V25 SERIES VISUAL INDICATORS

FOR FLOW AND LEVEL MONITORING

MODEL V25F-SS

FEATURES

- NON-ELECTRIC OPERATION
- FLOW AND LEVEL MODELS AVAILABLE
- BRIGHT RED AND GREEN INDICATION
- CORROSION RESISTANT CONSTRUCTION
- SHATTER PROOF SUPER TOUGH WINDOW
- SUITABLE FOR AIR AND GAS APPLICATIONS
- NON-METAL POLYPROPYLENE MODELS
- STAINLESS STEEL MODELS AVAILABLE
- 1” BSP OR 1”NPT PROCESS CONNECTION
- DIESELINE MODELS AVAILABLE
- USE IN COLOURED LIQUIDS
- CAN BE USED IN SEAWATER
- FULLY WEATHERPROOF

V25F FLOW INDICATOR

For flow applications the V25 visual indicator is supplied with a flow-sensing paddle suitable for use in pipes both large and small. Designated V25F, the visual flow indicator is a self-powered magnetically operated insertion indicator that can be used in pipes ranging from 25mm (1”) upward. The indicator simply screws into a standard pipe tee or socket and provides a clear bright red or green face as an indication of flow or lack of flow.

The V25F flow indicator is available with a normally red face that changes to green when flow is detected. Normally red is the standard configuration and is supplied as the default model unless otherwise specified. The indicator is also available with a normally green face that changes to red when flow is detected. The reversed colour models can be used to indicate danger when flow is present.

Visual flow indicators generally have heavy glass or plastic pressure windows that allow an operator to view the process liquid. The V25F uses a unique coloured flag to indicate flow or lack of flow. The flag operates magnetically in a sealed see through chamber. There are no pressure windows to fail in the V25F flow indicator. The V25F can be used in coloured or turbid liquids. It can also be used in air and gases and in liquids containing solids. When fitted with a suitable trailing wire sensor it can even be used in effluent and sewage applications.

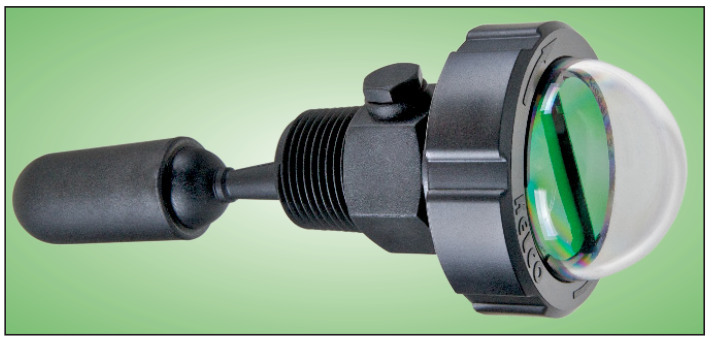
FLOW DIRECTION

The V25F flow indicator can be mounted in pipe running either vertically or horizontally. Please note however, the indicator is not suitable for use in vertically running pipe where flow is moving in a downward direction.

SENSITIVITY

The flow required to actuate the V25F flow indicator will depend on several variables. These include orientation of the indicator, liquid viscosity and the exact area of paddle face exposed to the flow. Generally, the paddle should extend to the centre line of the pipe, or a little past the centre. For high flows the paddle should be cut shorter and for low flows it should be left longer. If the flow rate is known, a reasonably accurate estimate of the correct paddle length can be obtained online by using our flow calculator at: - www.kelco.com.au

MODEL V25L



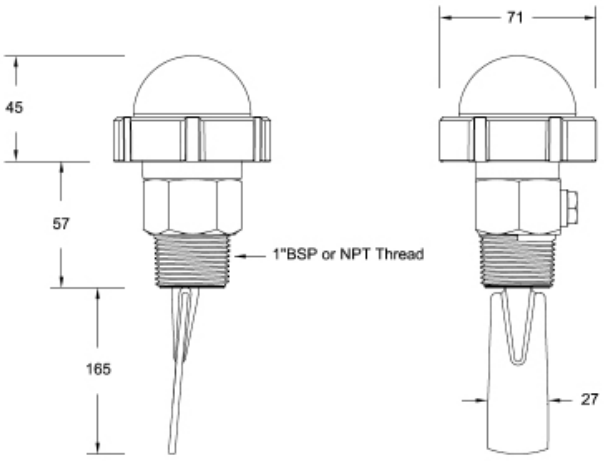
The V25 is a non-electrical insertion style inferential visual indicator that can be used to monitor flow in pipe systems or liquid level in tanks and vessels.

