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Stopcock to Tube Adaptor for Fluid Delivery System

Herbert M. Grubic

This adaptor is for attaching high and low pressure tubing to a stopcock or other lure type fitting on a fluid delivery system. This adaptor is free-fitting and has a glue well to aid in controlling any excess glue. The joint can be made without putting any added stress, strains or forces in the stopcock. This will help prevent crazing or cracking. The adaptor also has solid stops for the tube and adaptor to keep the adaptor from being inserted too far into the taper of the stopcock. The other side has a stop for the tubing. This insures that the tubing is inserted to proper depth for the glue joint and helps in controlling length of assembly.

SPECIFICATION

This adaptor provides a leak proof, high-pressure joint in a lure type fitting without adding additional stress to the lure taper. Further, it allows the use of a medical connector with high molded in stress to be bonded or glued without adding additional material stress, which could result in damaging the connection or increasing the possibility of leakage or aspiration during use.

This adaptor would be used on the stopcocks used in high-pressure fluid delivery systems, such as contrast delivery systems. The adaptor reduces the cracking and crazing of the stopcock.

