



ROTARY VALVE APPLICATION & SELECTION DATA

Many important factors determine the proper size, speed, horsepower and design features of your ACS valve. Answers to the questions below are essential to helping us tailor a proven design specifically for your application. Please review this information with your ACS Representative to assure the valve we ship will be a properly engineered and trouble-free component to your system.

Airlock

Unit does not control flow of material. Acts as air seal only

Feeder

Unit controls flow of material. No significant pressure differential

Feeder/Airlock

Units acts as air seal and controls the flow of material

WHAT IS ABOVE ROTARY VALVE ?

- HOPPER
- CYCLONE
- SHREDDER
- OTHER: _____
- SILO
- FILTER RCVR
- DRYER
- BAG HOUSE
- SCREW
- MIXER

PRESSURE ABOVE VALVE IS:

- POSITIVE
- NEGATIVE
- ATMOSPHERIC

_____ PSI _____ " Hg _____ " H₂O

TEMPERATURE ABOVE VALVE IS: _____ F°

IS THERE A "HEAD" OF MATERIAL ? YES NO

NOTES:

WHAT IS BELOW ROTARY VALVE ?

- HOPPER
- BELT
- TANK
- OTHER: _____
- SCREW
- CHUTE
- VAC. LINE
- AIR SLIDE
- MIXER
- PRES. LINE

PRESSURE BENEATH VALVE IS:

- POSITIVE
- NEGATIVE
- ATMOSPHERIC

_____ PSI _____ Hg _____ H₂O

TEMPERATURE BENEATH VALVE IS: _____ F°

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
- GRANULAR
- OTHER
- POWDER
- FLAKE
- CHIP
- LUMP
- CURL
- FIBROUS

SPECIAL CHARACTERISTICS

- HYGROSCOPIC
- EXPLOSIVE
- STICKY-SMEARS
- FOOD GRADE
- PHARMACEUTICAL
- OTHER: _____
- CORROSIVE-REACTIVE
- TOXIC-EMITS FUMES
- HEAT SENSITIVE
- AERATES - DUSTY
- TENDS TO PACK

ABRASIVENESS: EXTREME MODERATE MILD

IS SAMPLE AVAILABLE ?

FLOW RATE

MAXIMUM RATE OF FLOW PER HOURS:
_____ S-TONS _____ LBS. _____ Bshls.

IF VARIABLE FEED RATE REQUIRED: YES NO
MAX. RATE: _____ MIN RATE: _____

DUTY CYCLE: CONTINUOUS INTERMITTENT

LOCATION: IN-PLANT OUT DOORS PORTABLE