V25L TANK LEVEL INDICATOR

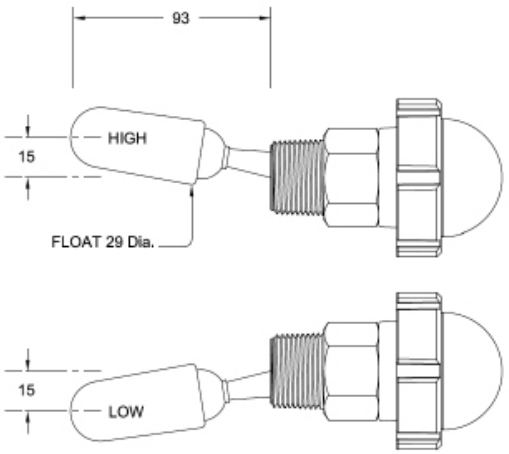
For tank level monitoring, the V25 visual indicator is supplied with a float and arm suitable for installing through the sidewall of a tank. Designated V25L the float level indicator is ideal for non-electrical level indication in water, chemical and diesel fuel tanks. The V25L is available with a normally green or a normally red face. The indicator must be ordered with the correct coloured face for the intended application. As an example, for a low level indicator the V25L would be ordered as NR, (Normally Red). When the level is above the indicator the face of the NR indicator will be green indicating all is OK. It will change to red indicating low level if the level drops below the indicator. For a high-level indicator application the V25L should be ordered as NG (Normally Green). The face of this indicator is green when the level is below the indicator. It turns red if the level rises above the indicator to warn the tank is full and about to overflow

TECHNICAL INFORMATION

DIMENSIONS



V25F FLOW INDICATOR



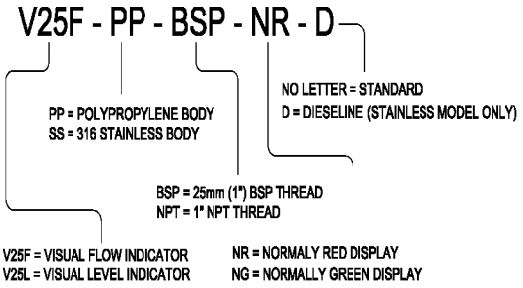
V25L LEVEL INDICATOR

OPERATING LIMITATIONS

Model	V25F-PP	V25F-SS	All V25L Models
Maximum operating pressure (Static or Dynamic at ambient temperature	10 Bars (150 PSI)	200 Bars (2880 PSI)	200 Kpa (30 PSI) 20 meters submergence
Minimum burst pressure at ambient temperature	40 Bars (600 PSI)	500 Bars (7200 PSI)	350 Kpa (50 PSI) 35 meters submergence
Maximum operating temperature	60ºC See note below	70ºC	60ºC See note below
Minimum operating temperature	0ºC	0ºC	0ºC
Minimum liquid S.G.	0.8	0.8	0.8
Ingress protection rating	IP68	IP68	IP68

PLEASE NOTE: ***Maximum operating pressure for the all Polypropylene V25 flow indicators must be linearly de-rated as operating temperature is increased. At a process liquid or gas temperature of 60ºC the maximum permissible operating pressure for the all Polypropylene indicators must not exceed one Bar (14.7psi) absolute.***

ORDER CODE



GENERAL INFORMATION

SPARE PARTS
Spare paddles and float arms are available from the manufacturer to suit all V25 indicators.

HAZARDOUS APPLICATIONS
The V25 visual indicators are non-electric and can be used in hazardous Ex applications. They contain no materials or components capable of generating or retaining an electric charge.

WARRANTY
The Kelco V25 indicators are protected by a 12 month return to base warranty. Full details of our warranty can be downloaded from:
http://www.kelco.com.au/menu/information/warranty-statement/

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