CHEMISTRY VACUUM SYSTEM

MD 12C NT +EK, MD 12C NT +AK+EK

These chemistry vacuum systems have a wide range of applications like evacuation, evaporation and pumping of gases and vapors. They provide particularly high pumping speed and are ideal for higher vacuum requirements, e.g., with high boiling solvents. The base MD 12C NT pump obtains a very good ultimate vacuum even with open gas ballast valve for condensate purge and delivers high pumping speed in a compact design. The pump design offers exceptionally high chemical resistance supporting almost universal usage in chemistry and pharmaceutics. The inlet separator (AK) retains particles and liquid droplets, the waste vapor condenser at the outlet (EK) is highly efficient and compact. The condenser enables near-100-percent solvent recovery, efficient recycling, and active protection of the environment.

PERFORMANCE FEATURES

- outstanding chemical resistance and superior vapor tolerance
- reduced process time due to particularly high pumping speed even near ultimate vacuum
- whisper quiet and very low vibration
- very good ultimate vacuum even with open gas ballast valve for condensate purge
- efficient solvent recovery and inlet separator equip the MD 12C NT +AK+EK system for rough operating conditions

MD 12C NT +AK+EK
11.1 m³/h
2 mbar

MD 12C NT +EK
11.1 m³/h
2 mbar

APPLICATIONS

The very high pumping speed of the MD 12C NT reduces the process time and meets the high vacuum requirements, e.g., of parallel processes in vacuum networks. Typical applications are vacuum ovens and large rotary evaporators as well as pilot plants and mini-plants. These vacuum systems will also quickly prove their advantages in kilo labs, with the high volumes of solvents processed there. The MD 12C NT serves as the powerful heart of several environmentally friendly VACUUBRAND models with efficient solvent recovery accessories. The MD 12C NT +AK+EK, for example, includes a separator at the inlet that is particularly useful for rough operating conditions.