

Heat-Treatment: Product / Application Matrix



Fore vacuum pumps	Standard Duty e.g. Tempering or Hardening <ul style="list-style-type: none"> Clean furnace outgassing (mainly air and humidity) No vapors or particles 	Demanding Duty e.g. Brazing or Nitriding <ul style="list-style-type: none"> Outgassing contains aggressive or reactive substances as fluxagents or ammonia Condensable vapors 	Special Duty e.g. Sintering, MIM, Carburizing <ul style="list-style-type: none"> Outgassing contains excessive vapors or particles Condensable vapors as binder or hydrocarbons 		
SOGEVAC B & BR <ul style="list-style-type: none"> Oil-sealed rotary vane pump Proven, industrial design Air or water cooled Best price / suction-speed ratio BR-version for demanding duty 	Product / Application Fit <ul style="list-style-type: none"> Full application capability Cost effective maintenance and service demand Optimal cost/ performance ratio 	Product / Application Fit <ul style="list-style-type: none"> Application capability depends on process details More frequent oil-exchanges Potential corrosion risk 	Product / Application Fit <ul style="list-style-type: none"> Application capability depends on process Very frequent oil exchanges Risk of pump failures by deposits SV-BR-version as alternative for carburizing 		
Perfect Fit		Suitable		Limited Suitability	
DRYVAC DV <ul style="list-style-type: none"> Dry compressing screw pump High vapor and particle tolerance Lowest power demand Fully water cooled, extreme compact design Built-in frequency converter For medium to big pumping speed 	Product / Application Fit <ul style="list-style-type: none"> Full application capability "Install and forget" solution with application independent standard maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Full application capability Optimal cost/ performance ratio "Install and forget" solution with application independent maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Application specific system design required Deposit removal by dynamic flushing Pump wetting could avoid deposits Maintenance intervals depending on process 		
Suitable		Perfect Fit		Suitable	
LEYVAC LV <ul style="list-style-type: none"> Dry compressing screw pump High vapor and particle tolerance Fully water cooled, extreme compact design For small to medium pumping speed 	Product / Application Fit <ul style="list-style-type: none"> Full application capability "Install and forget" solution with application independent standard maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Full application capability Optimal cost/ performance ratio "Install and forget" solution with application independent maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Application specific system design required Deposit removal by dynamic flushing Pump wetting could avoid deposits Maintenance intervals depending on process 		
Suitable		Perfect Fit		Suitable	
VARODRY VD <ul style="list-style-type: none"> Dry compressing screw pump High vapor and particle tolerance Lowest power demand Fully air cooled and compact design For small to medium pumping speed 	Product / Application Fit <ul style="list-style-type: none"> Full application capability "Install and forget" solution with application independent standard maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Full application capability Optimal cost/ performance ratio "Install and forget" solution with application independent maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Application specific system design required Deposit removal by dynamic flushing Pump wetting could avoid deposits Maintenance intervals depending on process 		
Suitable		Perfect Fit		Suitable	
SCREWLINE SP <ul style="list-style-type: none"> "Heavy-duty" screw pump Cantilevered bearing allows hosing disassembly and pump cleaning Lowest operation temperatures ensure low layer build-up tendency Air or water cooled 	Product / Application Fit <ul style="list-style-type: none"> Full application capability "Install and forget" solution with application independent standard maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Full application capability "Install and forget" solution with application independent maintenance and service intervals 	Product / Application Fit <ul style="list-style-type: none"> Application specific system design required Deposit removal by manual cleaning or dynamic flushing Pump wetting could avoid deposits Maintenance intervals depending on process 		
Suitable		Suitable		Perfect Fit	