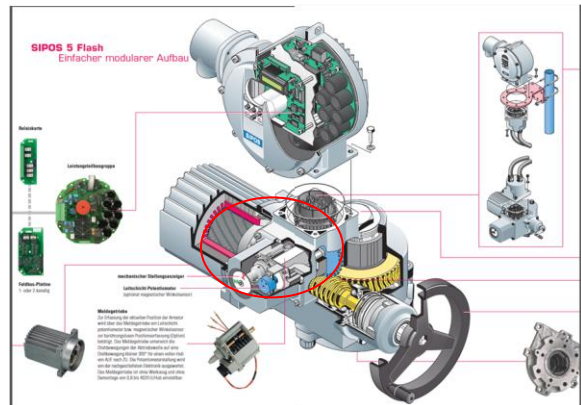
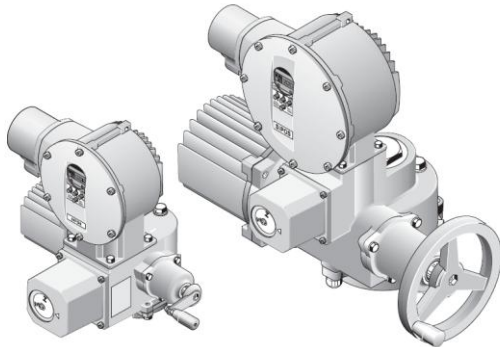


ACTUATORS / VALVES FOR WATERWORK



Machine Category:
ACTUATORS / VALVES FOR WATERWORK

Industry: Industrial Valves, Waterworks

Country: Germany

Product Series:
MCD

Specification:
MCD, special electrical Interface, 20 Bit revolution, low resolution, special shaft (see picture)

Competing Technical Solution:
Potentiometer with gearing

Benefits of Technical Solution

The encoder is used to monitor the position of the valve. Benefit was the high amount of revolutions which can be counted, also the pure digital interface (before an analogue potentiometer with gearing was used).

Reasons For Choosing POSITAL

Low price and unique selling position with magnetic counting technology. Furthermore adaption from POSITAL to integrate encoder into existing control system (I2C Bus)

Author: Christian Warias



SIPOS

AKTORIK

Confidential! For internal use and training of authorized sales partners of POSITAL only.
Information may not be disclosed to third parties!

AMERICAS
FRABA Inc.
1800 East State Street, Suite 148
Hamilton, NJ 08609-2020, USA
T +1 609 750-8705, F +1 609 750-8703
www.posital.com, info@posital.com

EUROPE
POSITAL GmbH
Carlswerkstrasse 13c
D-51063 Köln, GERMANY
T +49 221 96213-0, F +49 221 96213-20
www.posital.eu, info@posital.eu

ASIA
FRABA Pte. Ltd.
60 Alexandra Terrace,
#02-05 The Comtech, SINGAPORE 118502
T +65 6514 8880, F +65 6271 1792
www.posital.sg, info@posital.sg

ADDITIONAL INFORMATION

Official announcement by customer :

<http://www.sipos.de/cms/Sipos/en/top/news/1,100000,42240.html>

SIPOS adopts new encoder solution 08.10.2010



SIPOS actuator (right - small scale) and newly adopted encoder (centre) - traditional signaling gear is also shown

A new approach for actuator position detection has been adopted for SIPOS 5 Flash actuators. As an alternative to the company's established signaling gear, the

new encoder solution affords highest precision position detection. A design breakthrough offered by the encoder is an ability to detect position equally precisely, without battery or buffer capacitor, when power is off.

Introduction of the new technology by SIPOS enables measurement of over 300,000 revolutions of the output shaft. For example, at 36 revolutions per stroke, an accuracy of 0.002% is achieved with a resolution of 0.0005%.

Total non-intrusive commissioning is offered as end positions can be set without opening the actuator housing. Additionally, when combined with the actuator's double-sealed customer connection compartment, the protection of electronics from harmful environmental conditions is ensured – a feature reported as particularly important during challenging commissioning phases.