Diamond Key International

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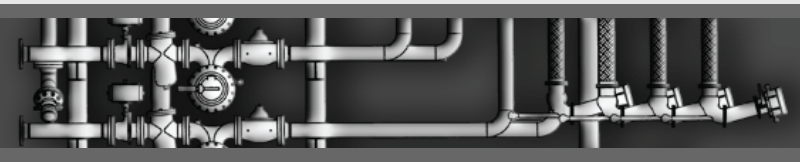


SlimLine Metering Modules

The DKI SlimLine Metering Module uses a unique T rack design which has evolved from an industry requirement for a space efficient module.

This module will fit beneath your top loading platform and can be easily piped into existing top loading arms. The design allows a simple upgrade for the future in converting to bottom loading.

The SlimLine Metering Module comes fully wired and tested and can be installed into an existing top load gantry where no metering exists. The outlet pipes are then connected to the existing loading arms or pipes and the supply lines connected to the inlet. A control system is supplied on a mounting frame and is pre-wired, this frame is mounted on the existing top load platform and connected to the new metering module. You now have a top load gantry with metering and control.

If at a later date you decide to convert to full bottom loading, simply remove the control module from the platform, take away your platform, and purchase the SlimLine Bottom Load Conversion Module to connect to your outlets. The control module and the change from top load to bottom load has been completed with minimal down time and virtually no regret cost.

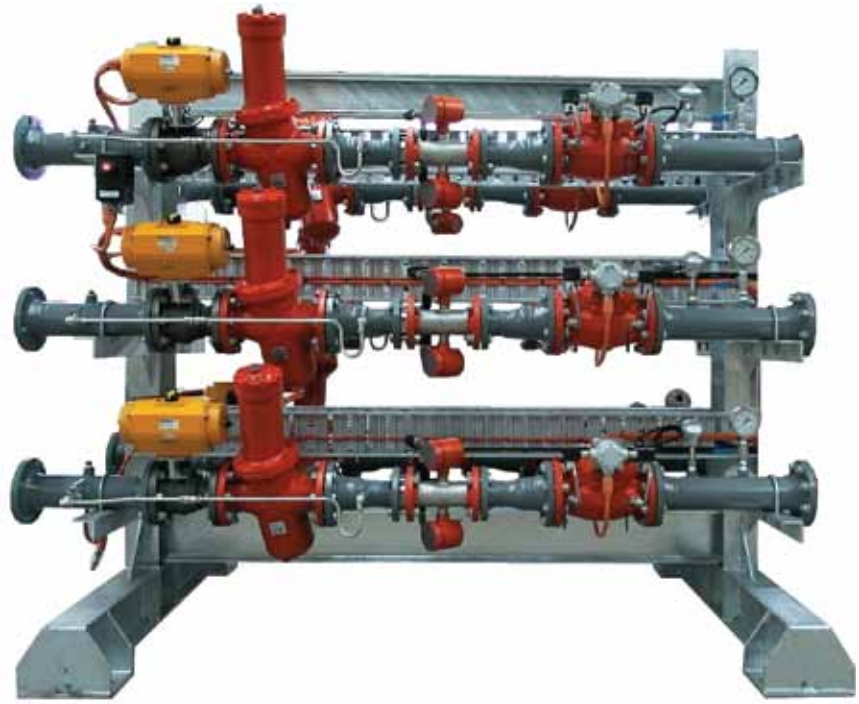
Maintenance is always a concern, as you will see the SlimLine module has been specifically designed to allow your maintenance staff fast, safe and clear access to all components making your scheduled maintenance and down time minimal.

Features

- Total turnkey solution, prefabricated and pre-tested, incorporating all framework, galvanising, electrical, pipework, painting, instrumentation, hydraulics, air reticulation and computerisation.
- All manufacturing and fit out disciplines are completed, inspected and tested under AS/NZS ISO9001:2008 Quality Controlled procedures at Diamond Key International works.
- Complete customer Factory Acceptance Test reporting and witnessing if required. FAT covers complete turnkey solution from hydrostatic testing through to computerisation and network testing as applicable.
- All components are certified for use in Class 1 Zone 1 Hazardous areas.

Safety

- Integrated Overfill Protection System.
- Emergency stop systems are fully integrated into the design and are installed and tested as part of the turnkey process.
- All pipework and wiring is constructed, inspected and tested to all relevant Hazardous Area Standards.
- Deadman Button for bottom loading.



Wiring

All wiring is carried out to Class 1, Zone 1 Hazardous Area Standards. Only specifically trained and qualified Electricians are employed and all work is carried out to AS/NZS ISO9001:2008 controlled procedures.

- Steel wire armoured cabling for all high voltage wiring.
- All Intrinsic Safe wiring to International Standards for separation, identification, termination and cable type.
- Mechanical protection and integrity for wiring provided by Integral wiring and cable trays designed for maximum simplicity of access and ease of maintenance.
- Specific vulnerable wiring is enclosed in rigid conduits.
- Cable tagging and identification of all terminations.
- 100% Factory testing of all wiring and terminations.
- Fully glanded Explosion Proof connections to all Ex'd enclosures.

Structural

- All framework Hot Dip Galvanised for maximum environmental protection.
- Full compliance and inspection to Australian Standards AS-1650.
  - Special designs allow for hot procession without distortion.
  - Large process availability means that gantry frames do not have to be fabricated in small pieces.
- Structure design has been fully developed and assessed compliant for use in Tropical Hurricane prone regions. Australian Standard Zone 4 cyclone rating.

Pipework

- All pipework constructed to International Standards ASME IX 2001 depending on requirement.
- Fully qualified pipework welders to International Standards ASME IX 2001. All welders are regularly reviewed and tested under AS/NZS ISO9001:2008 Quality Assurance procedures.
- X-ray welding inspection and testing of all gantries. Complete welding traceability records maintained.
- Hydrostatic testing to ASME B31.3

Painting

- All Pipework is prepared for painting by shot blasting and/or sandblasting to AS1627.4 Class 2.5 and is primed with appropriate primer for top coat.
  - Top coat: Two Pack re-coatable polyurethane enamel.
  - Colour: RAL 7031 Blue Grey.
  - The three coat process is fully maintained to AS/NZS ISO9001:2008.

General

- Modular arm layout to facilitate latter addition of more loading arms.
  - Arm points can be pre-wired to even further simplify future upgrades.
- Adaptable assembly process to integrate customer supplied (free issued) or OEM supplied components if required.
- Integral air reticulation system for PIV's and Emergency shutdown systems if required.
- Fully wired Flame Proof Lighting.
- Vapour Removal System installed or provided for, to enable future upgrading.

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