

# SLIDE GATE / DIVERTER VALVE APPLICATION SHEET

Name \_\_\_\_\_ Title \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Email \_\_\_\_\_



Sketch of where valve fits in system:

**EQUIPMENT INFORMATION**

Opening size: \_\_\_\_\_  round  square  rectangular  
 Valve position:  horizontal  vertical  angle (specify)  
 Valve function:  open/close  intermittent position(s)  
 Will valve close through material?  Y  N  
 Cycle frequency: \_\_\_\_\_ x / hour \_\_\_\_\_ hours / day  
 Actuator required:  air  chain wheel  hand crank  
                                    electric ( TENV  IIG)  hand wheel  
 Valve will see:  NO differential pressure - gravity only  
                                    pressure - \_\_\_\_\_ psig  vacuum \_\_\_\_\_ H<sub>2</sub>O \_\_\_\_\_ Hg  
 Valve fed by:  
     Pressure upstream:  
 Valve discharges to:  
     Pressure downstream:

**MATERIAL INFORMATION**

Material conveyed: \_\_\_\_\_  
 powder  granular  other \_\_\_\_\_  
 Material characteristics:  builds up  
 packable  hygroscopic  sticky/tacky  
 Material hardness: (sand) 10.....5.....1 (flour)  
 Mat'l abrasiveness:  high  moderate  low  
 Mat'l corrosiveness:  high  moderate  low  
 Material recovery to:  
     Metal(s) \_\_\_\_\_ Polymer (s) \_\_\_\_\_  
 Weight (cu ft) \_\_\_\_\_ Particle Size \_\_\_\_\_  
 Temp of material: F \_\_\_\_\_ C \_\_\_\_\_  
 Flowability: (bridges) 10.....5.....1 (free flow)  
 Is material aerated/vibrated to assist in flow?  
 Y  N How? \_\_\_\_\_

**IF DIVERTER VALVE**

Valve diverts material from \_\_\_\_\_ source to \_\_\_\_\_ destinations (if gravity diverter)  
 Require ability to shut off both ports  Y  N  
 Std 60° off leg  optional 45° off legs  
 If flapper style:  straight line w/45° off leg  opt 30°  
 dual 45°  optional 30°  
 If pneumatic conveying:  
     Line type:  tube  pipe schedule  10  40  
     Material contact:  alum  carbon  304ss  316L

**ENVIRONMENT**

Valve is located:  indoors  outdoors  
 Is wash down performed?  Y  N  
 Temp: \_\_\_\_\_  F  C

**INSTALLATION OF EQUIPMENT**

Gate flanges:  std  SVC  ANSI  Custom  
                                   specifics: \_\_\_\_\_  
 Transition:  alum  carbon  304ss  316L  
 Valve connection:  compression coupler  
 standard flange  ANSI flange

**AIR CONTROL VALVES**

single solenoid  double solenoid  
 NEMA  4  7/9 Vltg:  110v  220v  24v  ac  dc  
**INDICATING SWITCHES**  
 NEMA 4  NEMA 4x  NEMA 7/9  
 Magnetic Reed - 3 amp 1/2 amp  
 Mechanical  Proximity

Application Data Sheet prepared by: \_\_\_\_\_ Date: \_\_\_\_\_