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Hose Containment Systems are a valuable part of automated flex lance operations. They provide greater safety by keeping the hoses contained in the drum. Flex lance machines, when used without containment, send hoses out over hand rails, scaffolding, and can catch and trip people in the work zone. The HCS also reduces external hose wear by eliminating abrasion on these same obstacles. This type of unit can be sold on the fact that implementing it reduces hose replacement several times over.

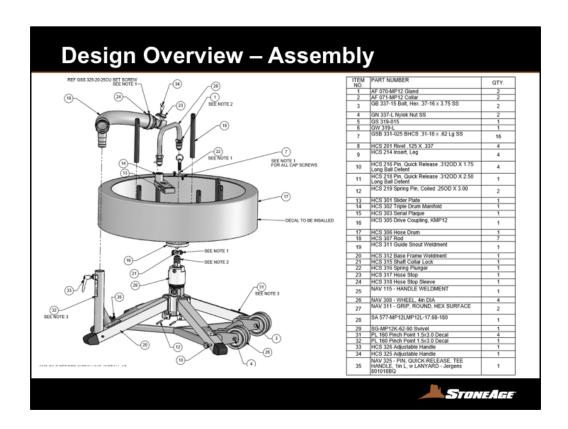
This unit is a refinement of the HCS-2L offering increased hose storage capacity and a larger stainless steel snout for smooth operation and durability in harsh environments.

It will also feature wheels and a handle for easy transportation.

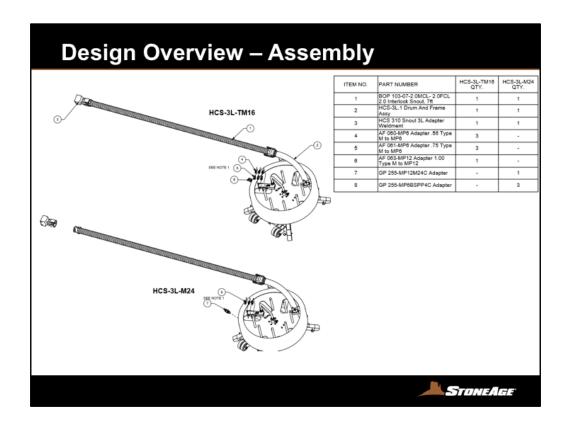
The HCS can be configured to effectively store one, two or three flex lances (AF 076-MP6 or AF 070-MPG plugs must be used when not running three lances.) The system is also adaptable for use to either the ABX-2L or ABX-3L.

The system features a larger 2" snout and guide assembly for 3/4-8/4 hoses or a smaller 1.25" snout and guide assembly for 3/2 and 4/2 hoses.

It's also important to note that HP hoses can be stored in the drum between jobs reducing the chance of hoses getting damaged while not being used.



This is the parts break down for the drum assembly, Snout options shown on next slide.



US version and the International versions shown here.

Also, note that we are in the design and testing phase for an additional smaller snout option to better handle 2 wrap, small diameter hoses. As progress gets made here we will communicate that to everyone.



The high pressure connection is to our SG-MP12K-62-90 rotary coupling. We will be offering two styles of units, the HCS-3L-TM16 which offers a 1" Type M male (AF 063-MP12) for 22k psi shown here, and the HCS-3L-M24 which offers metric 24mm male connection (GP 255-MP12M24C Adapter).



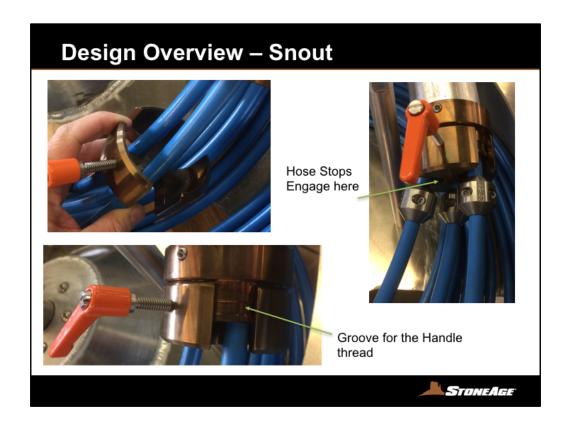
The SG Swivel is plumbed to this 3-way manifold.

