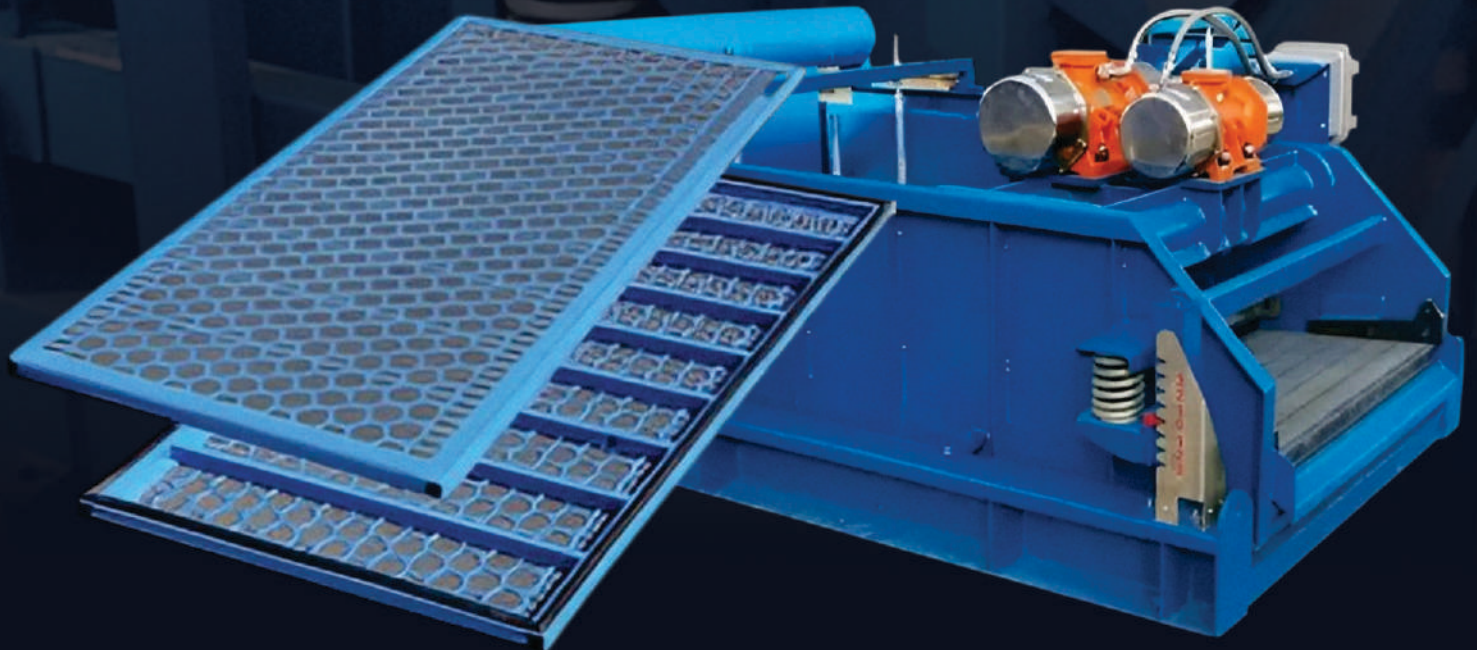


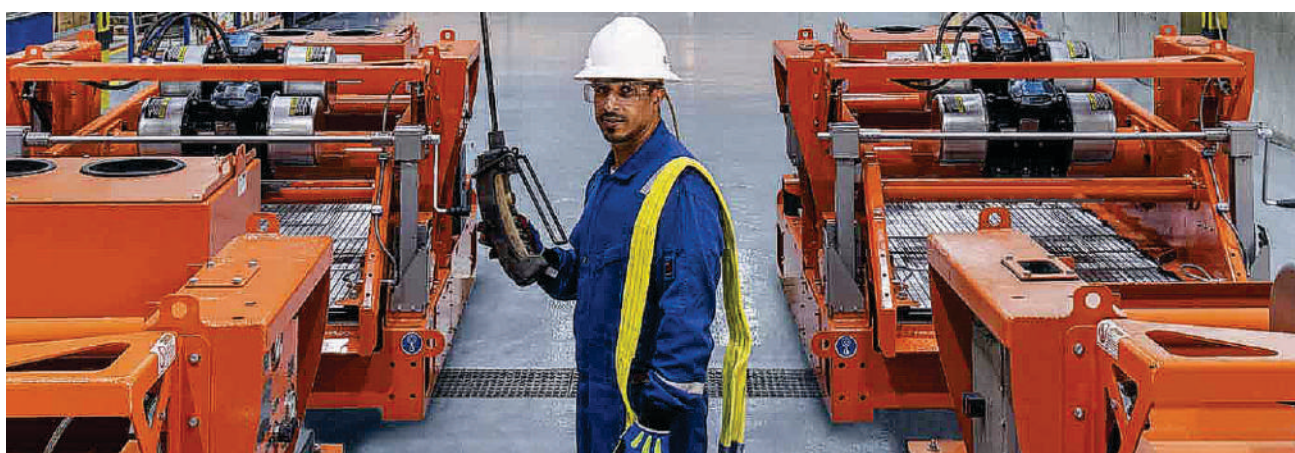
Shaker **Screens** **Catalogue**

Boosting efficiency,
reliability, and value in
every screen



About This Catalogue

This catalogue introduces our extensive range of replacement shaker screens, developed to deliver outstanding performance, reliability, and value to the global oil and gas industry. With decades of combined expertise in solids-control technology, we are dedicated to supporting drilling operations with solutions that enhance efficiency, reduce downtime, and optimize overall well performance.



