



Compact Reagent Plant

SIZES AND CAPACITY @ 0.1% MAKEUP  
AND 1 HOUR HYDRATION TIME

Description	Capacity
Compact 2.5	1.4 kg/hr
Compact 4.5	2.77 kg/hr
Compact 9.5	5.6 kg/hr
Compact 17.5	9 kg/hr

Contact Information & Address

+27 82 415 0344    info@mechprotech.co.za  
+27 11 914 5880    www.mechprotech.co.za  
22 Van Dyk Road, Benoni



# HYDRAMIX REAGENT PLANT

MPT DESIGN AND FABRICATION





## HYDRAMIX REAGENT PLANT

The HYDRAMIX REAGENT PLANT is a MechProTech OEM product and is manufactured in-house, at our workshop in Benoni, South Africa.

### Types of HYDRAMIX REAGENT PLANT

- ✓ Tank Farm Reagent and Floc Plant
- ✓ Compact Reagent and Floc Plant

### HYDRAMIX Tank Farm

The Hydramix Tank Farm offers Mixing & hydrating of powered & liquid reagents up to 500 kg/ hr.

The Hydramix Tank Farm three tank cycling design minimises volume required and allows +/- 60% capacity with one tank offline. Hydramix Hi-rate floc plants have the following features:

- ✓ Fully integrated plant including loading system for reagent access stair and platform and post dilution of hydrated solution
- ✓ Water based transport of reagent minimises capital cost because no blowers and rotary valves required
- ✓ Open mixing system easy to clean and inspect for blockages
- ✓ High power mixing of reagent and liquid
- ✓ Sloped tankage ensures ease of cleaning



### Tank Farm Reagent Plant – Product List

#### SIZES AND CAPACITY @ 0.1% MAKEUP AND 1 HOUR HYDRATION TIME

Size	Capacity
3 x 8	12.5 kg/hr
3 x 10	15 kg/hr
3 x 15	22.5 kg/hr
3 x 22.5	33.5 kg/hr
3 x 32.2	42 kg/hr
4 x 175	260 kg/hr

### COMPACT REAGENT

The Hydramix compact plant offers a cost effective Mixing of powder & liquid reagents up to 9kg/hr at 0.1% make up solution & 1 hr hydration time. Mobile mixing and hydrating system and have the following features:

- ✓ Completely self-contained including control system.
- ✓ Built in lifting points for easy relocation.
- ✓ Self-contained cover structure option for hostile environments.
- ✓ Overflow containment and diversion to a single point from all tanks makes overflow management simple.
- ✓ Baffled hydrating tank prevents short circulating.
- ✓ Fully or semi-auto options to suit client requirements

