

# HDPE NOZZLES AND SCREENS

Directional nozzles and outlet screens can be fitted by divers; however the appropriate pipework will need to be isolated for the installation period as a safety precaution.

Concrete walls and floors can be drilled underwater to fit SS anchor bolts and base areas can be effectively sealed using potable approved epoxies.

Adaptor plates can be made onsite from HDPE to suit any unusual flange patterns encountered during the installation process.

The outlet screen provides a safety barrier for divers and prevents floor sediments from entering the pipework

The directional inlet nozzle is fitted with a stainless steel Ramtube to ensure efficient blending of the stored water and also to provide a safety screen for divers, during a backflow event



## Directional Nozzles

Directional nozzles place inlet water into a pre-determined pattern to prevent short-circuiting and sediment disturbance, while maintaining an even mix of stored water to prevent ageing and deterioration.



## Ramtube

The Ramtube has been designed to improve both water quality and safety. It is attached to the discharge point of directional nozzles and two way nozzles to increase the entrained water flow, whilst providing a safety screen for divers.



## Two Way Nozzle with Ramtube

Common inlet outlet configurations can cause short circuiting within a tank. A two way nozzle is cheaper and more effective than fitting additional pipework to create separate penetrations



## HDPE Adaptor

Steel tanks without flanges fitted to wall penetrations can have an HDPE adaptor spigot fitted. This unit clamps inside the penetration and allows screens and nozzles to be bolted into position.



## HDPE Outlet safety screen

Many outlets are level with the floor area, allowing sediments to enter the pipework. Our safety screens include a riser area at the base and the correct amount of holes to remain self-cleaning, whilst not restricting water flow out of the tank. Base sections can be customised to fit over larger bellmouth penetrations.



## AQUAFACETS

### Safety Screens:

Installing screens on tank outlets enables diver cleaning to be conducted safely whilst tanks remain on-line. Well designed and fitted screens also prevent sediments from entering the downstream reticulation system.



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