

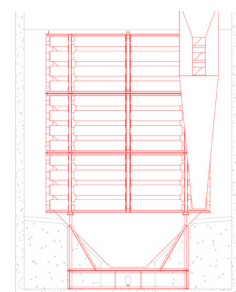
Grit Removal Equipment

Hydro-Dyne has a long history of supplying grit removal systems to the municipal wastewater industry. A wide range of products are available to suit grit removal needs. Hydro-Dyne excels at integrating screening and grit together for a comprehensive preliminary treatment system.

Sand Sharks are known for their unique hunting strategy and tendency to swim near the shoreline in the surf zone. Our Sand Shark line of grit removal equipment also feels at home in sandy environments and are skilled predators with their highly efficient ability to remove grit particles in a variety of wastewater flow rates.

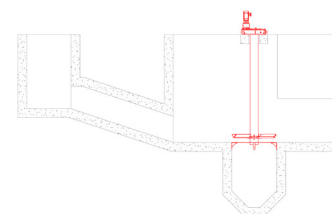
Sand Shark Circular Stacked Tray (CST)

Fine Grit Removal	Grit Removal Capacity	95% of 75 micron particles (2.65 g/cc) at avg flow
	Sizes	6', 9' and 12' in diameter trays
	Peak Daily Flow Capacity	To 20 MGD (876 L/s)
	Peak Instantaneous Capacity	To 20 MGD (876 L/s)
	Materials	304/316 stainless steel in concrete or stainless tank
	Configurations	270 or 360 degree Inlet/Outlet



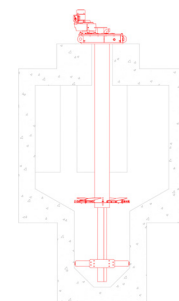
Sand Shark Stirred Vortex Propeller (SVP)

Coarse Grit Removal	Grit Removal Capacity	95% of 200 micron particles (2.65 g/cc) at avg flow
	Sizes	To 24' diameter concrete settling basin
	Peak Daily Flow Capacity	To 70 MGD (3,066 L/s)
	Peak Instantaneous Capacity	To 70 MGD (3,066 L/s)
	Materials	304/316 stainless steel in concrete or stainless tank
	Configurations	270 or 360 degree Inlet/Outlet / Flat Floor Design



Sand Shark Stirred Vortex Impeller (SVI)

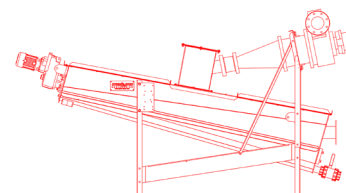
Coarse Grit Removal	Grit Removal Capacity	95% of 300 micron particles (2.65 g/cc) at avg flow
	Sizes	To 24' diameter concrete settling basin
	Peak Daily Flow Capacity	To 70 MGD (3,066 L/s)
	Peak Instantaneous Capacity	To 70 MGD (3,066 L/s)
	Materials	304/316 stainless steel in concrete or stainless tank
	Configurations	270 or 360 degree Inlet/Outlet / Flat Floor Design



Dewatering systems can be used interchangeably with grit traps to produce dewatered grit suitable for the treatment site. Hydro-Dyne offers a grit classifier for basic dewatering and a grit washer for improved organic removal.

Sand Shark Grit Classifier (GC)

Dewatering	Grit Removal Capacity	95% of 75 micron particles (2.65 g/cc) at avg flow
	Sizes	250 gpm and 500 gpm capacity
	Materials	304 or 316 Stainless Steel
	Organic Removal	Included
	Operation	Intermittent in most cases
	Dewatering Capacity	To 60% solids by wt.



Sand Shark Grit Washer (GW)

Dewatering & Washing	Grit Removal Capacity	95% of 75 micron particles (2.65 g/cc) at avg flow
	Sizes	250 gpm capacity
	Materials	304 or 316 Stainless Steel
	Organic Removal	Up to 95% removal
	Operation	Intermittent in most cases
	Dewatering Capacity	To 60% solids by wt.

