

PETROL INSTRUMENTS S.r.l. - ITALY

S T R A I N E R S

PAINTING SPECIFICATIONS

1. GENERALITY

Our strainers are instruments composed by several sub assembly.

The sub assembly exposed to atmosphere and/or enviromental conditions are:

- body, raw material stainless steel or cast steel castings;
- cover, raw material stainless steel or carbon steel castings or plates;

The castings composing the above mentioned sub assembly are subject to sandblasting before their shipment to our factory.

After completing the equipment assembly and the hydraulic tests, each strainer is painted in accordance to our standard procedures, which are detailed hereinafter under item 2.

2. PAINTING MATERIALS

The underdetailed materials are normally used:

2.1. Two-components epoxy primer, with the main function of anchoring and antirust medium.

Such material is supplied in two (2) components, namely:

- primer;
- catalyst;

The two (2) components have to be blended up to the application viscosity and then applied by means of a spry gun.

Product hardens in air.

- 2.2. Two-components acrylic urethanic enamel, with the main function of parts protection, standard color green RAL 6011.

The two (2) components have to be blended up to the application viscosity and then applied by means of a spry gun.

Such material shows an excellent resistance to acids, bases and organic solvents. As most of acrylic uretanic varnishes it is strongly recommended for protection of parts exposed to marine enviroments.

It is applied using a proper diluent, by means of a spry gun.

Product hardens in air.

3. PAINTING PROCEDURES

Once completed performance test strainers are ready for painting.

The procedure followed for such operation is the following.

- 3.1. cleaning of the instrument;
- 3.2. protection of the parts not to be painted;
- 3.3. primer (see item 2.1) application, average thickness 100 micron;
- 3.4. hardening of primer in air, average time required about 60 min.;
- 3.5. application of acrylic urethanic varnish (see item 2.2), average thickness 60 micron;
- 3.6. hardening of acrylic urethanic varnish in air, average time required 12 hours.

4. PARTICULAR CONSIDERATIONS

- 4.1. In most installations painting of aluminum castings and of stainless steel castings is not required. However being strainers of our own construction used in different industrial areas as well as in different countries, painting in accordance with present specification is provided for all strainers produced.

- 4.2. Hardening of primer and of acrylic urethanic varnish in air has been preferred to hardening in furnace to avoid eventual damages to those parts of the strainers which, during operation, are normally subject only to ambient temperature as, for example, counter and pulse transmitter.

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