

**LP SERIES  
LOW PROFILE PLANT**



## HAGAN LOW PROFILE PORTABLE BATCHING PLANT

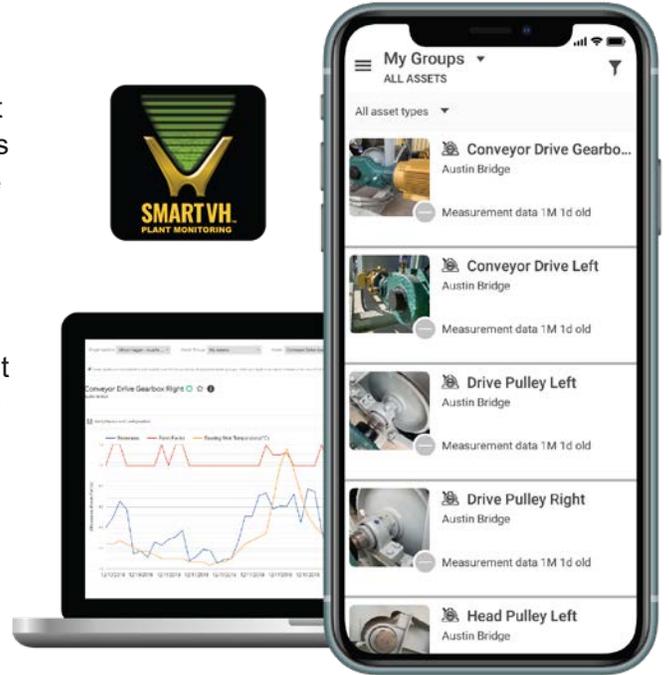


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# SMART PLANT TECH MINIMIZE COSTLY DOWNTIME

With the use of wireless technology, key elements of batch plant equipment can be monitored with a mobile device. Vital statistics of multiple mechanical components can be monitored to provide meaningful information on the condition and performance of your equipment. Users can identify potential problems before they happen, mitigating risks of potential plant downtime and allowing maintenance to be planned based on actual needs, rather than on generic schedules. The lifetime of your equipment is extended, your maintenance cost are reduced and unplanned downtime of equipment is virtually eliminated.

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## LP-DC SERIES LOW PROFILE DIRECT CHARGE

Allows a front-end loader to charge aggregate in bins

## STANDARD FEATURES

**Overhead Aggregate Bin:** 60 to 200 ton (heaped). Bin sides fold for shipment up to 100 tons. Heavy duty double clam discharge gates with 4" x 10" cylinders (2 gates per compartment).

**Aggregate Weigh Batcher:** 12 cubic yard batcher suspended from 4 load cells with two heavy duty double clam discharge gates, 4" x 10" air cylinders, solenoid air control valves with inching control, and air vibrator.

**Overhead Gravity Cement Silo:** 300 to 1000 Barrel (4 Cu. Ft./Bbl.) with 4" or 5" air fill pipe, manual pressure relief valve, piped aeration system, emergency slide gate, air operated butterfly discharge gate, atmospheric vent, material level indicator and silo ladder with safety cage. Two compartment split silo are available in 600, 800, 1000 and 1200 barrel.

**Cement Weigh Batcher:** 12 cubic yard batcher suspended from 4 load cells with air operated 10" butterfly discharge gate, piped aeration system, bolted inspection door, air operated vibrator, and 8" vent.

**Batch Transfer Conveyor:** 30" and 36" belt with 35 degree idlers, vulcanized rubber lagged head pulley, self-cleaning wing type tail pulley, skirt boards, TEFC electric motor with reducer and backstop, discharge hood with concentric discharge into truck mixers, and 12'- 13.5'- 14' discharge steel clearance without shroud.

**Water System:** 2" or 3" electronic water meter with strainer, and piping to discharge hood. (Weighed water system or surge tanks optional.)

**Air System:** 10 to 25 HP air compressor with 80 to 120 gallon receiver, 5 HP aeration blower.

**Electrical:** Plant wired for 460V/3PH/60HZ power and includes motor starters, fuses, main disconnect, NEMA enclosure, water meter counter, and wiring in EMT conduit. Electric solenoid air control valves with manual overrides. (Special local power voltage requirements available upon request as option.)

**Paint:** Equipment primed and finish painted with high quality epoxy primer and a two part urethane paint.

**Standards & Codes:** All Vince Hagan plants and components are rated and plated to meet or exceed CPMB, NRMCA, NTEP, NEC standards and UL stamped electrical panels.

