



ROTARY FEEDER APPLICATION DATA



CUSTOMER: _____

DATE: _____

PNEUMATIC CONVEYING SYSTEMS AND COMPONENTS

| FUNCTION OF VALVE | MATERIAL CHARACTERISTICS |
|--|---|
| <input type="checkbox"/> AIRLOCK ONLY: MINIMIZES SYSTEM AIR LOSS WHILE ALLOWING THE TRANSFER | COMMON NAME: _____ |
| <input type="checkbox"/> FEEDER ONLY: REGULATES THE CONTINUOUS FLOW OF MATERIAL BETWEEN VESSELS SHARING THE SAME PRESSURE | CHEMICAL FORMULA: _____ |
| <input type="checkbox"/> AIRLOCK - FEEDER: MINIMIZES SYSTEM AIR LOSS WHILE REGULATING THE FLOW OF MATERIAL BETWEEN VESSELS WITH DIFFERING PRESSURE | BULK DENSITY, AERATED: _____ Lbs./Cu. Ft. BULK DENSITY, SETTLED: _____ Lbs./Cu. Ft. |
| CONDITIONS ABOVE VALVE | MAXIMUM PARTICLE SHAPE: _____ PARTICLE TYPE/SHAPE IS: |
| VALVE IS INSTALLED BENEATH: | <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 |
| <input type="checkbox"/> HOPPER <input type="checkbox"/> SILO <input type="checkbox"/> BAGHOUSE <input type="checkbox"/> CYCLONE <input type="checkbox"/> FLTR. RCVR. <input type="checkbox"/> SCREW <input type="checkbox"/> SHREDDER <input type="checkbox"/> DRYER <input type="checkbox"/> MIXER <input type="checkbox"/> OTHER _____ | MESH SIZE - ANGLE OF REPOSE IS: _____ DEG _____ % THRU 1/2" _____ % THRU 1/4" _____ % THRU 1/8" _____ % THRU 1/16" _____ % THRU 25 _____ % THRU 50 _____ % THRU 100 _____ % THRU 200 _____ % THRU 400 |
| PRESSURE ABOVE VALVE IS: | FLOWABILITY: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> SLUGGISH |
| <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____ "Hg _____ "H2O | MOISTURE CONTENT OF MATERIAL IS: _____ % TEMPERATURE OF MATERIAL IS: _____ DEG |
| TEMPERATURE ABOVE VALVE IS: _____ DEG F IS VALVE CHOKED? <input type="checkbox"/> YES <input type="checkbox"/> NO HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW | SPECIAL CHARACTERISTICS |
| CONDITIONS BELOW VALVE | <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"/> FOOD GRADE <input type="checkbox"/> AERATES - DUSTY <input type="checkbox"/> PHARMACEUTICAL <input type="checkbox"/> TENDS TO PACK <input type="checkbox"/> OTHER _____ |
| VALVE IS INSTALLED ABOVE: | ABRASIVENESS: <input type="checkbox"/> EXTREME <input type="checkbox"/> MODERATE <input type="checkbox"/> MILD ALLOWABLE MATERIAL DEGRADATION IS: _____ % |
| <input type="checkbox"/> HOPPER <input type="checkbox"/> SCREW <input type="checkbox"/> AIRSLIDE <input type="checkbox"/> BELT <input type="checkbox"/> CHUTE <input type="checkbox"/> MIXER <input type="checkbox"/> TANK <input type="checkbox"/> VAC. LINE <input type="checkbox"/> PRESS. LINE <input type="checkbox"/> OTHER _____ | COMMENTS: _____ |
| PRESSURE BENEATH VALVE IS: | OPERATING CONDITIONS |
| <input type="checkbox"/> POSITIVE <input type="checkbox"/> NEGATIVE <input type="checkbox"/> ATMOSPHERIC _____ PSI _____ "Hg _____ "H2O | CONSTANT RATE OF FLOW PER HOUR: _____ Tons _____ Lbs. _____ Cu. Ft. |
| TEMPERATURE BENEATH VALVE IS: _____ DEG F DIAMETER OF CONVEYING LINE IS: _____ HUMIDITY IS: <input type="checkbox"/> HIGH <input type="checkbox"/> AVERAGE <input type="checkbox"/> LOW | VARIABLE FEED RATE (IF REQUIRED) MAX: _____ AVG: _____ MIN: _____ DUTY CYCLE: <input type="checkbox"/> CONTINUOUS <input type="checkbox"/> INTERMITTENT COMMENTS: _____ |

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