SOLBERG
Filtration • Separation• Silencing

Escalated Knock Out Series Worksheet

Customer Name: **Classification:**

Contact:

When to escalate the Solberg Knock Out Vessels:

- Customer has Glass-Forming/Glass-Manufacturing application
- Customer has an application in which oil smoke is present
- The application is a combination of contaminant and oil smoke and coalescing is necessary for effective separation of the process flow to minimize contamination of pumping equipment

Basic Operating Principles:

- Process flow containing oil mist or smoke and contaminant enters knock out vessel
- Flow is impeded by a baffle to promote knock out of large particulate and liquid drops
- A first stage filter cartridge/demister pad assists in the removal of liquid and particulate
- Final stage filter cartridge will promote further particulate removal or can be supplied with an oil coalescing filter cartridge for oil mist and smoke removal
- Any collected liquid can then be drained from both the bottom and top sections of the knock out vessel to ensure optimal performance

Note: System effectiveness depends on several factors including the physical properties of the oil being coalesced, concentration levels, process temperature, process flow and vacuum/pressure levels.

Specifications Needed to Recommend a Correct Solution (Please include unit of measure for each):

Max flow: Operating vacuum level:

Connection size and type: Temperature at inlet to vacuum filter:

Exact vacuum pump make and model:

continue...

Escalated Knock Out Series Worksheet

Defined source substance of oil/grease contaminant (MSDS Sheet or Technical Data Sheet):

Is there visible smoke present in the process flow:

Space limitations if applicable:

Materials of construction requirements (or Solberg to recommend):

Number of molding machines connected to the header:

Specific Application Process Notes: