the valve passing the tank continues to receives coolant mixture and overflows

A rotor model sight flow installed after the solenoid valve will provide immediate confirmation whether the solenoid valve is fully closed or not and is ideal for verification

[Monitoring Process & Purge](#)

In a large chemical plant a variety of chemicals at various stages use the pipe line After the use of each chemical reverse flush is employed to purge the line Sight Flow Indication is needed to monitor back flush and be compatible with different chemicals.




The bi-directional flapper indicators will be best suited for the above application.

[Power Plants](#)

New Power Plants: Sight flow Indicators monitor the flow of critical fluids such as lubricants pumped to turbines in hydro electric generators and water in cooling lines.

Older Power Plants: Newer Sight flow versions replace the aging obsolete models.

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C-TRU PRODUCT RANGE		
“LEVELTROL” Liquid Level Gauges	“ARSEN” Sight Flow Indicators	“FLOCLEAN” Strainers
“LEVELTROL” Liquid Level Switches	“ARSEN” Flush Bottom Valves	Toughened Borosilicate Glasses
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Waste Water Treatment

“ARSEN” Sight flow Indicators visually monitor the most common installation location being second stage aeration pumping lines. The sight flow visually confirms sludge removal for better aeration efficiency. .

Petroleum Industry

Sight flow Indicators visually monitor drilling pump operations.

Chemical Industry

Paint & Varnish Processing Plants: Sight flow Indicators are used to notify the operators when filters become clogged. A drop in flow rate or discoloration of blended resins that pass through the press are indications that new filters are needed.

Distilling Operations: Sight flow indicators used to gauge colour and clarity of fluids. An amber fluid colour indicates proper distillation; a brown to black colour signals the process has been interrupted. and requires corrected action.

Refineries: Sight flow indicators used to monitor the draining of water from storage tanks. The visual presence of oil in the indicator is a clear indication that the water is completely drained.

Manufacturing

- Draining of hydraulic Oil from Nitrogen charged accumulators in die casting machine manufacturing facilities.
- Proper coolant flow which is so vital to the operating of welding machines.
- Efficient filtration of process fluid

OEM Markets

- Compressor manufacturers install sight flows on their products so that end users can monitor the flow of water to compressor heads while in operation.
- Degreasing and de-fluxing equipment manufacturers use sight flows to monitor recirculating solvent in cleaning operations and, thus, determine efficiency of the distillation / recovery process.
- Evaporation and filtration system manufacturers use them to monitor colour and clarity of fluids in outlet lines and proper intake of fluids in intake lines.

PetrolPumps

A spinner / rotor tubular sight glass installed on the hose monitors vehicle refuelling at petrol pumps around the world

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