

TOWNLEY

Engineering & Manufacturing Co., Inc.

RUBBER PRODUCTS

DREDGING QUESTIONS

Townley provides a wide variety of products to the dredging industry creating unique solutions to wear problems encountered in this severe service: from the media transported to continuous exposure to the most extreme elements, Townley will exceed your expectations.



Typical Applications

- *Offshore dredging*
- *Beach reclaim*
- *Mining of sand & silica*
- *Dewatering*
- *Water makeup*

Floating Hose

Townley is one of the largest hand-crafted hose manufacturers in North America and has produced high quality hose for the dredging, dewatering and sand mining industry for more than 30 years.

Specifications

Townley will construct the hose to your specifications:

- Up to 40 foot length
- ID 8" to 36"
- 150# or 300# flanges
- 50 to 150 PSI standard operating pressure
- Full suction and discharge service
- Wear tube thickness from 1/2" to 1"
- Wear tube available in gum, SBR and neoprene depending on the application conditions

Construction

A floating hose is built to customer dimensions and process specifications from the inside out, starting with a true I.D. mandrel to define the wear-tube, followed by bias-wound fabric, spring wire and a wrapped flotation layer that is then capped with a resilient outer cover.

The hose application dictates the final composition and construction methods of the finished hose.



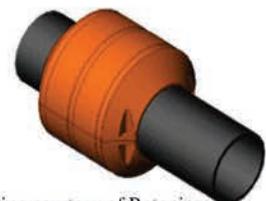
Buoyancy Control

Townley's floating hose is engineered to float at the buoyancy level defined by the customer. Our engineering department takes into account the weight of the hose, weight of the media during operation and finally the height above the waterline required. Typically the hose body will float about 1/3 or less above the waterline.



Poly Collars

If more flexure is required, Townley can construct a standard flexible dredging hose and provide a sufficient number of poly collars to float the hose at the level desired.



Drawing courtesy of Rotonics

Super Dredge Flex

Designed for suction or discharge dredgers where extreme angular deflection is required, this annular ring style hose maintains the wear tube integrity and maximizes pressure capability.



Dredging Flex

For ladder and swivel service and available in a variety of lengths and I.D.s. Built with a continuous wear tube, bias-ply fabric and spring steel reinforcement, this hose will endure the severe service expected in this industry. Available without wire for stern-swivel service.



Dredge Sleeves

Using high tensile strength synthetic cord, these discharge connectors for rigid pipe are perfect for vertical transitions in and out of the water.



Valves

Townley builds the best premium valves in the industry. Our Series 150 Knifegate Valve features a resilient Towniprene™ urethane seat, high-chrome inserts and stainless steel blade. With positive sealing, you can be assured of zero discharge when closed. Custom actuation is also available.



Upgraded Dredging Pump Parts

Townley has a large inventory of patterns for hard to find centrifugal pump parts. We can keep your dredge pumps running with the maximum abrasion and corrosion resistance.

Using state of the art equipment, Townley pours high chrome white iron, stainless and other specialty alloys machined to match OEM dimensions.

These parts will bolt to your existing drive assembly and perform to the OEM hydraulic specifications.



We offer some of the best delivery times in the business.

Thomas style

Call or e-mail us and an experienced Townley Representative will help specify the right dredging components with options for your application.



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