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___H20___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:_____