



FEATURES of SNAPPY® AND BULLDOG® PITLESS ADAPTERS

To install a Snappy or Bulldog pitless adapter, you must first excavate, per OSHA regulations, around the well casing and cut a hole in the casing below the frost-line. The Snappy or Bulldog casing fitting is then attached to the casing around the hole to provide a sanitary water service connection. The submersible pump and drop pipe are suspended from the Snappy or Bulldog drop pipe fitting. As the pump, drop pipe, and drop fitting are lowered into the well the drop fitting discharge is pointed toward the hole in the casing. When the drop fitting discharge reaches the open hole in the casing, the drop fitting actuator forces the discharge port into the inner machined surface of the casing fitting and locks it in place. Once the discharge port is properly seated within the machined surface of the casing fitting, and the actuator is fully engaged, the submersible pump and drop pipe are fully supported and secured. To remove the submersible pump, the drop fitting must first be supported by a pump hoist. This is accomplished by threading a pull pipe into the threaded pull pipe port located on the top side of the drop fitting and properly supporting the pull pipe with a pump hoist. Mark the pull pipe and top of well casing toward the direction of the water service connection. This will help locate the casing fitting during replacement. The Snappy or Bulldog drop fitting can then be disengaged from the casing fitting by pulling up on the stainless steel release cable. The motion of pulling up on the release cable will remove the drop fitting discharge port from within the casing fitting machine surface. Once the drop fitting is disengaged, the drop fitting, drop pipe, and submersible pump can be removed from the well.

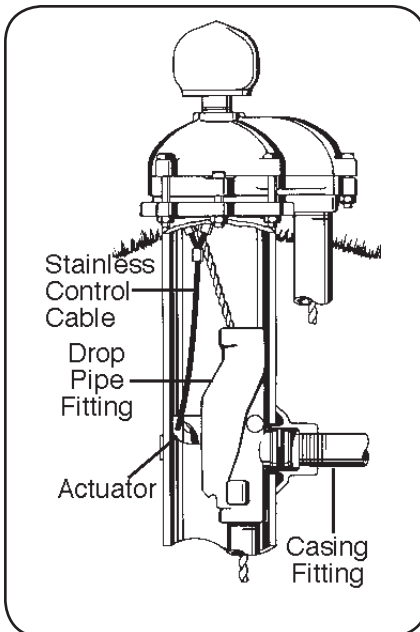
The Snappy is manufactured from lead-free galvanized cast iron and the Bulldog from brass. Snappy and Bulldog pitless adapters are certified under the standards of the Pitless Adapter Division of the Water Systems Council (PAS-I). Snappy pitless adapters are available for well sizes from 4 to 6-1/4 inches I.D. Bulldog pitless adapters are available for well sizes 4", 5" and 6" I.D. Both are for drop and discharge pipe sizes of 1 and 1-1/4 inches. **Conforms to Water System Council PAS-97(04) Standards.**

ECONOMICAL . . . Regular well casing is used all the way. Extra cost of larger upper well casing used with spool-type units and expensive pit or well house construction are eliminated.

FROSTPROOF . . . No heating required. All water passages are buried below the frostline.

SANITARY . . . No heated pump house or well pit is needed.

PUMP IS EASILY SET . . . by simply lowering pump into well suspended from drop pipe fitting with neck of the latter pointed in the casing fitting direction.



PUMP IS EASILY PULLED . . . by first supporting drop pipe with hoist, and then pulling control cable to free pump.

CORROSION PROTECTION . . . The Snappy Clamp-on casing fittings are lead-free galvanized gray iron. All parts within the well casing are either hot-dipped galvanized or constructed of corrosion resistant materials. All cast parts of the Bulldog pitless adapter are of high quality cast brass and conform to ASTM B584 specifications. Remaining parts are of 304 stainless steel or other corrosion resistant material. Springs are of phosphor bronze, O-rings are neoprene.

FULL CASING OPENING . . . provided by Snappy and Bulldog when pump is removed facilitates well and pump service, is often required by well codes and ordinarily necessary where a well screen is used.

MONITOR® AT-THE-WELL PITLESS ACCESSORIES. . . . Allows for the pressure switch to be located in the well casing. For a description of the Monitor At-The-Well Control and ordering information, check the At-the-Well section of this catalog.

NOTE: Improper chlorination can lead to corrosion problem.

SNAPPY AND BULLDOG ADAPTERS WILL SUPPORT 1,000 LBS. PRESSURE RATED AT 250 PSI.