

# Rotating Half Bridge Scraper

Half Bridge Scrapers

Picket Fence Thickeners (PFT)

Grit Traps

Dissolved Air Flotation (DAF) Units

Surface Rotors / Aerators

Rotating Bar Interceptors (RBI)

Tipping Buckets

Dissolved Aerations

Penstocks / Stoplogs

Packaged Pump Stations

Response Group

Equipment  
Data Sheet #: 11



## Recent Installations

- Bantry WWTP
- Bunclody WWTP
- Ballynoe WWTP
- Cloughduv WWTP
- Ballyfarnon WWTP
- Gurteen WWTP

Response Group manufacture Rotating Half-Bridge Scrapers suitable for radial flow settlement tanks ranging in diameter from 6 metres to 30 metres. These Scrapers will collect primary or secondary sludges to a central hopper for removal and further treatment. Scraper blade design and blade tip speed of rotation are suited to the nature of the sludge to be collected and removed. Scraper blades can be fixed, trailing or hinged, with hinged design selected where reduced blade wear is desired. All scraper blades are removable and renewable.

The basic scraper installation includes, bridge, centre steel tripod, end carriage, diffuser drum and underwater scraper assembly. The half-bridge scraper rotates about a central pivot and the outer end comprises the carriage which houses the bridge drive and wheel assemblies. Scrapers are positioned to create a spiral pattern which directs sludge towards a central collecting hopper.

## Key Features

- Tubular Steel Central Support
- RHS Bridge Construction
- Styrene Butadiene Blades
- GRP Diffuser Box
- Galvanised MS V-notch Weirs
- Galvanised MS Scum-boards & Box
- Weir & Channel Cleaning Facilities
- Scum Skimming & Removal
- Electrical Slip-Ring Collector
- Emergency Stop Button
- IP 55 Protection

## Optional Features

- Peripheral Speed Choice
- Side-wall Scrapers
- Winch-up Scraper Blades
- Continuous or Automatic Desludging
- End Carriage Control Panel
- Park Position Switch
- Bridge Access Ladder
- Aluminium or S/S Weir Plates
- Aluminium or GRP Bridge Decking
- Hinged Scraper Blades
- Fixed or Rotary Channel Brushes



Further information on our full range of products can be obtained at our website [www.response-group.ie](http://www.response-group.ie)