

ROTARY AIRLOCK FEEDER APPLICATION DATA SHEET



Company: _____

Date: _____

Contact: _____

Salesperson: _____

Phone No: _____

Job Reference: _____

FAX No: _____

Application # _____

FUNCTION OF VALVE	MATERIAL CHARACTERISTICS
<p>AIRLOCK ONLY: MINIMIZES SYSTEM AIRLOSS WHILE ALLOWING THE TRANSFER OF MATERIAL BETWEEN VESSELS WITH DIFFERING PRESSURE</p> <p>FEEDER ONLY: REGULATES THE CONTINUOUS FLOW OF MATERIAL BETWEEN VESSELS SHARING THE SAME PRESSURE</p> <p>AIRLOCK-FEEDER: MINIMIZES SYSTEM AIR LOSS WHILE REGULATING THE FLOW OF MATERIAL BETWEEN VESSELS WITH DIFFERING PRESSURE</p>	<p>COMMON NAME: _____</p> <p>CHEMICAL FORMULA: _____</p> <p>BULK DENSITY, AERATED: _____ Lbs./Cu.Ft.</p> <p>BULK DENSITY, SETTLED: _____ Lbs./Cu.Ft.</p> <p>MAXIMUM PARTICLE SIZE: _____</p> <p>PARTICLE TYPE/SHAPE IS:</p> <p style="padding-left: 20px;"> <input type="checkbox"/> PELLET <input type="checkbox"/> POWDER <input type="checkbox"/> CHIP <input type="checkbox"/> LUMP <input type="checkbox"/> GRANULAR <input type="checkbox"/> FLAKE <input type="checkbox"/> CURL <input type="checkbox"/> FIBROUS </p> <p>MESH SIZE-ANGLE OF REPOSE IS: _____°</p> <p>_____ %THRU 1/2" _____ %THRU 1/4" _____ %THRU 1/8"</p> <p>_____ %THRU 1/16" _____ %THRU 25 _____ %THRU 50</p> <p>_____ %THRU 100 _____ %THRU 200 _____ %THRU 400</p> <p>FLOWABILITY: EXTREME MODERATE SLUGGISH</p> <p>MOISTURE CONTENT OF MATERIAL IS: _____%</p> <p>TEMPERATURE OF MATERIAL IS: _____°F</p> <p style="text-align: center;">SPECIAL CHARACTERISTICS:</p> <p style="padding-left: 20px;"> <input type="checkbox"/> HYGROSCOPIC <input type="checkbox"/> CORROSIVE-REACTIVE <input type="checkbox"/> EXPLOSIVE <input type="checkbox"/> TOXIC-EMITS FUMES <input type="checkbox"/> STICKY-SMEARS <input type="checkbox"/> HEAT SENSITIVE <input type="checkbox"/> AERATES-DUSTY <input type="checkbox"/> TENDS TO PACK <input type="checkbox"/> OTHER </p> <p>ABRASIVENESS: EXTREME MODERATE MILD</p> <p>ALLOWABLE MATERIAL DEGRADATION IS _____ %</p>
<p style="text-align: center;">CONDITIONS ABOVE VALVE</p> <p>VALVE IS INSTALLED BENEATH:</p> <p><input checked="" type="checkbox"/> HOPPER SILO BAGHOUSE</p> <p>_____ CYCLONE FLTR. RCVR. SCREW</p> <p>_____ SHREDDER DRYER MIXER</p> <p>OTHER: _____</p> <p>PRESSURE ABOVE VALVE IS:</p> <p>_____ POSITIVE _____ NEGATIVE _____ ATMOSPHERIC</p> <p>_____ PSI _____ "Hg _____ "H₂O</p> <p>TEMPERATURE ABOVE VALVE IS: _____ °F</p> <p>IS VALVE CHOKE-FED? YES NO</p> <p>HUMIDITY IS: HIGH AVERAGE LOW</p>	<p style="text-align: center;">OPERATING CONDITIONS</p> <p>CONSTANT RATE OF FLOW PER HOUR:</p> <p>_____ Tons _____ Lbs. _____ Cu.Ft.</p> <p>DUTY CYCLE: CONTINUOUS <input checked="" type="checkbox"/> INTERMITTENT</p> <p>COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p style="text-align: center;">CONDITIONS BELOW VALVE</p> <p>VALVE IS INSTALLED ABOVE:</p> <p>_____ HOPPER _____ SCREW _____ AIRSLIDE</p> <p>_____ BELT _____ CHUTE _____ MIXER</p> <p>_____ TANK _____ VAC LINE _____ PRES. LINE</p> <p>OTHER: _____</p> <p>PRESSURE BENEATH VALVE IS:</p> <p>_____ POSITIVE _____ NEGATIVE _____ ATMOSPHERIC</p> <p>_____ PSI _____ "Hg _____ "H₂O</p> <p>TEMPERATURE BENEATH VALVE IS: _____ °F</p> <p>DIAMETER OF CONVEYING LINE IS: _____</p> <p>HUMIDITY IS: HIGH AVERAGE LOW</p>	

