



Field Instructions

“WireHog”™ Casing Brushes

Poly brushes, 1.25” to 10” diameter for PVC casing
Steel brushes, 1.25” to 8” diameter for steel casing

Usage in Iron bacteria/slime bacteria Applications

As much as 95% of bacterial debris may be on the inside of the well casing or screen. Biological debris may concentrate, 1. from the static level to the pumping level because of aeration, 2. at the intake area of the pump because of high velocity, 3. within the screen area or open borehole in high velocity areas. Wire brush the entire casing or screen that is below the static water level, 4 to 5 times from static to bottom. Remove all debris prior to treatment. Removing debris allows chemistry to more easily move into the formation, will require less chemistry, and reduce time on site. Using the “Unicid” Granular and Catalyst treatment and monitoring pH will remove these bacteria permanently. See our brochure, “Cleaning Wells & Pipelines” available on our web site.

Usage for Mineral Deposits

Plugging in wells due to mineral precipitate is generally found in the screen or open borehole where there is velocity conditions. Concentrate brushing in the screen or open bore hole. Remove all debris prior to chemical treatment. Use “Unicid” Granular only in screen or bore hole. See our brochure, “Cleaning Wells & Pipelines”.

Usage in Chlorination Applications

Coliform or fecal coliform bacteria can hide under physical debris. In new wells, that can include drilling fluids. In older wells, minerals scale may form over time or bacterial debris (slime or iron bacteria) may occur within a few weeks after drilling. We recommend to wire brush the entire casing and screen 4 to 5 times prior to chlorination. Control pH with ChloroPal to make chlorine 200 times more effective. If debris is found during brushing, see our brochure, “Cleaning Wells & Pipelines” for a more effective treatment than chlorine.

Field Usage in Wells

1.25” & 2” diameter brushes have 3/8” male, NPT threads. Adapt to standard pipe for brushing.
3 to 10” diameter brushes have an 1.25” female, NPT thread with 3 air ports in the female fitting for airlifting.

Use poly brushes in PVC casing, PVC screens, and rod based metal screens. Poly brushes can be used in metal casing but the bristles will wear with extended usage.

Use steel brushes in steel casing and metal screens only. DO NOT use our steel brushes in PVC pipe as will cut into the PVC.

- Connect brush to a standard 1.25” pipe for weight, set into the well, and use for vertical brushing while adding lengths of pipe into the well. Use maybe 10’ or 20’ strokes, 4-5 times in each interval to the bottom of well.
- DO NOT ROTATE BRUSH during usage. If required, rotate clock-wise. If the brush is tight in casing during brushing, try airlifting simultaneously to the brushing action.
- After brushing to the bottom of well, attach an air compressor and air lift all debris from the bottom of the well. If airlifting is not possible, set a pump to the very bottom of well for removal of all debris. A simple bailer removing debris will work as well. Airlift, pump, or bail until water is somewhat clean.

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