

Heated Throttle Valve for Rainbow 4520 systems

Upgrade part number: 839-013901-001E

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service is solution



- Improved reliability
- Improved throughput
- Improved heating capability
- Reduced cost of ownership
- Improved process stabilization
- Reduced meantime between clean
- Plug and Play design without additional AC2 controller



An improved heated throttle valve with controller is available for all Rainbow 4520 systems. This throttle valve has overcome the polymer build up and flapper sticking scenario common to the standard valve.

The easy to install improved throttle valve has many advantages over the standard Tylan valve. The integrated heater element is set at 90°C and stops any polymer build up on the flapper and side walls, which eventually causes failure and unscheduled maintenance on the standard valve. This is the only heated valve which fits into the 4520 Rainbow. The response time of the flapper is greatly improved and regulates the process pressure faster and more accurate without peak overshoots. The controller unit is integrated into the valve using stepper motor direct drive.

- **Model affected**
All LAM Research Rainbow 4520 systems using the standard Tylan Throttle Valve including AC-2 Controller
- **No additional power source and not AC-2 Controller needed**
- **Easy installation**
The Throttle Valve is easy to install. It directly fits to the place the original one was installed. The space where the old AC-2 Controller was sitting is saved.
- **Installation guide**
An installation guide eases up the first installation.
- **Contents of the retrofit kit**
The retrofit comes with the Valve, all needed cables and the installation guide.
- **To receive further information or technical data, please contact us by mail or phone.**



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