

# BACKPLATES FOR VACUUM END CAP FLANGES

*BRING YOUR VACUUM TECHNOLOGY TO 0.18- $\mu$ M,*



*REDUCE YOUR MAINTENANCE SCHEDULES, AND INCREASE  
YOUR OEE, SIMULTANEOUSLY!*

INVAC SYSTEMS offers a full line of vacuum flange assemblies and products for Atmospheric and LPCVD applications. Whether your process is Poly Silicon, Silicon Nitride, Teos, or Low Temperature Thermal Anneals, we have flanges to meet your requirements.

INVAC SYSTEMS has a perfect addition to your rear flange - a removable back plate. You no longer have to compromise the flange vacuum seal in order to have access to the rear of your process chamber. Our removable back plates make maintenance easier for removing process liners, injectors, and vacuum components.

Each back plate can be designed, process specific, to accommodate the exact Profile TC and internal injector positions required for process tubes with and without liners.

Our back plates can adapt to almost any vacuum connection: ISO, KF, Ball Sockets, etc...



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Do different injector locations confuse your technicians? Do you have single port rear plates used with a liner and without? We will engrave your back plate with a specific process name or furnace name at your request to eliminate any assembly errors during maintenance.



**ELIMINATE ERRORS**

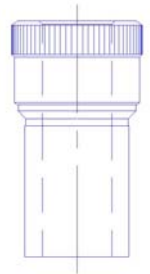
**ENGRAVE**

**YOUR PLATES**

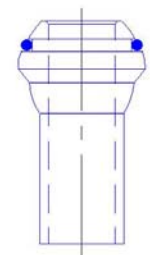
**Today!**

## How do you SEAL your PROFILE TC AND INJECTORS?

Stainless Steel Ultra-Torr Fittings create a great vacuum seal for LPCVD systems. They are commonly used in applications where fixed positioning of the Profile TC is performed manually on each furnace. They are also commonly used on applications where more than one TC or Injector are clustered together in a tight area.



Stainless Steel Ball Joint Fittings also create a great vacuum seal for LPCVD systems. They are commonly used in applications where fixed, repeatable, placement of the Profile TC, or Injector, is required. Ball Joints can be used in conjunction with Ultra-Torr Fittings for tight area applications, or by themselves, as long as enough space is allowed for the pinch clamps.



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