

# SERIES INTEGRA

**KIRTON**  
WHEREVER WATER IS RECYCLED



## KIRTON INTEGRA COMBINATION RECLAIM SYSTEM AND 3 STAGE INTERCEPTOR

- ~ Transportable system
- ~ Fully enclosed option
- ~ Minimal civil costs
- ~ Low maintenance and capital costs
- ~ Partial and full reclaim options

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## INTRODUCTION

Kirton Engineering has been manufacturing vehicle wash water recycling systems for over a quarter of a century, and thousands of systems are installed worldwide. The Integra system is designed to recycle the water from commercial washes of either roll-over or drive through type. In addition to providing excellent water quality results within its standard operation, the Integra range can also be specified with an RO spot free rinse to eliminate the white spotting and streaking that can appear especially on windows. The Integra system is generally installed on bus and coach washing systems.

## FEATURES

The equipment is designed to operate with commercial or forecourt brush machines using hot and cold waxes, shampoos and rinse acids. Chemicals must be approved by us for compatibility. The treatment plant consists of split stainless steel tanks mounted with a common base plate. The plant utilises multi-cyclone solids separation, activated carbon filtration with the option of spotless rinse and electroflocculation.

## CONSTRUCTION

Fabrication in stainless steel grade 304D. The unit is available in a fully enclosed option with frost protection.

## ADVANTAGES

The Integra system combines all of the benefits of a full or partial reclaim and includes the above ground three stage interceptor all incorporated into a single stainless steel module. This is ideally suited to sites where excavations are difficult.

## OPERATION

Water used during the vehicle washing and rinsing cycles is collected in either a mini sump, a standard manhole or out of the wash pad silt trap. Wash water is then pumped to the first stage of the Integra unit. After passing through the three stages of settlement the wash water passes through a multi-cyclone to remove finer solids. As a partial system this water is now ready to be recycled as wash water. To provide full reclaim on forecourts, the water can be electroflocculated to breakdown waxes and then filtered through activated carbon to remove residual organics such as shampoo prior to recycle as rinse water.

Model	Flowrate		CVA Dims MTS	Weight Empty (kg)	Weight Full (kg)
	LPM	GPM			
Partial	155	35	2.4 x 1.8 x 1.5	1250	5250
Full (commercial)	155	35	2.4 x 1.8 x 1.5	1250	5250
Full (forecourt)	155	35	2.4 x 1.8 x 1.5	1250	5250