

GeoPump

Ground Water Pumping Solutions

COLD WEATHER BLOW-OUTS

GeoPump Cold Weather Blow-Outs prevent the water discharge tubing of dedicated bladder pumps from freezing. Cold Weather Blow-Out assemblies include all tubing and necessary fittings.

MODEL	DESCRIPTION
50150	POLYPROPYLENE COUPLER FOR 5/8" O.D. DISCHARGE TUBE
50152	POLYPROPYLENE COUPLER FOR 1/2" O.D. DISCHARGE TUBE
50154	POLYPROPYLENE COUPLER FOR 3/8" O.D. DISCHARGE TUBE
AIR TUBE IS POLYETHYLENE AND AIR FITTING ON WELL CLOSURE IS BRASS.	

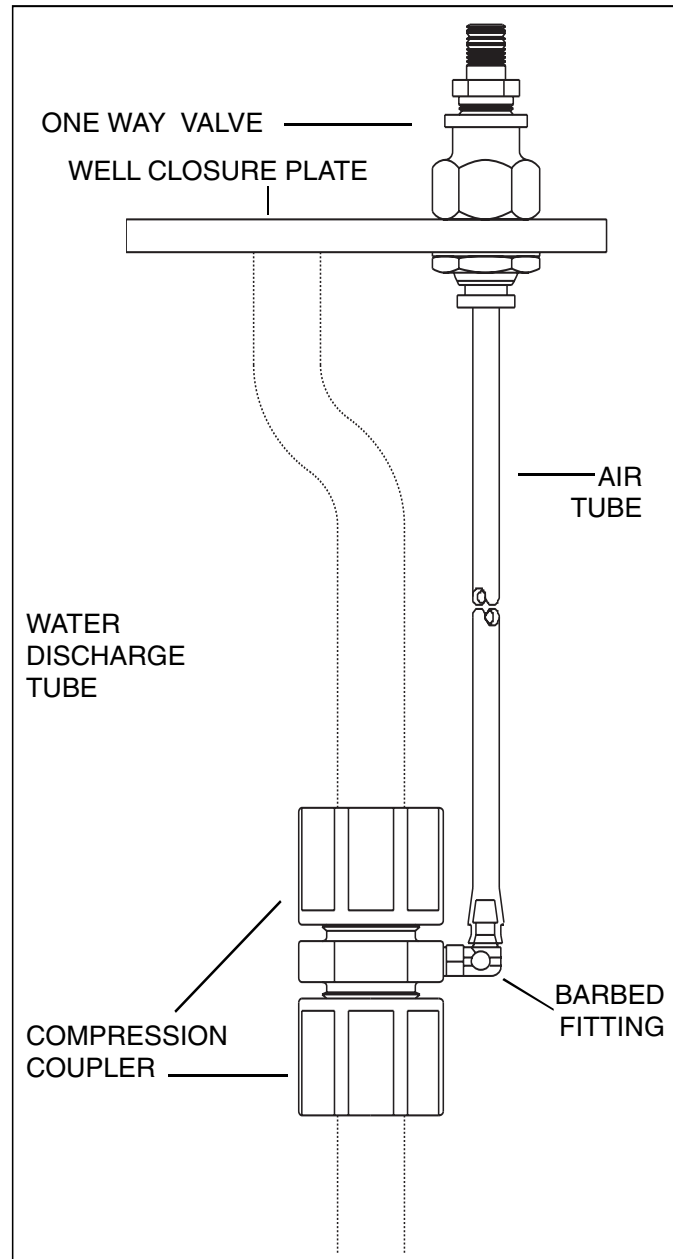
Cold Weather Blow-Outs for Dedicated Bladder Pumps

With cold weather comes the potential for freezing of the discharge tubes of dedicated bladder pumps. The portion of the tube subject to freezing is the length between the frost zone and top of the well riser.

GeoPump's Cold Weather Blow-Out offers a solution. The Blow-Out consists of a compression coupler that splices into the discharge tube ten feet below the top of the casing. A small right angle barbed fitting is installed in the side of the coupler. A small diameter tube is attached to the barbed fitting and extends to the well closure where it terminates at a one-way valve.

During pump operation, the one-way valve remains closed, allowing water to discharge normally. At the conclusion of sample collection, the compressed air source is connected to the one-way valve, delivering a short burst of air, which blows the standing water from the water discharge tube.

Cold Weather Blow-Outs are recommended in areas where temperatures drop below 25° F. They are not necessary for auxiliary purge pumps or Two-Stage Pumps as these can be blown out with the normal drive air lines.



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