



Východočeské plynárenské strojírný, a.s.
538 34 Rosice u Chrásti
Czech Republic
IČO 60108819 DIČ 233-60108819
zapis v OR KS Hr. Králové odd.B vl.1017

TEL. +420 455 660500 *
MOBIL +420 602 433279 *
FAX +420 469 660570
WEB www.vpsr.cz
EMAIL vpsr@vpsr.cz

Galvanic anode in set Direction for use

Determination of the product

The galvanic anode in set is used for cathodic anticorrosion protection of the metallic equipment saved in the water or in the soil in front of the influence electrolytic corrosion. Especially handy is using for steel vessels and short sectors piping line with top coating isolation.

The purpose of the active cathodic protection is avoid to rise corrosion in failure place passive isolation which rise in consequence mistakes in mounting or as a result fade away isolation materials. These circumstances impossible never exclude.

Description of the product

Galvanic anode in set has these main parts :

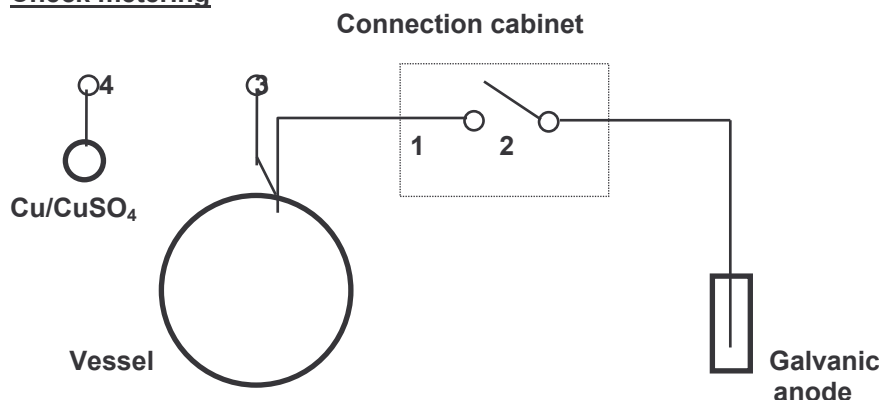
- galvanic anode is from the vision magnesium (Mg), with mark AZ 63, anode nub from stated vision is set in activation strewn on the base of the bentonit, in textile sack.
- connecting kabinet which is use for connecting galvanic anode with protected construction and than allows practise check metering.
- Flex ply connecting cabinet with protected construction.

Mounting

Mounting of anode is relatively simplicity but this claim to compliance several principle. Own body of the anode is save in distant at least 1m fromprotected construction in level bottom edge in the textile sack. In front of the riprap is provided wetting of the activation pack with water shed. Own riprap is necessary to provide in good conductive soil the best clayey so no with sand.

Connecting kabinet is placed on handy place protecte in front of the damage by the vessel bellow trap of armature dome. Fastening cabel is mounted to protection construction screw which is part of the supply. I tis very important to choicely exonerate the place of fasten into metallic polish to achieve perfect electrical conductive connect. After mounting of the able and finalization crew is provide painted or re-isolate the place of inosulation.

Check metering



After installation and interface of anode to protection kconstruction incoming to successive polarization construction - vessel and partly also anode. And that is why we metering decided into these parts



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which are provided after installation (in front of polarization) and metering which is provided continuously during working life as check metering.

Metering after installation

Stationary potential – anode - tention between anode and reference electrode Cu/CuSO₄ voltmeter among points 2 and 4 connecting in cabinet engagement, expected value - 1,4 V.

Stationary potential - vessel - tention between vessel and electrode Cu/CuSO₄ , voltmeter among points 1 and 4, measuring data depend on sort of the mould cca - 0,5 V

Operate metering

Potential vessel at make (button - up) - tention between vessel with electrode Cu/CuSO₄, voltmeter among points 3 and 4, measuring data must be negativeness than stacionary potential (higher) about value -0,85V. Points 1 and 2 engagement.

Potential vessel at outage (back) - tention between vessel and electrode Cu/CuSO₄, voltmeter among points 3 and 4, points 1 and 2 disjunction, value with deduction into 2 second after disjunction.

Potential anode vessel - tention between points 1 and 2, less than stacionary potential.

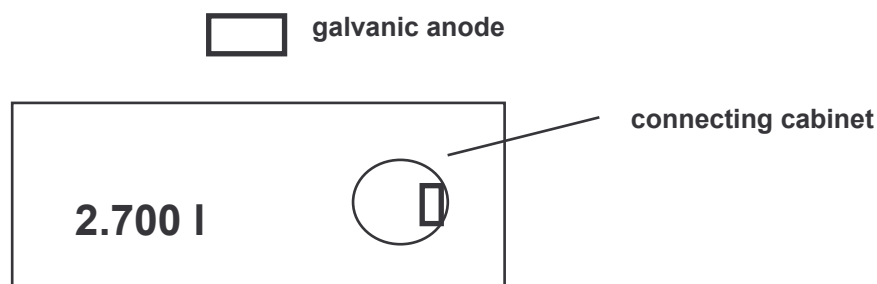
Protective stream - stream potter division (voltage) anode of the vessel amperemetre between 1 and 2. Inordinate values mA, μ A.

Information schedule dislocation galvanic anodes by the vessel for LPG

Set MG 1x1kg

Set MG 1x2,15kg

Set MG 2x2,15kg





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Set MG 2x1kg
Set MG 4x1kg
Set MG 2x2,15kg
Set MG 4x2,15kg

