

Sparge Well Materials



Well Head Connection

Well Head Connections (WHC) are made from the highest quality materials available to maximize success of in-situ remediation treatments. The WHC features a Kynar® compression fitting, and a type 316 stainless steel inlet tee in a sealed Schedule 80 PVC body. A ¼" FPT access port is included to accommodate a pressure gauge for accurate pressure readings where they count the most. Well Head Connections are available for ½" or 1" H2O Engineering riser pipe sections. Any existing on-site 2" or 4" monitoring well casing can be easily modified using our 2" or 4" WHC fitting to accommodate our ozone sparge technology.

Riser Pipe

Riser Pipe (RP) is an integral component of our complete In-Situ Oxidation Point (IOP) system. Each Riser Pipe section is sealed with an ozone-resistant Viton® o-ring to insure no leaks occur while under pressure. Schedule 80 PVC is used for the durability and ozone resistance required for harsh field conditions that often exist for in-situ remediation. Each 10-foot section is available in 1" ID.

In-Situ Oxidation Points

Our In-Situ Oxidation Points (IOP) were designed by our engineering staff exclusively for use with our ozone sparge units. Each has a stainless steel body with 3/8" x 1-1/2" outlets and 50 mesh internal stainless steel screen. Made from ozone-resistant Stainless Steel, they are rigid by design and include a Viton® o-ring seal. These oxidation points provide maximum ozone transfer to the contaminated water table and soil. Efficient mass transfer means remediation takes place quickly and completely.

STANDARD FEATURES

Ozone Delivery Tubing: PFA type Teflon®, 1/2" OD x 3/8" ID, up to 1000 Ft. continuous roll

Well Head Connections (WHC):

WHC10 – Well Head Connection for 1" Pipe and 1/2" OD Compression Fitting for Tubing

WHC20 – Well Head Connection for 2" Pipe and 1/2" OD Compression Fitting for Tubing

WHC40 – Well Head Connection for 4" Pipe and 1/2" OD Compression Fitting for Tubing

Riser Pipe (RP):

RP100 – 1.0" ID, 10-foot Section, Schedule 80 with Viton® O-Ring, and 1.0" x 8-TPI ASTM F-480

RP100-5 – 1.0" ID, 5-foot Section, Schedule 80 with Viton® O-Ring, and 1.0" x 8-TPI ASTM F-480

In-Situ Oxidation Points (IOP):

IOP100-12-P – 1" OD x 12"L, Viton® O-Ring, and 1.0" x 8-TPI ASTM F-480 Male Flush Thread

NOTE: Retrofit materials for monitoring wells are available.

