293-A-007 DIGITAL FORM

ROTARY AIRLOCK FEEDER APPLICATION DATA SHEET

Company: _____ Date:

Contact: _____ Salesperson:

Phone No: _____ Job Reference: _____

FAX No: _____ Application #

FUNCTION OF VALVE

☐ **AIRLOCK ONLY:** MINIMIZES SYSTEM AIRLOSS WHILE ALLOWING THE TRANSFER OF MATERIAL BETWEEN VESSELS WITH DIFFERING PRESSURE

☐ **FEEDER ONLY:** REGULATES THE CONTINUOUS FLOW OF MATERIAL BETWEEN VESSELS SHARING THE SAME PRESSURE

☐ **AIRLOCK-FEEDER:** MINIMIZES SYSTEM AIR LOSS WHILE REGULATING THE FLOW OF MATERIAL BETWEEN VESSELS WITH DIFFERING PRESSURE

CONDITIONS ABOVE VALVE

VALVE IS INSTALLED BENEATH:

☐ HOPPER ☐ SILO ☐ BAGHOUSE
☐ CYCLONE ☐ FLTR. RCVR. ☐ SCREW
☐ SHREDDER ☐ DRYER ☐ MIXER
☐ OTHER:

PRESSURE ABOVE VALVE IS:

☐ POSITIVE ☐ NEGATIVE ☐ ATMOSPHERIC

_____PSI _____"Hg _____"H_2O

TEMPERATURE ABOVE VALVE IS: ºF

IS VALVE CHOKE-FED? ☐ YES ☐ NO

HUMIDITY IS: ☐ HIGH ☐ AVERAGE ☐ LOW

CONDITIONS BELOW VALVE

VALVE IS INSTALLED ABOVE:

☐ HOPPER ☐ SCREW ☐ AIRSLIDE
☐ BELT ☐ CHUTE ☐ MIXER
☐ TANK ☐ VAC LINE ☐ PRES. LINE
☐ OTHER:

PRESSURE BENEATH VALVE IS:

☐ POSITIVE ☐ NEGATIVE ☐ ATMOSPHERIC

_____PSI _____"Hg _____"H_2O

TEMPERATURE BENEATH VALVE IS: _____°F

DIAMETER OF CONVEYING LINE IS:

HUMIDITY IS: ☐ HIGH ☐ AVERAGE ☐ LOW

MATERIAL CHARACTERISTICS

COMMON NAME:

CHEMICAL FORMULA:

BULK DENSITY, AERATED:_____Lbs./Cu.Ft.

BULK DENSITY, SETTLED: _____Lbs./Cu.Ft.

MAXIMUM PARTICLE SIZE:

PARTICLE TYPE/SHAPE IS:

☐ PELLET ☐ POWDER ☐ CHIP ☐ LUMP
☐ GRANULAR ☐ FLAKE ☐ CURL ☐ FIBROUS

MESH SIZE-ANGLE OF REPOSE IS: _____°

_____%THRU $^1/_2$" _____%THRU $^1/_4$" _____%THRU $^1/_8$"

_____%THRU $^1/_{16}$"_____%THRU 25 _____%THRU 50

_____%THRU 100 _____%THRU 200 _____%THRU 400

FLOWABILITY: ☐EXTREME ☐MODERATE ☐SLUGGISH

MOISTURE CONTENT OF MATERIAL IS: _____%

TEMPERATURE OF MATERIAL IS: _____°F

SPECIAL CHARACTERISTICS:

☐ HYGROSCOPIC ☐ CORROSIVE-REACTIVE
☐ EXPLOSIVE ☐ TOXIC-EMITS FUMES
☐ STICKY-SMEARS ☐ HEAT SENSITIVE
☐ AERATES-DUSTY ☐ TENDS TO PACK
☐ OTHER

ABRASIVENESS: ☐EXTREME ☐MODERATE ☐MILD

ALLOWABLE MATERIAL DEGRADATION IS %

OPERATING CONDITIONS

CONSTANT RATE OF FLOW PER HOUR:

_____Tons _____Lbs. _____Cu.Ft.

DUTY CYCLE: ☐CONTINUOUS ☐INTERMITTENT

COMMENTS:

Wm. W. Meyer & Sons, Inc.
8261 Elmwood Avenue • Skokie, IL 60077 • Phone: 847-673-0312 • Fax: 847-673-5564
web address: http://www.wmwmeyer.com