

## Muni Bharti Prepacked

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. Both the ends of screen are fitted with suitable end coupling rings for easy joining with other plain pipes of tube well assembly by welding or threading. The size and nos. of wires are designed to give sufficient collapse and tensile strength for different depths of tube wells



- 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. Hence, the efficiency of tube well is not reduced over no. of years due to clogging
- Very large % Open Area: This design gives continuous slot and hence the % open area for water to enter is more than 2 times that of conventional slotted pipes of same size and slot opening. This allows more water to enter at much lesser frictional head loss and the efficiency of tube well is improved appreciably

- **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
- **Energy Saving:** Due to reduced frictional head losses and increased discharge, the pump load reduces which reduces the power required to pump same quantity of water. Power saving of around 20-25% is observed
- **Cavitates the water,** imploding bubbles damage the cryptosporidium oocysts and renders them susceptible to oxidation

| <b>BENEFITS</b>  |   |
|--|---|
| <p style="text-align: center;"><b>SMALLER BOREHOLE</b></p> <ul style="list-style-type: none"> <li>• Lower hit &amp; cement costs</li> <li>• Reduced drilling time, Fewer cuttings</li> <li>• Reduced circulation volume</li> <li>• Increased up hole velocity</li> </ul> | <p style="text-align: center;"><b>THINNER FILTER PACK</b></p> <ul style="list-style-type: none"> <li>• Less resistance to development means better formation penetration</li> <li>• Easier to maintain and rehab the "Near-well" area over time</li> </ul>  |
| <p style="text-align: center;"><b>NO GRAVEL PLACEMENT</b></p> <ul style="list-style-type: none"> <li>• No bridging of filter packs</li> <li>• No packing time</li> <li>• Less equipment needed</li> </ul>  | <p style="text-align: center;"><b>MAXIMUM OPEN AREA</b></p> <ul style="list-style-type: none"> <li>• Optimizes development and re-development techniques</li> </ul>   |
| <p style="text-align: center;"><b>INCREASED STRENGTH</b></p> <ul style="list-style-type: none"> <li>• Stronger than Screen</li> <li>• More aggressive development</li> <li>• More forgiving to unexpected hole problems</li> </ul>                                       | <p style="text-align: center;"><b>EXCELLENT ROUNDNESS &amp; SPHERICITY</b></p> <ul style="list-style-type: none"> <li>• Increased hydraulic conductivity &amp; efficiency</li> <li>• Better flow characteristics compared to silica sand</li> <li>• Hinders the build-up of bio film &amp; encrustation</li> <li>• Smooth beads are more easily cleaned than irregular shaped silica sand grains</li> </ul> |

| <b>TECHNICAL SPECIFICATION WELL SCREEN IS: 8110-2000</b>         |   |
|--|---|
| NB   | 1.5", 2", 3", 4", 6", 8", 10", 12", 14"   |
| Slot (mm)  | 0.15, 0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 3.00  |
| Lengths  | 6 Mts. & 3Mts. or as required   |
| Grades   | Different grades suitable for tube well depths up to 300ft., 600ft., 900ft. and 1500ft. |
| Material   | Low carbon Galvanized Steel (LCG) or stainless steel (SS-304)                           |
| End Connection   | Plain beveled ends for butt welding or threaded.  |
| <b>*Technical specification can change without prior notice.</b> |   |

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