

CONTACT & PROJECT INFORMATION

Title / Application Name:

Date:

Tag #:

Company:

Phone:

Email:

Address:

City:

State:

Zip:

Country:

AIR / GAS DATA

Gas Type (Compressed Air, N2, CO2, Other):

Application / End Use:

Inlet Pressure — Normal (PSIG):

Inlet Pressure — Max (PSIG):

Inlet Pressure — Min (PSIG):

Outlet Pressure Required (PSIG):

Inlet Temperature — Normal (°F):

Inlet Temperature — Max (°F):

Ambient / Environment Temp (°F):

FLOW CONDITIONS

Flow Rate — Normal (SCFM):

Flow Rate — Max (SCFM):

Flow Rate — Normal (ACFM):

Duty Cycle (hrs/day):

Inlet Pipe / Port Size:

Outlet Pipe / Port Size:

Connection Type (NPT/BSP/Flanged):

Pressure Drop Budget (PSID):

CONTAMINATION & QUALITY REQUIREMENTS

Inlet Oil Content (mg/m³ if known):

Inlet Particulate Loading (mg/m³):

Inlet Pressure Dew Point (°F or °C):

Required Oil Residual (mg/m³):

Required Particle Class (ISO 8573):

Required Dew Point Outlet (°F or °C):

Oil Vapor Required (mg/m³):

☐ ISO 8573-1 Class 1

☐ ISO 8573-1 Class 2

☐ ISO 8573-1 Class 3

☐ Food Grade (FDA/3-A)

☐ Instrument Air

☐ Breathing Air (CGA G-7.1)

☐ Pharmaceutical / GMP

☐ Other

FILTER STAGES REQUIRED

☐ General Purpose Particulate (5 micron)

☐ Coalescing — High Efficiency (0.01 micron)

☐ Activated Carbon (Oil Vapor Removal)

☐ Sterile / Absolute (0.01 micron)

☐ Pre-Filter for Dryer

☐ Afterfilter (Post-Dryer)

☐ Refrigerated Dryer

☐ Desiccant Dryer

☐ Membrane Dryer

Number of Filter Stages:

Manual or Auto Drain on Separator?:

Drain Type (Float / Timed / Zero-Loss):

HOUSING & MEDIA PREFERENCES

Housing Material (Aluminum / SS / Carbon Steel):

Bowl Material (Polycarbonate / Metal):

Guard Required? (Y/N):

Element Media (Borosilicate / Activated Carbon / PTFE):

Preferred Element Brand / Part #:

☐ Modular (Common Manifold)

☐ Stand-Alone (Separate Housings)

☐ Panel / Rack Mounted

☐ Compressed Air Station (Pre-Built)

☐ Other

MONITORING & SAFETY

DP Indicator Required? (Y/N):

DP Switch / Alarm Set Point:

Oil Carryover Indicator? (Y/N):

Pressure Gauge? (Y/N):

Hazardous Area? (Y/N / Class/Div):

ATEX / NEC Required? (Y/N):

Existing Filter Brand / Part # (if any):

NOTES / ADDITIONAL REQUIREMENTS

SYSTEM / INSTALLATION SKETCH

Sketch inlet/outlet piping, vessel orientation, and key dimensions here