

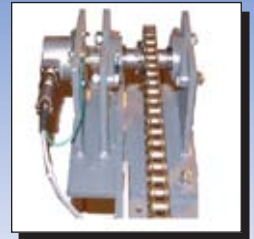
Columbia

Rack Loader/Unloader Systems - (UL)

UL CONVERSION KITS:

- UL Relay to PLC Controls Conversion Kit (Encoder):**

This conversion is designed to be used in conjunction with Encoder Positioning on Lift Cylinder on the Loader/Unloader Towers. Includes; two Encoders and encoder cables, Allen Bradley SLC5/03 Programmable Logic Controller, analog output card, Panelview Color Operator Interface for setting height positions, control selector switches for jogging - Loader/Unloader carriage forward/back, forks up/down, Rack Conveyor forward/reverse, Elevator up/down, Green Conveyor manual/off/auto, Pallet Return Sections man/auto, E-Stop, Reset, and Automatic.



- Proportional Valve Conversion Kit for UL Lift Cylinder (Forks):**

Designed to replace the indexing tree on the Loader/Unloader towers, to be used in conjunction with the Encoder Positioning - Allen Bradley PLC conversion.

| <u>Machine Model No.</u> | <u>Kit No.</u> | <u>Description</u> |
|--------------------------|----------------|-------------------------------|
| 307.210. series | 382.1035.1.xxx | Proportional Valve Conversion |
| 307.218. series | 382.1035.1.xxx | Proportional Valve Conversion |



- Drape Hose Conversion System for UL:**

This kit is designed to replace the current internal reciprocating hoses, and electrical cord (between loader/unloader carriage and towers) with exterior mounted drape hoses. Includes; free-standing post, terminal brackets, hoses, fittings to connect to existing manifold.

| <u>Kit No.</u> | <u>Description</u> |
|----------------|-----------------------|
| 382.1126.1.xxx | Drape Hose Conversion |



Note: Proportional Valve conversion and Drape Hose conversions are designed for Loader/Unloader towers with mechanical no. 307.210. & .218. series, (UL20, UL26 & UL37).

For more information on Columbia's Conversion Kits please visit www.columbiemachine.com or call us at **1-360-694-1501** x573

CONVERSION KITS:

- **Loader/Unloader Outboard Valve Conversion Kit:**
Our Outboard Valve conversion kits available for your two and three block Columbia Loader/Unloaders replace your center mounted Columbia valve with outboard mounted self centering Parker valves.

Benefits and Features:

- Safety with self-centering valves
- Valves shift smoother reducing wear, or product damage
- Fewer moving parts reduces maintenance costs
- Parker valves are the industry standard
- Readily available parts

| <u>Columbia Valve No.</u> | <u>Kit No.</u> | <u>Where Used</u> |
|---------------------------|----------------|-------------------|
| 307.1.26 | 382.232.27 | 2 Block Systems |
| 307.1.26 | 382.232.29 | 3 Block Systems |



- **UL Relay to PLC Controls Conversion Kit:**
UL Relay to PLC, for use with Loader/Unloader System is designed to replace existing relay controls. Includes; Allen Bradley SLC5/03 Programmable Logic Controller, Panelview Color Operator Interface for timing functions, control selector switches for jogging - Loader/Unloader carriage forward/back, forks up/down, Rack Conveyor forward/reverse, Elevator up/down, Green Conveyor manual/off/auto, Pallet Return Sections man/auto, E-Stop, Reset, and Automatic.



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