



HYPERPOOL®

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Backed by over 60 years of cost-effective solutions plus award-winning service, the Derrick® Hyperpool® shaker is the latest in a long line of products designed expressly to exceed the demanding needs of today's oilfield drilling operations.

With its compact footprint, industry-leading processing capacity, solids bypass prevention, and low maintenance cost, the Hyperpool is well suited for all drilling applications where drilling performance and rig modularity are required. The Hyperpool is designed to bring maximum value to the customer.



Hyperpool Mud Cleaner

# FEATURES & BENEFITS

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## 1. Health, Safety, & Environment (HSE)

- Easy screen inspection, removal, and installation
- Low sound production (74 +/- 4 dBA)
- Optional vapor extraction covers protect operating personnel and surrounding equipment from vapors emitted during the screening process (dependent on customer provided HVAC exhaust system)
- Optional self-locking splash covers provide clean operating environment
- Light-weight screen panels make for easy installation

## 2. Concave Screen Bed

- Fluid centering technology increases capacity up to 35% over competitive equipment
- Increased efficiency in a smaller footprint
- Compression fit bed material requires no hardware

## 3. Screen Compression System

- Eliminates bypass of solids under screen panels
- Less than 45-seconds per screen panel change
- Fast, secure panel retention
- Single-side operation, available in either left or right side

## 4. Pyramid® Screen Technology

- Pyramid® and Pyramid Plus™ screens offer up to 45% more API RP 13C non-blanked screen area over conventional shakers delivering greater efficiency
- Compliant with industry-standard API RP 13C (ISO 13501)

## 5. Super G® Integrated Vibratory Motors

- Zero maintenance
- Powerful, quiet, dual vibratory motors apply high G performance
- Two options - Super G® or Super G2®
- Standard Super G has greased-for-life bearings (Two-year warranty)
- Optional Super G2 has continuous recirculating internal oil lubrication system (Three-year warranty)

## 6. Single Point Screen Angle Adjustment

- Adjustable screen angle while drilling from +2° to +8° for optimum capacity, screen life, and efficiency
- Manual single point system allows one man operation and optimization while drilling

## 7. Mud Cleaner

- Up to twenty 4" hydrocyclones
- Up to three 10" hydrocyclones
- Optional individual shutoff valve for each 4" hydrocyclone

# KEY BENEFITS



## Fluid Centering Technology

The Hyperpool shaker offers up to 35% increased capacity over competitive equipment within the same footprint. Fluid centering technology maximizes fluid throughput by causing fluid to pool in the center of the concave screen bed for maximum screening effect. Derrick's proprietary screen panel compression technology in a concave bed, combined with the nitrile rubber bed cushions provides optimum sealing that eliminates solids bypass and reduces dilution and waste management costs to ease environmental concerns.



