

What is KDF?

KDF (kinetic degradation fluxion) is a copper and zinc alloy that uses an ion-exchange process to remove chlorine. As chlorinated water flows through the media, the dissimilar metals in KDF create a galvanic (also called electrolytic) reaction that causes the two chlorine ions to combine with a zinc ion. This forms harmless zinc chloride ($ZnCl_2$).

KDF also bonds with several types of heavy metals, including mercury, lead and copper, removing excess amounts of these metals from the water.