RemBind® Well Socks
Installation Instructions

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The RemBind® Well Socks are designed for *in-situ* treatment of contaminated groundwater with Per- and Polyfluoroalkyl Substances (PFAS). This document provides instructions for the safe preparation, handling, installation, retrieval, and disposal of RemBind® Well Socks. It is intended for clients, consultants and contractors implementing RemBind® in wells impacted by PFAS and outlines the scope of work to ensure effective PFAS removal while maintaining safety and operational efficiency.

RemBind® Well Socks Contents

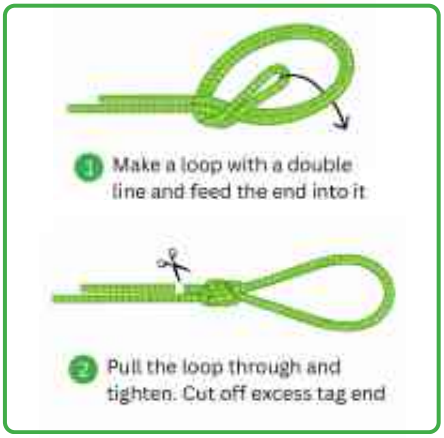
- 20 x 2” or 9 x 4” Well Socks with carabiner hooks (for connecting Well Socks into a chain)
- 1 x priming bucket
- 1 x well plug
- 1 x 20-metre rope
- 1 x rope cutter
- 2 x P2 dust masks
- 2 pairs of gloves (powderless nitrile gloves)
- 1 x general waste disposal bag
- 1 x used sock disposal bag

Precautions

- Always wear gloves and P2 masks when handling RemBind® Well Socks
- Avoid inhalation or direct skin contact with RemBind® material
- Treat all wastewater or water removed from wells as potentially contaminated with PFAS or other chemicals
- Follow all local environmental regulations for handling, use, and disposal
- Health and safety requirements are the responsibility of the contractor

Preparing The RemBind® Well Socks

1. Determine the total depth of the well to the nearest metre - this equals the number of RemBind® Well Socks required.
2. Measure the distance from the well head to the groundwater level - this is the length of free rope required below the Well Plug.
3. Collect the required number of RemBind® Well Socks, fold each in half, and place in the Priming Bucket.
4. Fill the bucket with water to prime the RemBind® Well Socks. It is normal for the water to turn dark grey/black on first flush.
5. Use the provided Carabiner Hooks to connect the primed RemBind® Well Socks into a single chain of the required length.
6. Attach one end of the RemBind® Well Sock chain to the Well Plug and rope, which will secure the RemBind® Well Sock to the well head.
7. Measure and cut the length of rope to match the distance between the well head and groundwater level. The priming bucket includes a measuring guide and can be used to unwind the required rope length. Avoid excess slack when measuring the rope length as this may lower the RemBind® Well Socks below the target zone and make retrieval difficult.
8. Tie a loop knot (see below) at each end of the rope length. Secure one end to the well plug snap hook. Secure the other end to the sock chain using the snap hook already attached to the sock.
9. The RemBind® Well Sock is now ready for installation.



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Installing The RemBind® Well Socks

1. Access the well head and ensure any sampling lines are uncoiled. Avoid knots or kinks as these may catch on the RemBind® Well Socks.
2. Ensure the well head is clear of debris.
3. Carefully feed the chain of primed RemBind® Well Socks into the well. Keep the RemBind® Well Socks vertical and supported while lowering.
4. Once the full chain is in the well, feed the slack rope until tight.
5. Place the RemBind® Well Plug over the well and push down firmly to secure.
6. The RemBind® Well Socks are now installed.

Changing The RemBind® Well Socks

1. The treatment duration and frequency will vary for each well and should be determined by a qualified environmental professional.
2. To remove RemBind® Well Socks, detach the Well Plug and pull up the rope carefully, supporting the RemBind® Well Socks vertically for smooth retrieval.
3. **Disposal**: Used RemBind® Well Socks may contain PFAS. The labelled waste disposal bag provided with the installation kit can be used to contain the expended sock chain after removal from the well. Consider storing in sealed containers and arranging disposal via an approved waste contractor. Always follow local regulations for disposal of PFAS-contaminated material, and consult with the relevant site manager or consultant before disposal.

Troubleshooting

- **RemBind® Well Socks catching on sampling lines:** Ensure all lines are fully uncoiled and the well head is clear
- **Rope too long or slack:** Adjust rope length so RemBind® Well Socks remain in the target water zone
- **Difficulty priming RemBind® Well Socks:** Ensure sufficient water in the bucket and allow RemBind® Well Socks to soak until fully primed

Warnings

- RemBind® Well Socks contain materials designed to bind and remove PFAS
- Avoid ingestion, inhalation, or direct skin contact
- Always wear personal protective equipment (PPE) when handling or installing RemBind® Well Socks
- Treat all removed water or material as potentially contaminated with PFAS or other environmental contaminants

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