- HCS-3L-TM16 uses qty 3 each AF 060-MP6, AF 061-MP6
- HCS-3L-M24 uses qty 3 each GP 255-MP6BSPP4C

At this point you can attach each of the hose ends to the manifold but leave them loose. This allows them the ability to twist freely while the hose is being loaded. Feed each of the hoses into the drum until you have 4-6 loops loaded. Then tighten the manifold nuts before you have all the hoses loaded into the drum.

Operating with one or two lance storage requires plugging the unused ports in the manifold.

The hoses can be tightened using the room provided in the drum. Its recommended that you leave these nuts loose while loading the hoses in the drum, giving them freedom to twist, and then tightened once all of the hoses have been loaded.



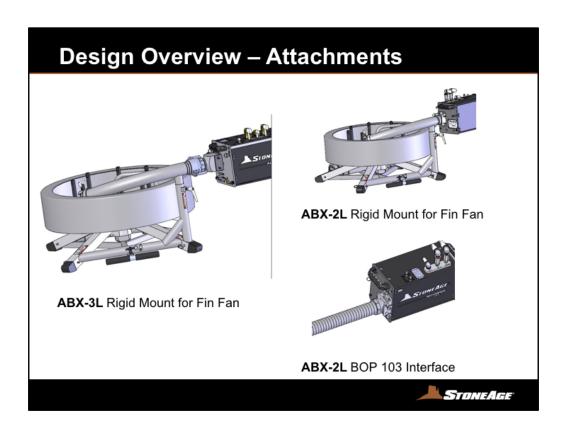
Next step is to tape the 3 hoses together and then feed them through the Guide Snout and Corrugated Hose snout. This is important as it keeps the hoses from getting tangled in the snouts and reduces excess drag/friction.

Pictured above is the HCS 317 Hose Stop, it has three openings for each hose. Note that the orange handle threads into the groove in the Hose Stop.

This system uses the same HS 121 style hose stops. Note that both US and International versions require Standard 9/64 hex key. It is recommended that you test the function of the hose stops against the HCS 317 to verify it functions correctly.



The Welded Guide Snout and the Corrugated Snout assembly are shown here. The Snout is 7' (2.1 meters). The cam lock attachments are used on both ends. This is very quick and simple to set up. The corrugated snout provides very low friction for hose travel in and out. We did significant in-house testing to verify that this method results in optimal performance.



## **Specifications**

HCS Size (Snout Removed): 28.75"x28.75"x15" 730x730x381 mm

HCS w/ Snout (No Hoses): 64 lbs 29 kg
Pressure Range: Up to 22k psi 1500 bar
Hose Capacity: Up to 75', qty 3, 8/4 hose 22.8 meters



### Maintenance

#### **Pre Operation Check Required**

- · Be sure the hoses are the same length before installation.
- Be sure hoses have their "natural" bend. Hoses that have kinks or bends that are not in the typical circular pattern will not stay in the drum under operation.
- · Ensure that the hose reel rotates easily in both directions.
- · Watch for leaks in the SG swivel, manifold connections.
- · Test that the hoses move freely in and out of the snout assembly.
- The drum is intended to operate standing on its feet. Upside down or sideways operation is not recommended.
- · Verify that hose stops are sized and set correctly



# **International Offerings**

Top level assembly is HCS-3L-M24.

To complete this assembly requires the installation of the GP 255-MP12M24C adapter into the SG swivel assembly and the GP 255-MP6BSPP4C adapters into the manifold.



Pricing		
Pricing:		
HCS-3L-TM16	\$10,626.00	
HCS-3L-M24	\$10,750.00	
Shown as List Price		
		STONEAGE

Please note that this pricing may change for future builds based on new manufacturing changes. It is anticipated that the price will drop based on new drum manufacturing methods.