

# SPECIALTY HIGH FLOW TOOLS

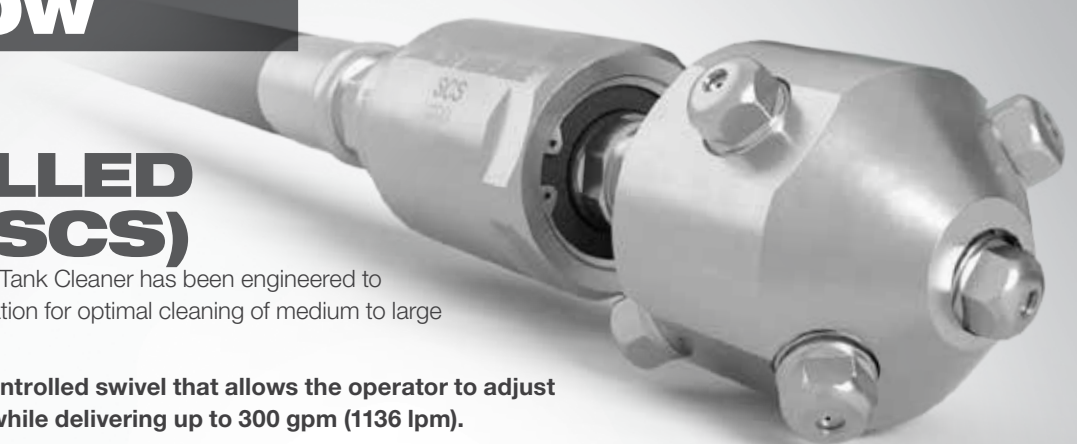
**NEW AVAILABLE NOW**

## SPEED CONTROLLED SWIVEL (SCS)

The new StoneAge SCS High Flow Tank Cleaner has been engineered to deliver high flow and controlled rotation for optimal cleaning of medium to large tanks and vessels.

**The SCS has a unique speed controlled swivel that allows the operator to adjust rotation speed from 5–50 rpm while delivering up to 300 gpm (1136 lpm).**

This combination of high flow and slow rotation is ideal for removing difficult materials such as coke or refractory. The SCS High Flow Tank Cleaner can be customized with several head options to adapt for large pipe cleaning, tunnel cleaning or stack cleaning. We also offer newly designed high flow nozzles with unique flow straighteners to increase the precision and power of the jets.



Tool Model	Pressure Range	Flow Range	Inlet Connection	Rotation Speed	Weight
SCS-100	10–22k psi 690–1500 bar	10–300 gpm 151–1136 lpm	1in MP (MP16), 1in NPT (P16), 1.25in NPT (P20)	5–50 rpm	12lbs (5 kg) Swivel only, no head

**NEW AVAILABLE NOW**

## 1.25 HIGH FLOW HOSE

The 1.25 hose is useful for flow rates above 100 gpm (379 lpm) and up to 200 gpm (757 lpm), either as hose to route up structure or to feed a 2D or 3D tool, where running two 1 in. (25mm) hoses in parallel is difficult or impossible. The 1.25 I.D. hose is rated to 10,000 psi (690 bar) waterblast working pressure and is available in lengths up to 200 ft (61m).

The 1.25 hose replaces the need to run 2 X 1 in. (25mm) hoses in parallel to manage pressure loss.

### Comparison of pressure loss 100 ft (30.5m) length:

Flow Rate	1 X 1 in. (25mm) Hose	1 X 1.25 Hose	2 X 1 in. (25mm) Hoses in parallel
100 gpm (379 lpm)	356 psi (25 bar) loss	117 psi (8 bar) loss	90 psi (6 bar) loss
150 gpm (568 lpm)	801 psi (55 bar) loss	262 psi (18 bar) loss	200 (14 bar) psi loss
200 gpm (757 lpm)	1424 psi (98 bar) loss	467 psi (32 bar) loss	356 psi (25 bar) loss



# SPECIALTY HIGH FLOW TOOLS

## TORUS® TR-200

High Flow 3D Tank and Vessel Cleaning

The Torus TR-200 is the industry's most powerful 3-D tool. It is capable of delivering flows up to 220 gpm (830 l/min) with minimal pressure loss. Applying higher flows allows contractors to remove thicker deposits and deliver longer and harder hitting jets from further distances. This is ideal for cleaning large tanks, removing coke deposits, and other hard to handle applications and materials.

### FEATURES:

- Small entry diameter and light weight enable easy transport, setup, storage, and access to more tanks and vessels
- If the arms hit an internal obstruction while in operation, the Torus TR-200 simply stops rotating without damaging the gear mechanism
- Side by side field trials prove that the Torus TR-200 experiences less pressure loss than competitive tools on the market – less pressure loss equals more power delivered to the cleaning surface and greater productivity
- Positioning devices and extensions help adapt the Torus TR-200 to specific needs



Tool Model	Pressure Range	Flow Range	Cycle Time	Inlet Connection	Rotation Speed	Weight
TR-200	8–15k psi 550–1000 bar	50–220 gpm 190–830 l/min	10–88 minutes	P16 (up to 12k psi MAWP) MP16 (up to 15k psi MAWP)	Adjustable	100 lb 45 kg

## 1.25 HOSE STORAGE REEL

The 1.25 Hose Reels allow precise, controlled feed rates down to 4 in. (102mm) per minute for raising and lowering a 2D tool, and for positioning a 3D tool. They can also be used in line cleaning to feed and retract a high flow 2D tools as well.

It is possible to measure and display amount of hose fed out for precise positioning. It can lift or pull up to 1500 lbs. (680 kg) pull force.

The 1.25 Hose Reels can be built to hold up to 150 ft. (46m) of capacity (hose length).

