



## PYRAMID™ SCREEN

PATENTED THREE-DIMENSIONAL TECHNOLOGY



Pyramid™ Screen (PMD™)



Pyramid™ Plus Screen (PMD+™)

Derrick Equipment Company revolutionized screening technology in 1994 with the introduction of the patented Pyramid™ (PMD™) screen design. This three-dimensional screen design offers the benefits of traditional flat, multi-layered screens while adding a substantial increase in usable screen area. The result is a screen that allows for an increase in fluid handling capacity. Pyramid screens allow rigs to screen finer earlier in the drilling process, thus significantly reducing total drilling fluid and disposal costs.

### **BENEFITS OF PYRAMID SCREENS:**

- **Increased Shaker Capacity** – Pyramid and Pyramid Plus screens increase the total amount of usable API non-blanked screen area by 105% and 184% on a Derrick FLC 514 shaker.
- **Screen Finer Faster** – Utilizing Pyramid or Pyramid Plus screens enables rigs to screen 2 to 3 mesh sizes finer than with traditional flat panel screens without sacrificing capacity. This maximizes solids removal capabilities.
- **Makes Fine Separations** – Pyramid and Pyramid Plus screens are capable of making separations as fine as 43 microns.
- **Fits Existing Shakers** – There is no need to modify or replace existing equipment. Pyramid screens fit all Derrick shakers, allowing the most efficient use of existing equipment.
- **Drier Cuttings** – Pyramid screens minimize fluid loss by spreading thinner layers of fluid over a relatively larger screen surface, offering more effective drying results.

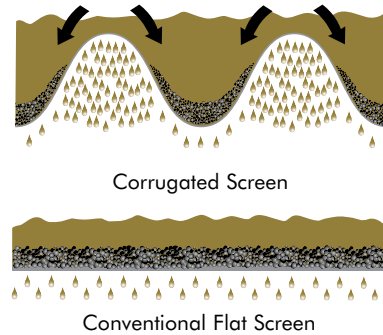


PYRAMID™ SCREEN

API RP 13C (ISO 13501) COMPLIANT SCREENS

## ENHANCES PERMEABILITY

Gravity and vibration forces the solids into the corrugated screen's troughs, thus allowing more fluid to pass through the top of the screen. With conventional flat screens, conductance is reduced as solids form a continuous bed that impedes fluid flow.



## INCREASED SOLIDS REMOVAL RESULTS IN LOWER DRILLING COSTS

Derrick screens are designed to maximize solids removal capabilities while significantly reducing costs associated with drilling fluid and disposal. Utilizing Derrick screens will lower the percentage of drilled solids in the mud system. Less dilution will be required, decreasing both total drilling fluid requirements and disposal costs. In addition, cleaner drilling fluid will decrease down hole problems which can adversely affect drilling time. All the benefits of clean drilling fluid lead to one end result: **LOWER DRILLING COST.**



## NEW DERRICK API RP 13C (ISO 13501) PART NUMBERS

DX Series		HP Series		DF Series	
New Part #:	Old Part #:	New Part #:	Old Part #:	New Part #:	Old Part #:
DX-A200	DX 250	HP-A325	HP 310	DF-A325	NEW
DX-A170	NEW	HP-A270	NEW	DF-A270	NEW
DX-A140	DX 210	HP-A230	NEW	DF-A230	DF 280
DX-A140	DX 175	HP-A200	HP 265	DF-A200	DF 230
DX-A120	NEW	HP-A200	HP 230	DF-A140	DF 200
DX-A100	DX 140	HP-A170	HP 200	DF-A120	DF 165
DX-A80	DX 110	HP-A140	HP 180	DF-A100	DF 145
DX-A70	DX 84	HP-A120	HP 150	DF-A20	DF 24
DX-A60	DX 70	HP-A100	HP 125		
DX-A50	NEW	HP-A80	HP 100		
DX-A45	DX 50	HP-A70	HP 80		
DX-A40	DX 44	HP-A60	HP 70		
DX-A35	DX 38	HP-A50	HP 60		
		HP-A45	HP 50		
		HP-A40	HP 45		
		HP-A35	HP 40		

Example:

New Part #: PMD500HP-A120  
Old Part #: PMD500HP150



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