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The invention relates to the field of corrosion protection of metals in water and can be used for corrosion inhibition in closed steel pipeline systems.

The process for corrosion protection of steel in water consists in the combined or sequential introduction into the aqueous medium in contact with steel surfaces of a compound of the formula $[FeSr_2(SalH)_2\ (Sal)_2(NO_3)(DMA)_4]$, where $SalH^-$ - is the salicylate monoanion, Sal^{2-} - the salicylate dianion, and DMA - dimethylacetamide, and furacilin, respectively in concentrations of 0.05…0.75 and 0.05…0.2 g/L.

The technical result consists in a significant reduction in corrosion losses up to 17 times and uniform suppression of corrosion over time.

Claims: 1