## QUALITY & PERFORMANCE

The [Haganator Travel-All](#) has an industry reputation for quality performance, design, and longevity. Vince Hagan Company's [LP series](#) is built in the same tradition of excellence as the first [mobile batching plant](#) in 1956. Right down to the smallest details of conduit wiring, 4" x 10" air cylinders, clean out ports, and manifold grouping of high quality solenoids with built-in manual override which enable continued operation of the plant if automation problems occur.

# LP SERIES FEATURES

- › 10 to 25 HP air compressor system includes pressure regulator, lubricators, and moisture trap.
- › Badger 2" or 3" turbo water meter system with stand pipe and inlet strainer. (Weighed water system optional)
- › Production rate: 120-200 cu. yd. hour
- › All wiring in EMT conduit.
- › NEMA rated enclosures.
- › Main power panel includes main disconnect, fuses, heaters, motor starters and 110 volt transformer.
- › 400 to 1000 bbl. silo capacities (Split silos optional)
- › Manual emergency slide gate on cement silo.
- › Optional bin signals (fixed or adjustable).
- › Spring loaded cement silo pressure relief valve.
- › Optional two-compartment silo separated by a double steel wall with channel bracing and weep holes.
- › Externally removable aeration pads.
- › 10" butterfly gates on cement silo and cement batcher. (Adjustable on batcher.)
- › 30" and 36" wide batch belt running at 350 FPM
- › Hagan discharge hood.
- › Sealed-for-life 35 degree idlers and return rollers
- › Vulcanized rubber lagged head pulley and wing type self-cleaning tail pulley.
- › 60 to 200 ton three and four compartment aggregate bins.
- › Plant is pre-piped for air system. Provides fast performance of all air cylinders, vibrators and aeration. Lubricators assure system reliability.
- › Industry standard in water meter components. Stand pipe eliminates water hammer. Strainer provides continuous operation.
- › Meets NEC, NEMA and UL approved. Eliminates potential for vandalism and excessive wear common on plug and cord wired plants.
- › High quality enclosures for power panel and manual or computerized control panels.
- › Provides convenient hook up of 460V/3PH/60HZ power to operate the plant motors and controls. Other voltages available. Special local power requirement available as an option.
- › Silo ships with cement batcher module attached as one load of freight for ease of delivery.
- › Provides backup system to troubleshoot cement silo and discharge gate.
- › Maximum flexibility for monitoring cement consumption and ordering requirements.
- › Prevents over pressurizing silo beyond design limits.
- › Heavy duty double wall design prevents failure that could result in contamination of cement. Pressure tested at the factory.
- › Aeration provides optimum cement flow. Easily serviced by removing from the exterior.
- › 1/4" sloping sides and 3/16" vertical sides in aggregate bin and aggregate batcher.
- › Heavy duty wide-flange beam construction
- › Double clam gear segmented bin and batcher discharge gates with 1" thick gear quadrants with grease fittings and 3/8" gate leaves with 1" x 3/4" stiffener bars.
- › Steel sloping aggregate bin and aggregate batcher sides.
- › Dual double clam aggregate batcher gates and air vibrator.
- › Rebuildable air cylinders throughout.
- › 12 yard cement, aggregate and water weigh batchers.
- › Heavy duty steel plate in high wear areas.

# LP SERIES BENEFITS

- › CPMB, NRMCA & NTEP rated and plated.
- › Meets and exceeds industry standards and specifications.
- › High quality center-line valves provide high degree of reliability and ease of repair.
- › High speed discharge of aggregate into ready mix trucks. Sized to match required low, moderate, and high production capacity needs.
- › Blending of aggregate, cement and water provides faster mixer loading and reduces dust emissions.
- › Name brand High Quality components for longer life and less maintenance.
- › Long lasting performance.
- › Aggregate bin up to 100 tons travel on aggregate module. Over 100 ton storage adds a load of freight. (CPMB rated.)
- › Heavy duty structure assures minimal damage from potential impact from wheel loaders or mixer truck.
- › Basic design assures trouble free operation and long wear life.
- › Directs material flow in vertical column directly above gate opening which reduces wear and increases batching speed.
- › Provides enhanced blending of aggregates on batch belt for faster loading and mixing in transit mixers.
- › Heavy duty components can be conveniently rebuilt.
- › Suspended from 4 load cells with isolators for surge protection. (CPMB rated.)





## OPTIONAL ITEMS

- › [Silo Top or Central Dust Collection Systems](#)
- › Running Gear Assembly
- › Manual Controls with Digital Displays
- › Automation Systems
- › Bin Charging Conveyors with Turnhead or [Radial Stacking Conveyors](#)
- › [Auxiliary Cement/Fly Ash Silos](#)
- › [Cement/Fly Ash Screw Feeders](#)
- › Optional Wiring
- › [Concrete Material Reclaimers](#)
- › Consult Factory for Special Options.



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