



BOTTOM DROP ADVANTAGE

BENEFITS

- 28 TONS/LOAD
- SAFETY & THROUGHPUT
- SINGLE FLOW EFFICIENCY
- SILICA TESTING BELOW OSHA REQ.
- NO BLOWER NEEDED
- FEWER DRIVERS NEEDED
- HIGHER TRUCK UTILIZATION



MODIFIED PNEUMATICS

GATE SIZE	OFFLOAD TIMEFRAME	BLOWER NEEDED
4"	15-20 MIN	YES
6"	11-15 MIN	YES
8"	6-8 MIN	NO
12"	5-6 MIN	NO



PLG BOTTOM DROP

GATE SIZE	OFFLOAD TIMEFRAME	BLOWER NEEDED
24X26* <small>*25" CLEARANCE</small>	4 MIN	NO

ASSUMPTION: PAIRED WITH BOTTOM DROP OFFLOADING SYSTEM TOP FILL OFFLOAD RATE OF 400 TONS PER HOUR. TOP FILL UNLOADS A 28 TON BOTTOM DROP IN LESS THAN 5 MINUTES.





BOTTOM DROP ADVANTAGE

BOTTOM DROP VS. MODIFIED PNEUMATICS



LOAD TIME (MIN)	25	15
TOTAL TRANSIT TIME (MIN)	240	240
OFF LOAD TIME (MIN)	15	4
CYCLE TIME (MIN)	280	259
CYCLE TIME (HOURS)	5	4
MAX ASSET TURNS/12 HR SHIFT	2.00	2.50
TONS/LOAD	24.5	28
MAX TONS DELIVERED/12 HR SHIFT	49.00	70.00
LOADS REQUIRED/DAY	101	88
MIN DRIVERS REQUIRED/DAY	51	35
# TRUCKLOADS/JOB	1616	1414

JOB ASSUMPTIONS: MILEAGE: 121; PUMPING DAYS: 16; TONS/DAY: 2475; TOTAL TONS FOR JOB: 39,600

STATEMENT: PAIRED WITH BOTTOM DROP OFFLOADING SYSTEM TOP FILL OFFLOAD RATE OF 400 TONS PER HOUR. PLG UNLOADS A 28 TON BOTTOM DROP IN LESS THAN 5 MINUTES.

4 MINUTE OFFLOAD EVERY TIME

BOTTOM DROP VS. MODIFIED PNEUMATICS



LOAD TIME (MIN)	25	15
TOTAL TRANSIT TIME (MIN)	180	180
OFF LOAD TIME (MIN)	15	4
CYCLE TIME (MIN)	220	199
CYCLE TIME (HOURS)	4	3
MAX ASSET TURNS/12 HR SHIFT	2.73	3.02
TONS/LOAD	24.5	28
MAX TONS DELIVERED/12 HR SHIFT	66.82	84.42
LOADS REQUIRED/DAY	82	71
MIN DRIVERS REQUIRED/DAY	30	24
# TRUCKLOADS/JOB	2041	1786

JOB ASSUMPTIONS: MILEAGE: 60; PUMPING DAYS: 25; TONS/DAY: 2000; TOTAL TONS FOR JOB: 50,000

STATEMENT: PAIRED WITH BOTTOM DROP OFFLOADING SYSTEM TOP FILL OFFLOAD RATE OF 400 TONS PER HOUR. PLG UNLOADS A 28 TON BOTTOM DROP IN LESS THAN 5 MINUTES.

REDUCES NUMBER OF TOTAL LOADS BY

20%

