

PACO TEXTURES MEMO

TO: Bob Miller

FROM: Doug Merrill

July 20, 1973

SUBJECT: REPLACEMENT FOR BULK HANDLING ROTARY AIRLOCK

Recently a bolt in the limestone jammed our rotary airlock. The bolt scored the valve lining in several places before it jammed. I also noted that the end plates have some very deep cuts from erosion. I'm afraid this valve may become damaged beyond use in six months to a years time.

This is a custom made valve so if it goes out we could be down for sometime.

Our blow-through valve has a 12 inch diameter, a 1 hp motor and rotates at 25 RPM. It is rated at 15 tons of limestone per hour at 50% pocket fill.

I would like to get a valve now so that when our valve does go out we will only lose the time necessary for installation. This should be a standard valve so that parts would be readily available. I would also like to go to a drop through type to reduce the wear.

I have had a few airlock representatives in to give recommendations and bids. They vary somewhat in both as noted below.

Salina:

Velmac - Harry Sals (421-9655)

10" Drop Thru - Heavy Duty valve
37,800 lbs. per hr. @ 70%/cu. ft.
operate at 25 RPM. 70% pocket fill
10 vains, no hub.
\$651.00 for valve
\$352.00 for 3/4 hp motor

\$1003.00 F.O.B. Salina, Kansas 6 week delivery
5 day normal delivery on parts.

Fluidizer:

Pacific-Western

Reggie Pomicipic (467-7122)

12" Drop Thru - Heavy Duty valve
15 Tons per hour
operate at 11-20 RPM.
close end rotor
1 1/2 hp motor
\$3254.00 Total

F.O.B. Hopkins, Minnesota
4 to 8 week delivery.

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Senco

A.A.A. Air Inc.

Henry Pierik (583-5447)

12" Drop Thru - Airlock

15 Tons per hour @ 80% pocket fill

adjustable rotor tips

3/4 hp motor

\$605.00 Valve

\$180.00 Motor w/drive

\$ 60.00 Purge Lines

\$845.00 Total F.O.B. Houston, Texas

\$145.00 For Drop-Thru feeder

2 to 4 week delivery

Extra \$150.00 for closed end rotor.

Sprout-Waldron

14" Standard Model \$1160.00

14" Fabricated Valve
abrasion resistant steel \$1248.00

14" S-R Valve
closed end rotor
heavy duty construction
1 hp motor

45 RPM.

\$1496.00 F.O.B. Muncy, Pennsylvania

4 to 6 week delivery

Considering the above information I would recommend a Senco Airlock Valve. It should have adjustable blade tips and a closed end rotor so that air could be purged on the end plates and bearings to minimize wear. This will cost \$1140.00 for the valve, motor, drive and the drop thru feeder.

If you approve, I will ask Russ to review actual measurements to assure that there will not be any problem with clearance and making modifications.

DWM/jlb

cc: W.E. Moore
Russ Pugh

Attachments (4)

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