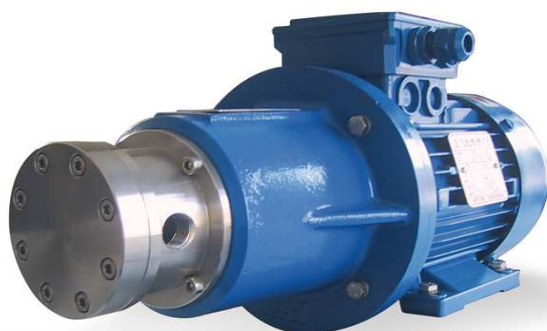


HTP PUMPS
EM-P PUMPS (ATEX VERSION)

Metallic Rotary Vane Mag-Drive Pumps



**INSTALLATION, OPERATION AND
MAINTENANCE MANUAL**

(SAFETY INSTRUCTIONS)
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1. INTRODUCTION

1.1 General

This manual refers to rotary vane mag drive centrifugal pumps of series HTP (EM-P for ATEX applications). Pumps of series HTP are made of different metallic materials (stainless steel AISI 316, AISI 316 L, HASTELLOY-C or, TITANIUM) and can be of different sizes. Dimensions and capacities available are described in paragraph 7.0.

1.2 Purpose of the manual

The main purpose of this manual is to assure that the activities of installation, operation and maintenance of the pumps are executed in a correct and safe way by all the personnel in charge of these operations. This document offers also indications useful for the customer to solve the problems, order spare parts and contact GemmeCotti repair service.

1.3 Warning symbols for safety



This symbol indicates a possible danger caused by the presence of electrical fields, contacts or wires with electric current.



All the symbols with the exclamation mark indicate an important situation that needs the attention of the personnel. In particular, these are indications useful for the correct functioning and prevention of possible damage to the equipment.



This symbol indicates the presence of strong magnetic fields which can damage or compromise the functioning of other equipment nearby.



This symbol signals a danger or a situation that requires the maximum attention of the personnel. It's important to respect the instructions stated at the margin of this symbol and proceed very carefully. It's necessary to inform all the personnel and/or users that the rules indicated prevent injuries.

1.4 Qualification and training of the personnel



Those in charge of the installation, operation and maintenance of the pumps have to be qualified to carry out the actions indicated in this manual. GemmeCotti is not responsible for the inadequate qualification and training of the customer's staff or for the lack of information of the staff regarding the contents of this manual. It's
