

## PUMP GUARD JACKET

V-wire screens are fabricated in pipe form from wires. A V-shaped profile wire is spirally wound around a cage of longitudinal support rods. Each intersecting point of these wires is fusion welded. The pitch of winding gives different spacing between two adjacent turns of wire. This space becomes passage for water to enter.

The entire manufacturing process is done in fully computer controlled special machines. One ends of screen is closed by a flat screen of same slot opening and other end is fitted with a threaded ring and end cap for resting on the pump. The submersible pump with motor is to be fitted inside this jacket. Thus it ensures that water reaching pump with a threaded ring and end cap for resting on the pump. The submersible pump with motor is to be fitted inside this jacket. Thus it ensures that water reaching the pump is filtered through screen and clear water column is available to pump. This reduces wear of pump impellers due to sand in an existing tubewell.



### Salient Feature

- **Continuous Slots:** The special design gives continuous slot opening across the periphery and length of screen
- **Non Clogging Slots:** V-shape wire which gives inwardly widening V-shape slots. This shape does not give space for any sand particle to get stuck inside the slot and hence these screens are **NON CLOGGING**
- **Very Large % Open Area:** This design gives continuous slot and hence the % open area for water to enter is very large. This ensures minimum additional suction load on pump
- **Better Sand Filtration:** Due to specialised manufacturing process, wide range of slot opening is available down to 0.15 mm to allow proper slot selection depending upon the size of sand in particular area. This gives better sand control and reduced pump maintenance and longer tube-well life

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CIN NO: U15543DL2004PTC128953