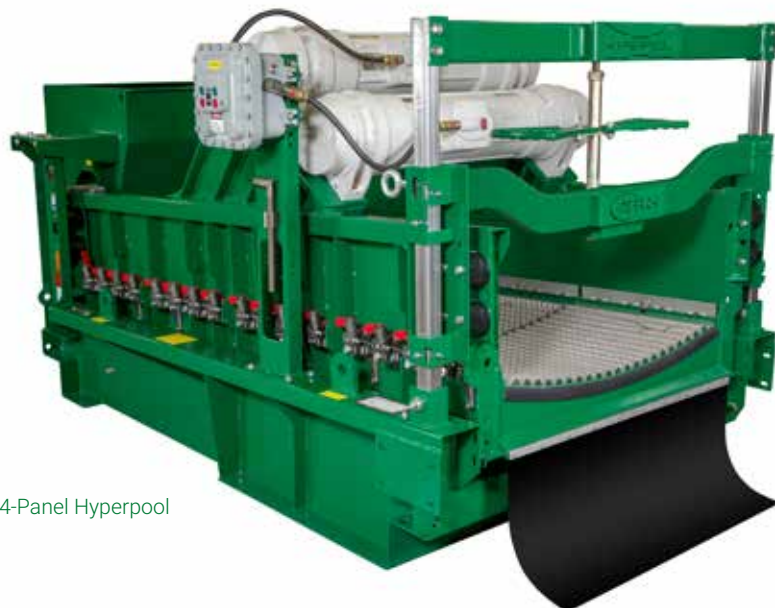
## Low Maintenance Cost

Long-life nitrile rubber bed cushions offer extended bed material life, and hardware-free installation that vastly simplifies replacement of bed material components. Fully covering the entire screen bed, the bed cushions are easily removed and installed. Panels have no metal contact for reduced wear, while panel pressure is uniformly distributed across the screen bed in a sealing system that eliminates bypass of solids under screen panels.



## Fast, Simple Screen Changes

The convenient single-side screen compression system, available in either left or right side operation, permits a single operator to complete shaker screen changes in less than three minutes. A single downward stroke of the operating lever extends retention pins that quickly and firmly secure each screen panel to the screen bed by forcing it downward against the concave screen bed, compressing the bed material for a leak-proof fit. This positive and uniform screen-to-deck sealing results in longer screen life, dramatically improved conveyance, and eliminates bypass of solids under the screen panels. The lightweight, 18 pound (8 kg), screen panels reduce handling effort, lessening injury potential.



4-Panel Hyperpool



# DUAL & TRIPLE UNITS

By combining multiple shakers on a single modular design, the Hyperpool dual and triple units offer increased capacity in a compact footprint. Optimum flexibility is provided by the box feeder/flow divider, which permits distribution of feed slurry equally to each shaker screen frame. A bypass pipe with integrated butterfly valves connects all hopper discharge outlets.

## Standard Features of Hyperpool Dual and Triple Units Include:

- Super G vibratory motors
- Single-side screen compression system
- Adjustable while drilling (AWD) screen angle adjustment
- Integrated Flo-Divider™
- Modular bolt-together assembly
- Easy international single container shipment



