



HTZ Zinc Anode

YUXI has designed special zinc anodes used in tanks intended for the carriage of liquid cargo at elevated temperatures which has been supplied to Aramco for more than 10 years.

The alloy of HTZ zinc anode is composed with the objective of obtaining consistent behaviour at ambient temperatures up to 90°C, where conventional anodes tend to collapse.

YUXI HTZ zinc anode has passed the test in accordance with criteria of DNVGL-RP-B401.

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APPLICATION

- ▶ Steel pipe
- ▶ Insulated flange
- ▶ Cathodically protected pipe
- ▶ Steel pylon
- ▶ Other steel structures under tower



FEATURES

- ▶ Strictly conforms to ASTM 8-418-73, type II.
- ▶ Low resistivity backfill: 75% gypsum, 20% bentonite and 5% sodium sulfate
- ▶ Two or four anodes as requests
- ▶ Separated by insulating spacers
- ▶ Cable tail can be customized
- ▶ Easy installation

CHEMICAL COMPOSITION

Standard Alloy (Max.)	Zinc	Cu	Al	Fe	Cd	Pb	Others
Zinc Anode	remainder	0.005%	0.10-0.50%	0.005%	0.025-0.07%	0.006%	0.10%

SPECIFICATIONS

Temperature	Capacity	Potential	Electrode	Circuit
20°C	800Ah/kg	-1030mV	Ag/AgCl	Closed
60°C	770Ah/kg	-1010mV	Ag/AgCl	Closed
80°C	770Ah/kg	-980mV	Ag/AgCl	Closed
90°C	750Ah/kg	-950mV	Ag/AgCl	Closed