Gasho
SINCE 1982
The Leader in Blower & Vacuum Solutions

VACUUM PUMP SIZING SHEET

Contact		Phone	
Company		Fax	
Street Address		Email	
City		Cust Ref	
State, Zip		Due Date	

Site Conditions	
Ambient Temperature	Min. Max.
Elevation (above sea level)	

Process Conditions – select Steady Sate and /or Pumpdown	
□***Steady State (continuous process):***	
Flow Rate (mass or volumetric flow)	
Gas Composition Breakdown	mass % □, or mole % □ and MW
Gas 1	
Gas 2	
Gas 3	
Gas 4	
Gas 5	
Known air-in leak (ACFM or lb/hr)	
Inlet Gas Temperature	
Inlet Pressure	
Discharge Pressure	

□***Pumpdown Application (batch process):***	
Gas Composition Breakdown	mass % □, or mole % □ and MW
Gas 1	
Gas 2	
Gas 3	
Gas 4	
Gas 5	
Volume to Evacuate	
Desired time to Evacuate	
Initial Suction Pressure	
Final Suction Pressure	
Inlet Gas Temperature	
Known air-in-leakage (mass or volumetric flow	

Seal Liquid (liquid ring pump only):	
Type of Seal Liquid Available (Water typical)	
Temperature and Pressure	
If Other Than Water Give:	
Specific Gravity	
Specific Heat	
Vapor Pressure at operating temperature	
Viscosity	
Sealant Recovery System	NSR □ PSR □ FSR □

Material of Construction Preference	
Metal	
Elastomers/Shaft Seal	

Cooling Medial Available	
Cooling Liquid (Water typical)	
Temperature	
Max GPM / Temperature Rise	

Power Supply:	
Supply-Phase/Cycles/Voltage	Phase / Hz / Voltage
Area Classification • Class, Division and Group • ATEX requirement	
Method of starting: • VFD • Direct On Line (DOL) • Other (e.g., Soft start)	
Other special requirements	

Electrical Controls	
Will Gasho supply an electrical control panel?	YES □ NO □
Enclosure Type required	NEMA 4 □ NEMA 7 □

What type of vacuum pump do you currently have for this process (e.g., Piston, Vane, Liquid Ring, etc.)?
If the current pump has failed, what was the nature of the failure?

ADDITIONAL REMARKS: