

Valve Controller - AVP 6504

- Multi-channels motor controller
- Up to 6 channels in a 19-inch rack mountable Kit
- Auto detection of valve closed position
- Easy interfacing with existing valve mechanism
- Fully secured against thermal-expansion of the valved-sources' valve position
- Direct integration within Crystal XE



Product introduction

The Riber valve position controller AVP 6504 provides real time control of the valve position. It incorporates a brushless motor and closed loop movement control with speed feedback. The Riber AVP 6504 is compatible with Crystal MBE process control software and can control up to 6 valves on the same equipment.

The AVP6504 is a communicating multi-channels valve controller mostly dedicated to securely set and measure the valve position of MBE Valved Sources with an electrical motor. It can also be used to control simpler vacuum valves.

A standard motor 1.3Nm is included in the AVP 6504.. It can be directly installed on all valved sources currently manufactured by RIBER. For some sources an adaptation kit is available and must be installed first on the valved source side.

AVP3504 is also embedding safety watchdogs to preserve valve mechanisms against extreme thermal dilatation or extra-torque closure, These watchdogs are set via the Crystal XE AVP6504 interface into the software.

For PBN valve, like in VCOR technology, this controller is also equipped with a patented ProSafe® test for safe operation, enabling a perfectly adapted valve torque, ensuring leak tightness of the PBN valve while preserving the PBN surfaces from excessive stress.

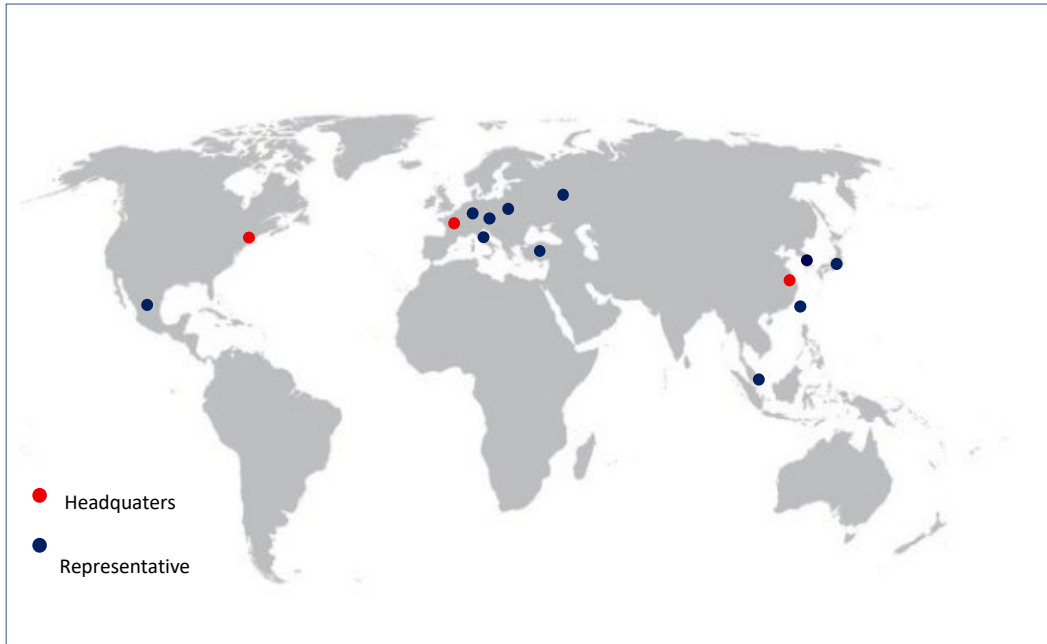
Specifications

Characteristics	
Rack	19" – 3U
Motor channels	1 to 6
Motor standard torque	1.3 N.m
Backlash correction	Yes
Typical motor resolution (full scale)	0,01% range / Built-in position resolver
Detection of valve closure	Auto

Please consult Riber for specific requests.

RIBER SALES AND SERVICE NETWORK

For more information, please contact your local sales representative



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