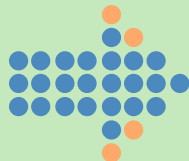


What do you need for critical post CMP clean and polishing applications?

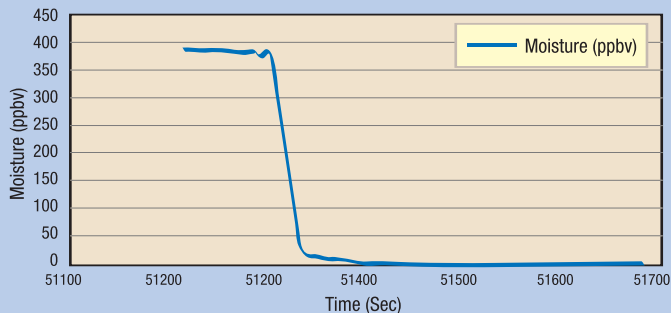
You need Planarcore™ brushes for the ultimate in advanced wafer cleaning and polishing. The new Planarcore PVA brushes utilize the latest innovations in molded through-the-core design, with the PVA anchored to the integral brush core. Used in CMP post-clean applications for semiconductor and hard disk polishing, Planarcore brushes provide a very stable process from wafer to wafer.

- With molded through the core design, eliminates PVA expansion, slippage, run out, or nodule density change
- Patent pending PVA brush core evenly distributes the flow throughout the length of the brush
- Integral core design means simple, rapid installation, delivering reduced downtime and high system throughput
- High purity PVA enhances product integrity for defect-free performance
- Absolute consistency from brush-to-brush, increases control of the process





**Aeronex SK Purification Media
389ppb challenge**



Aeronex SK Purification Media Moisture Capacity

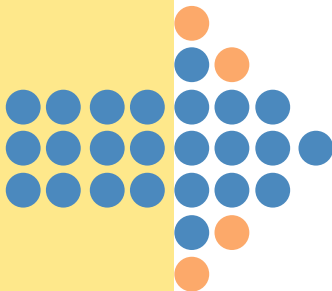
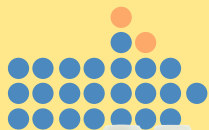
Remove moisture to less than 1ppb in Ammonia

New Aeronex® SK Series gas purifiers for compound and silicon semiconductor applications eliminate impurities from hydride gases. Aeronex SK purifiers are the first to remove moisture in ammonia to <1ppb according to published third-party analytical test data. With a higher capacity for moisture and oxygen than the previous Aeronex Y&T Series purifiers, and no CO release, Aeronex SK purifiers offer a significant improvement over previous technology.

Aeronex SK Series Gas Purifiers from Mykrolis:

- Purify NH_3 , AsH_3 , PH_3 , GeH_4 , SiH_4 , BeH_6 and Si_2H_6
- Remove O_2 , CO , CO_2 , H_2O non-methane hydrocarbons and oxidation by-products
- Utilize Aeronex regenerable, inorganic purification technology
- Available in both GateKeeper® Point-of-use purifiers and Infinity™ Gas Purifications Systems

Email us at gatekeeper@mykrolis.com or visit us on the web at www.aeronex.com/skmedia to find out how you can purify your hydride gases better than ever before.



Got superior aqueous-based chemical filter requirements?

You need QuickChange® ATM filters designed for use in any aqueous-based chemical applications that require the highest purity level. The advanced, patented, non-dewetting membrane technology provides high flow and long filter life that delivers particle excursion protection, ease of use, rapid changeout and safety.

- Excellent particle retention – available in 0.03 and 0.05 micron retention ratings
- High Membrane Surface area permits high flow rate
- Core vent design allows for venting of outgassing of chemicals or trapped air from filter core
- Aqueous-based chemical compatibility – H_2SO_4 , H_3PO_4 , HNO_3 , HF_3 , HCL , BOE , NH_4 , H_2O_2 , $TMAH$ and NH_4OH
- Rapid changeout time, minimize system downtime and lower cost of ownership

Mykrolis...We're There

For information on Mykrolis QuickChange email us at marketing@mykrolis.com, visit www.mykrolis.com or call us at 877-695-7654.





Impact® 2

IntelliGen®3 dispense system

How do you reduce defects and use less resist?

Only Mykrolis combines core technologies in photo dispense and filtration. By using IntelliGen® 3 with integrated Impact® 2 filter, you can lower costs while increasing yield.

- Resist savings through the dispense repeatability of Mykrolis's patented Two-Stage Technology and low hold-up volume filter
- Lower defects through optimized filtration. Two-Stage Technology lets you optimize filtration rate based on defect performance instead of being tied to your dispense rate
- Minimal chemical exposure and tool downtime during filter change with Mykrolis's patented Connectology™ for safer, easier change-out
- Fast priming with minimum fluid use due to recirculation feature of IntelliGen 3
- Advanced PCM filter membrane is superior to competitive offerings, for long-term defect reduction in BARC, TARC, and 193nm photoresist
- Pore sizes of 0.02µm, 0.03µm, 0.05µm, 0.1µm and 0.2µm to meet critical line width processes



OptiChem™ Flow Controller

What do you need for ultra-pure chemical dispense and flow control for semiconductor process application?

You need a combination of reliability, performance and peace of mind that you can only get from the Mykrolis OptiChem™ Flow Controllers. The OptiChem is a high performance flow controller that gives reliable and repeatable flow metering, control and process monitoring in a single unit.

Liquid Flow Control Solutions

- CMP, general chemical and track dispense applications
- Improved process consistency
- Fast response <1 second
- Data logging for advanced process control
- Subsystem management
- Flexible — digital, analog or recipe control