

ROUGHING ACCESSORIES

[BAKEABLE RIGHT ANGLE] [ELECTROPNEUMATICALLY RIGHT ANGLE]
 [HIGH & ULTRA HIGH VACUUM VALVES FEATURES] [IRIS]
 [STRAIGHT THROUGH] [VENT & BACK FILL]

HIGH AND ULTRA HIGH VACUUM VALVES



GENERAL INFORMATION

DVM angle and inline valves are designed for long life with a minimum of maintainance.
 The features described below are incorporated into all DVM high and ultra high vacuum valves.

- All surfaces exposed to vacuum are electropolished 304 stainless steel with the exception of the bellows shaft seals which are 300 series stainless steel
- All welds are internal to avoid virtual leaks
- All poppet seals are Elastomer
- Bonnet seals are either metal or Elastomer
- Manual valves use a double start acme thread for a minimum of turns from fully closed to fully open.
- Pneumatic valves can be either air-to-open air-to close or air-to-open spring-to-close. Either style can be plumbed to close on power failure.
- All valves actuators can be removed without removing valve body from system.
- Poppet and bonnet seals are made by small cross section o-ring to minimize the amount of Elastomer exposed to system.
- Unibody construction - valve body and seat are machined from a solid block to assure a surface with no virtual leaks.
- Actuators can be switched from hand to pneumatic without removing valve body from system.
- Bakeable to 200° in open position
- Pressure range atmosphere to 1×10^{-9} torr
- Electropneumatic actuator:
 - * 70-100 psig
 - * Electrical power 115 AC 60 HZ
 - * Other power requirements available on request
- Valves are unconditionally guaranteed for one year.