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Non contractual photo

This compact positioner servo control a high load with high speed and accuracy. It can operate in harsh environments.

1 - Design

- This positioner is driven by a Brushless motor. Equipped with a high precision absolute encoder that allows a permanent knowledge of the position. The movement is provided by a precision ball screw. A power off brake locks the load when the positioner is stopped.
- The VMR 65-1000-HT has a rod anti-rotation system, ensuring an easy implementation, since the tip does not rotate, thus avoiding oscillations, couples and wear interfaces.
- The VMR-65-1000 HT produce bidirectionnal stress up to 1000N at 40mm / s.
- The VMR-65-1000 HT fit easily on many devices of positioning or servo.
- The positioner can operate at high temperature environment (>100 ° C) and can actuate mechanisms reaching more than 200 ° C, thanks to its air-cooling system, and the thermal insulation of the rod by ceramics sleeve.
- Particularly compact for its size : only 50mm wide
- The positioner VMR 65-1000-HT has 2 interfaces of manual operating (Front and rear).

2 - Applications

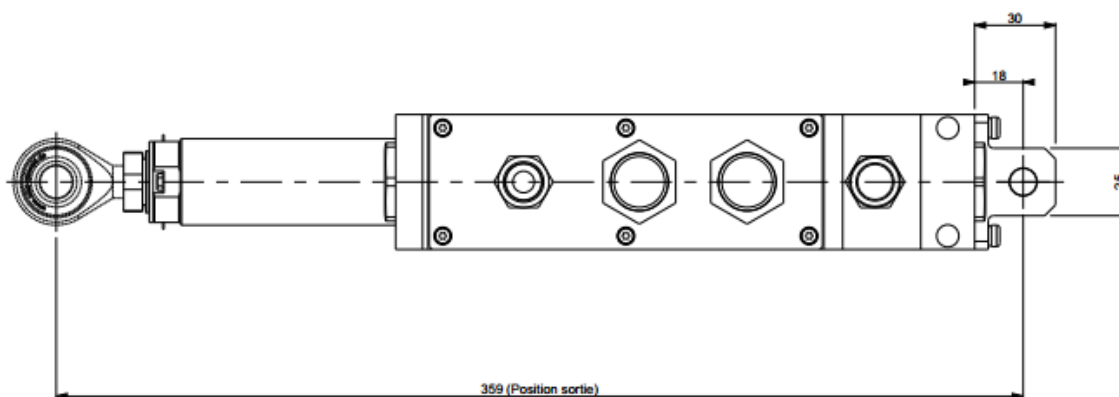
- Settings Servo control on test bench of motors or turbines
- Positioning and accurate orientation at high load
- Industrial machines
- Motorization compatible in harsh environments (such as defense or aerospace)

3 - Technical Specification

CHARACTERISTICS	VALUES
Stroke	65 mm
Maximum axial force	2 000 N
Speed	50 mm/s for $F = 1000\text{ N}$ 100 mm/s max for $F < 200\text{ N}$
Acceleration	250 mm/s ²
Axial clearance	Zero Clearance (ball screw and prestressed bearing)
Hysteresis (backlash)	<10 μm
Accuracy	<20 μm
Unidirectional repeatability	<2 μm
Environnement	T° ambiante > 100°C Etanche aux poussières T° point de fixation 200°C
Dimensions	50mm x 125mm x 300mm (without connectors)
Mass	4,5 kg
Motorization	Brushless Motor 24 V, 200 W
Encoder	Absolute SSI

Nota : Technical data of this datasheet may be subject to modifications

4 - Dimensions (mm) for 65mm-travel actuator



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