

REPLACEMENT OF ELECTRICAL MANIFOLD MERCOTAC

Gea Procomac has installed a Mercotac rotating electrical manifold on rinsers/fillers manufactured before 2004. This manifold is equipped with mercury type contacts for the transmission of low intensity signals (net signals, fieldbus, analogical signals, etc.).

This manifold is no longer installed by Gea Procomac, according to regulation 2002/95/CE, also known as RoSH, which doesn't allow, if not at very low levels, the use of lead, **mercury**, cadmium, hexavalent chrome and some flame retarders on electrical and electronic units.

Gea Procomac offers you the opportunity to replace the Mercotac electrical manifold with an equivalent **rotating manifold equipped with gold-plated contacts**.

This solution is already applied by Gea Procomac to the new generation rinsers/fillers with excellent reliability and duration results.

The new gold-plated contact manifold which is more solid, more compact and equipped with pre-cabled electrical cables has therefore demonstrated to be more reliable against liquid infiltrations (protection degree IP67).

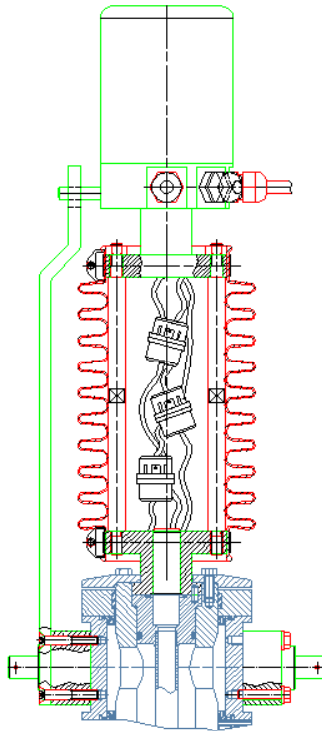
The new rotating manifold is supplied complete with rapid connectors which facilitate the dismantling and re-installation in case of eventual maintenance operations to the hydraulic manifold.

Technical features of the new rotating manifold

Protection degree	IP67
Contact resistance brushes/rings	< 20 mohm
Max exercise speed	50 n/1'
Running temperature	-10 °C - +60 °C
Sense of rotation	Clockwise/counterclockwise
Periodical maintenance	Not foreseen
Sliding contacts duration	10.000.000 revolutions
Manifold body	Stainless steel
Manifold rings	Gold plated brass
Buff contacts	Gold plated copper
Mechnaical parts/screws and bolts	Stainless steel
Cabling of rotating part	Multipolar cable precabled without connector
Cabling of fixed part	Multipolar cable precabled with connector

Installation of new rotating manifold

In order to install the new gold plated contact manifold Mercotac in replacement of the old one, a mechanical adaptor to be installed on the hydraulic manifold must be supplied and the intervention of a specialised Gea Procomac engineer is necessary in order to guarantee a quick and efficient application of the technical solution proposed.



Where the upgrade can be applied

The replacement of the new manifold can be achieved on the following machines (manufacturing year 1990-2004):

Manifold 12 races	FILLSTAR SF-PET2 * FILLSTAR PET2 * GRIPSTAR GX * GRIPSTAR HS
Manifold 18 races	FILLSTAR FX * FILLSTAR M * FILLSTAR PET M * FILLSTAR S * FILLSTAR SF-M

For those machines not listed here-above the technical/economical evaluation will be studied upon request.



Terms of supply

As far as the terms of supply are concerned, please refer to our Upgrades dept who will prepare the best technical/sales proposal for the replacement of the electrical manifold on the Gea Procomac plants you have.

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