Dual Hyperpool Unit



Integrated Flo-Divider

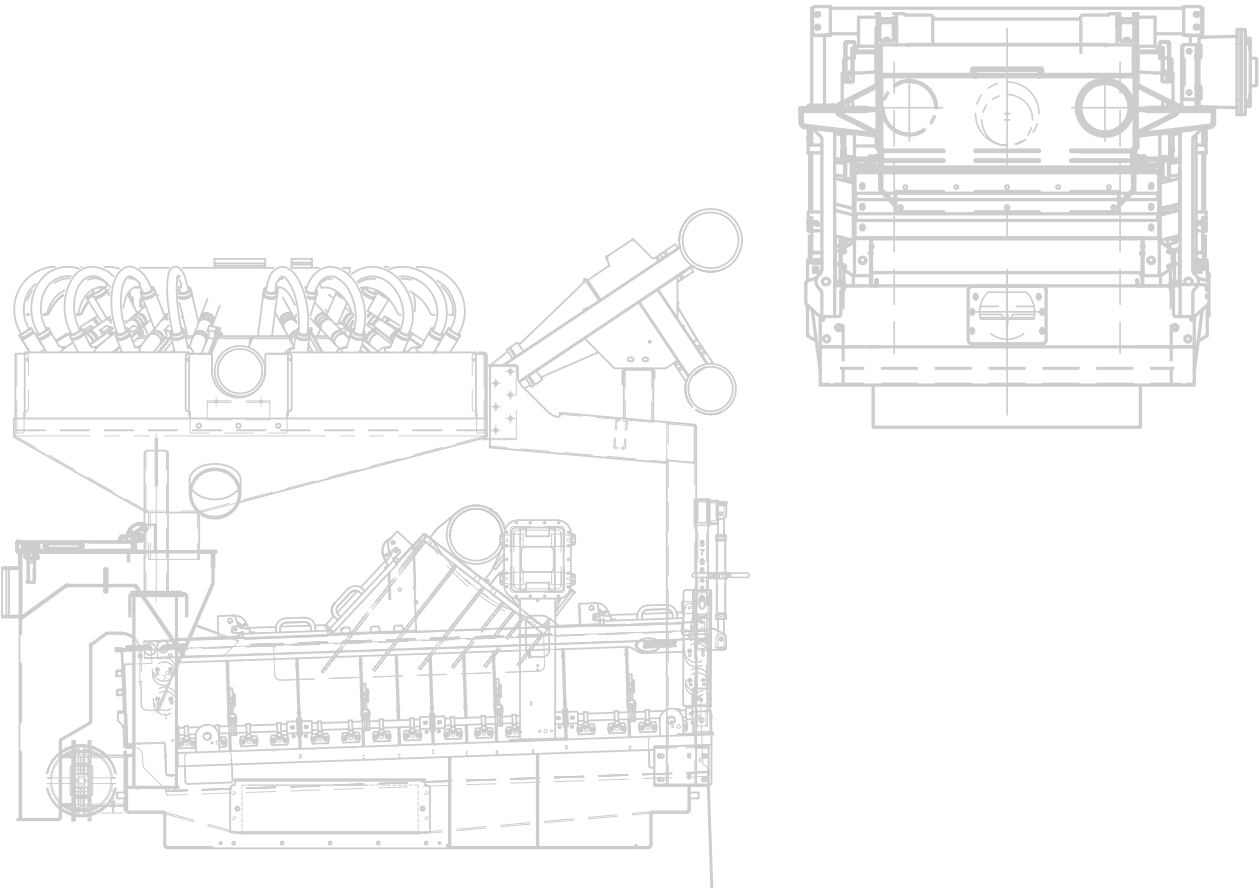


Triple Hyperpool Unit with Integrated Flo-Divider

# WEIGHTS & DIMENSIONS

EQUIPMENT			DIMENSIONS				
Model	Options		Width in (mm)	Length in (mm)	Height in (mm)	Weir Height in (mm)	Weight lbs (kg)
<b>Hyperpool</b>	Box Feeder	None	69-5/8 (1768)	101-3/4 (2585)	63-13/16 (1620)	37-5/8 (956)	3600 (1633)
		3/20 Cones	80 (2032)	123-13/16 (3145)	109 (2769)		7300 (3311)
	Weir Feeder	None	69-5/8 (1768)	118-3/16 (3002)	63-13/16 (1620)	36-3/4 (933)	3700 (1678)
		3/20 Cones	80 (2032)	123-13/16 (3145)	109 (2769)		7400 (3357)
		Low Weir Feeder			118-1/4 (3003)	61 (1550)	19-15/16 (507)
<b>Hyperpool Drying Shaker</b>	None		69-5/8 (1768)	105-1/16 (2667)	59-1/6 (1500)	30-1/16 (764)	2800 (1270)
<b>Hyperpool VE (Vapor Extraction)</b>	Weir Feeder			120-13/16 (3069)	63-13/16 (1620)	36-3/4 (933)	4000 (1814)
	Box Feeder			101-3/4 (2585)			
<b>Dual Hyperpool</b>	Integrated Flow Divider	None	157-1/4 (3994)	118-11/16 (3015)	63-13/16 (1620)	44-5/8 (1133)	9300 (4218)
		3/20 Cones	160 (4064)	124-5/8 (3166)	109-3/16 (2773)		13000 (5897)
<b>Triple Hyperpool</b>	Integrated Flow Divider	None	240 (6096)	118-11/16 (3015)	63-13/16 (1620)	44-5/8 (1133)	13300 (6033)
		3/20 Cones	242-3/4 (6166)	124-3/16 (3154)	108-7/8 (2766)		17200 (7802)

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