

## PRODUCT OVERVIEW

### MATERIAL HANDLING SYSTEMS TYPE PCH

After supplying hopper loading equipment for the last five years integrated within the Gravimetric control system we have now launched the latest version of the system. The PCH type vacuum loader offers efficient suction capability with a specially designed valve minimising pressure loss with simple vessel construction for customer adaptation of the suction pipe and material inlet position. The PCH unit is constructed in high grade stainless



PCH Loaders and Ballast Hoppers mounted directly on to the weighing hopper.

steel and can be supplied with matching ballast hopper for floor mounting or mounting directly onto the Gravimetric frame.

The PCH can be supplied in several sizes and pipe inlet diameters depending on application and is suitable for both Side channel and Claw/Rootes type pumps. The PCH loader is fitted as standard with a steel mesh filter for larger particles and central filter unit with PP washable filter and compressed air blow down, or with a PP filter built into the loader. The loader control Hardware and software is supplied either integrated into the Gravimetric control system or as stand alone for factory wide applications. Each controller can handle up to 32 components and two individual suction circuits. Dual controller function with automatic sequencing is also an option for line controlled based systems.



Material Handling System control screen with Touch screen function

## SIMPLE CONSTRUCTION

The simple construction of the PCH Type loader offers easy set-up with 360 degree positioning of the suction pipe and material inlet .

Magnetic catch inspection lid allows easy access to the suction valve and valve filter without the need of any tooling and without the risk of suction loss due to incorrect re-assembly.

The control valve and electronics are mounted directly on the loader offering local override and LED indication of demand / suction. Optional inspections windows are also available.



## FACTORY WIDE INSTALLATIONS

In addition to supply of the loader equipment we also offer a complete turn key service from design and installation. Sourcing high quality fittings and tubing with a selection of either Side channel or Claw type vacuum pump.



## NAVIGATOR PIPE IDENT

The pipe identity system reduces the risk of incorrect material feed and its consequences, by utilising a wireless tagging system for each flexible coupling. Using 128 bit encryption the capacity of the system is virtually unlimited. Each pipe is given a unique number and by setting up associations with a manifold number the system prevents the loader sucking material if it is incorrectly connected.

The pipe coupling also illuminates a red LED if the incorrect pipe is connected to the manifold number.

Custom applications will also be considered.



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