

These level instruments are mainly classified into level gauges, level switches and level transmitters. These 'Techtrol' level instruments are specifically designed for this particular application, and hence increase the efficiency and reliability of the process.

The application of each of these level instruments for waste water management is explored further:

### Using Level Gauges for Waste Water Management

**Pune Techtrol's wide range of level gauges useful for in the application of waste water management are as follows:**

- Tubular Level Gauge (TTG) and Reflex Flat Glass Gauge (RFG) are glass gauges used to indicate liquid levels of chemical tanks and other storage/process tanks.
- Magnetic Level Gauge (MLG) is used to indicate levels of storage tanks of acid and alkali. It can also be improvised with alarm switches and transmitter for remote indication and control.
- Float and Dial Gauge (FDG) is useful for indication of liquid level in underground tanks. It is particularly suitable for applications involving limited head-space above the tank. It can also be improvised with alarm switches and transmitter for remote indication and control.
- Float & Board Gauge (FBG) is the simplest but very reliable instrument used for indication of liquid level in large storage tanks of effluent/treated water. It can also be improvised with alarm switches.

### Using Level Switches for Waste Water Management

**Pune Techtrol's wide range of level switches useful for in the application of waste water management are as follows:**

- Float Guided Switch (FGS) is single or multipoint level switch used for in clarifier and aeration tank. These switching

**All waste water treatment processes require level monitoring and control. Level instruments are installed in almost all parts of water treatment and effluent treatment plants. The level measurement and control instruments manufactured and supplied by Pune Techtrol Pvt. Ltd. are widely used in the processes of waste water treatment.**

contacts can be used for alarm indication or pump control.

- Displacer Switch (DS) is more suited for application in clear effluent and potable water. Switching points rated for 5A, 250VAC and can be adjusted at site as required.
- Cable Suspended Switch (FTS) is a simplest type switch and easy to install. These switching contacts are rated for 5A, 250VAC and can be used for alarm indication or pump control and are ideally suitable for application in settling tanks.
- Conductivity Type Switch (CNS) is used only for conductive liquids. It can be used for treated & potable water. More suitable in applications where the depth of tank is large.
- Float Pivoted Switch (FPS) is side mounted, single point switch rated for 5A, 250VAC. It is suitable for over ground tanks.
- Miniature Float Switch (MFPS/MFGS) is used for level detection in small/medium tanks.

### Using Level Gauges for Waste Water Management

**Pune Techtrol's level transmitter useful for in the application of waste water management is as follows:**

- The Techtrol Ultrasonic Transmitter

(TUS) is a non-contact type level transmitter, generally used for measurement of flow in open channel or level monitoring in tanks. It is compact, non-contact, and easy to install, integral type transmitter for continuous level measurement of non-corrosive liquids and slurries. It is programmable through Keys. Owing to its aforementioned characteristics, it proves highly useful in waste water management plants. It is used for various processes in storage tanks, filter beds, flotation cells, water/waste water/effluent treatment (WTP, ETP), etc.

Since its inception, Pune Techtrol Pvt Ltd has time and again innovated and added on to the list of level measurement and control instruments which can be used for applications like waste water management. It takes pride in being not only a company of products, but a company of value too!

For further information on level measurement and control instruments, visit [www.punetechtrol.com](http://www.punetechtrol.com)

### About Pune Techtrol

Pune Techtrol Pvt Ltd, an ISO 9001 2008 company, has evolved from a six employee enterprise, in 1984 to become a premier Indian company recognised for quality level measurement and process automation systems for liquids and solids.

'Techtrol' is recognised as most reliable and trusted brand, delivering quality products unsurpassed in terms of accuracy, workmanship, performance, safety and ease of installation, providing long uninterrupted service in wide and varied industrial applications. The products are designed and engineered for optimal performance and with practical experience gained over last several years has equipped us, to meet the most demanding user requirements.