

DURAFLO Composite Replacement Screen

For NOV BRANDT VENOM, KING COBRA HYBRID, KING COBRA, LCM-3D, and ATL-1000 shakers

APPLICATIONS

- BRANDT™ KING COBRA™ VENOM™ shakers
- BRANDT KING COBRA HYBRID shakers
- KING COBRA shakers
- BRANDT LCM-3D™
- BRANDT ATL-1000™ shakers

BENEFITS

- Increased operational flexibility through compatibility in all drilling fluids
- Eliminates delamination failure
- Increased fluid handling capability
- Decreased cost of ownership
- Improved handling and QHSE profile
- Rig-time savings through elimination of solids by-pass and catastrophic failures, reducing required dilutions
- Increased solids conveyance throughout the life of the screen to reduce premature mesh failure and improve oil-on-cuttings (OOC) removal
- Lower overall screen costs per well as a result of longer screen life, improved OOC percent, reduced dilutions, and decreased screen replacement

FEATURES

- Polypropylene-base frame
- Large usable screen area of 6 ft² [0.55 m²]
- Comolded gasket
- Industry's only true pretensioned screen made of stainless steel type 316 wire cloth
- Availability in all API designations
- SNAP-LOK* plug screen-repair system feature allows extending screen cell count up to 20% before replacement without compromising cut-point integrity

DURAFLO* composite replacement screens for Venom shaker screens are proven to improve performance compared with traditional metal-back screens. Equipped with the benefits of time-tested, patented, composite technology, the new design improves solids control performance with elongated screen life, increased fluid handling capacity, and larger usable area. Additionally, the screens feature enhanced drilling fluid compatibility, lighter weight, increased by-pass resistance, and pretensioned cloth for cut-point integrity and solids conveyance.

In field performance tests, DURAFLO screen life is twice that of traditional metal-back screens, solids discard rates are improved by more than 50%, and liquid discard on cuttings was reduced by 30%. These test results demonstrate the DURAFLO screen's ability to lower waste disposal costs as well lower mud costs due to volume lost on cuttings.

API Designation	Mesh Type	d ₁₀₀ Cut Point, um	Conductance, kD/mm	Nonblanked Area, ft ²	Part Number
API 60	XR	273	3.07	5.95	JVENXR084J
API 70	XR	230	2.78	5.95	JVENXR105J
API 80	XR	193	2.36	5.95	JVENXR120J
API 100	XR	159	1.67	5.95	JVENXR165J
API 120	XR	134	1.40	5.95	JVENXR200J
API 140	XR	106	0.72	5.95	JVENXR230J
API 170	XR	92	0.67	5.95	JVENXR270J
API 200	XR	77	0.61	5.95	JVENXR300J
API 230	XR	68	0.49	5.95	JVENXR325J
API 270	XR	54	0.42	5.95	JVENXR400J
API 325	XR	49	0.32	5.95	JVENXR500J
API 20	XL	781	11.77	5.95	JVENXL024J
API 35	XL	529	9.13	5.95	JVENXL038J
API 50	XL	296	4.91	5.95	JVENXL050J
API 60	XL	274	3.35	5.95	JVENXL070J
API 70	XL	224	2.80	5.95	JVENXL084J
API 80	XL	184	2.34	5.95	JVENXL105J
API 100	XL	148	1.96	5.95	JVENXL120J
API 120	XL	121	1.50	5.95	JVENXL150J
API 140	XL	106	1.03	5.95	JVENXL200J
API 170	XL	86	1.02	5.95	JVENXL220J
API 200	XL	72	0.62	5.95	JVENXL270J
API 230	XL	59	0.45	5.95	JVENXL325J
API 270	XL	54	0.42	5.95	JVENXL360J
API 325	XL	44	0.33	5.95	JVENXL400J
SNAP-LOK plug screen repair system plugs (box of 40)					JVENYYZZZZ-BX
VENOM shaker wear strips (each)					5895013
VENOM shaker wedges (two-piece set)					5895011
KING COBRA shaker wear strips (each) (used with the JVEN composite on KING COBRA, COBRA™, and LCM-3D shakers)					5895012

Screen Specifications

Dimensions (W × L), in 25 × 49.3125