Our replacement screens are designed and manufactured in strict compliance with API RP 13C standards, ensuring consistent quality and industry-approved performance. Compatible with leading shale shakers, including NOV, Derrick, and MI-Swaco, our product line covers a wide variety of screen types and configurations to meet the unique requirements of land, offshore, and swamp drilling operations.

Each screen is engineered with advanced wire mesh combinations (IXF, IHP, IMG) and constructed on high-strength steel frames. This multi-layer bonding technology increases

usable screen area, improves solids separation, and guarantees extended screen life — all while maintaining cost-effectiveness. The result is a product that offers superior durability, maximum solids-control efficiency, and excellent fluid recovery, even in the most demanding drilling environments.

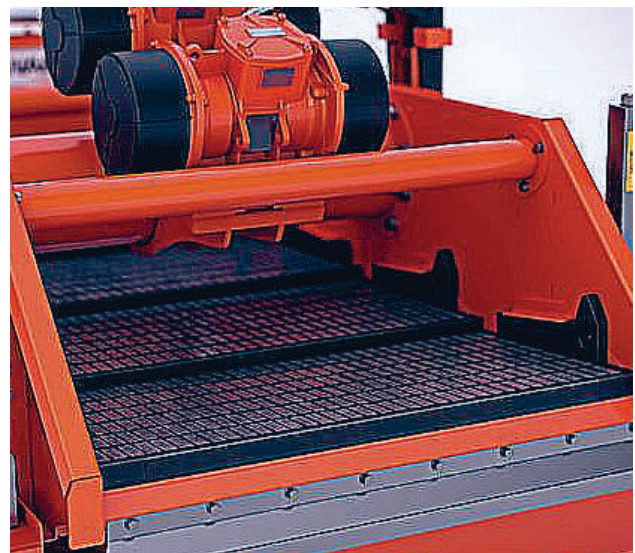
Beyond technical excellence, we pride ourselves on offering value-driven solutions. By combining competitive pricing with uncompromising quality, our replacement shaker screens enable operators to achieve significant cost savings without sacrificing performance or reliability.

This catalogue showcases our replacement shaker screens designed to enhance drilling efficiency, extend equipment life, and minimize non-productive time — delivering solutions tailored to your operational goals.

API Designation of Screen

API RPI3C takes to account D100 cut point of a test screen. D100 cut point means 100% of particles larger than aperture of test screen are screened out. The procedure involves making a sieve stack with the test screen in the middle which is placed on a Ro-tap machine to process Aluminum oxide grit. Particle size retained in the test screen is calculated (D100) and API no is assigned to the screen as per table below

API Designation	Micron Range	API Designation	Micron Range
API 635	18.5 - 22.5	API 100	137.5 - 165
API 500	22.5 - 28.5	API 80	165 - 196
API 450	28.5 - 35	API 70	196 - 231
API 400	35 - 41.5	API 60	231 - 275
API 325	41.5 - 49	API 50	275 - 327.5
API 270	49 - 58	API 45	327.5 - 390
API 230	58 - 69	API 40	390 - 462.5
API 200	69 - 82.5	API 35	462.5 - 550
API 170	82.5 - 98	API 30	550 - 655
API 140	98 - 116.5	API 25	655 - 780
API 120	116.5 - 137.5	API 20	780 - 925



Replacement screens for Derrick 500 Series Shaker

Indigo Separation Solutions manufactures API RP 13C-compliant replacement screens for the Derrick 500 Series shale shaker in IXF and IHP mesh combinations. Our advanced 3D multi-layer design increases usable screen area, delivering maximum solids control efficiency, durability, and performance at a highly competitive price.

Specification & Dimensions

Dimensions

695mmx 1051mm

Weight

7.22kg



Screen Label Nomenclature

D500	M	3	N
Shaker Type	Screen Type	No Screen Layer	Support Structure Steel
Derrick FLC500- D500	Scalping- A	Two Layer- 2	Frame- S Composite
	Primary- M	Three Layer-3	Frame- C
	Secondary- Z		No Frame- N

P	IHP	A100
Screen Panel	Mesh Type	API Ref
Flat- F	Indigo market grade IMG	API 100
Pyramid- P	Indigo high performance-IHP	
	Indigo Extra fine mesh - IXT	

API Mesh	Mesh Type	Screen Type	Screen Layer	D100 Cut Point(μ)	Conductance (kD/mm)	Non-Blanked Area(sq.ft)	Part No.
API 20	IHP	Primary	2	831.0	14.05	7.1	D500-M-3-N-P-IHP-A20
API 30	IHP	Primary	2	610.0	8.59	7.1	D500-M-3-N-P-IHP-A30
API 35	IHP	Primary	2	498.7	5.91	7.1	D500-M-3-N-P-IHP-A35
API 40	IHP	Primary	3	415.2	5.16	7.1	D500-M-3-N-P-IHP-A40
API 50	IHP	Primary	3	308.9	3.25	7.1	D500-M-3-N-P-IHP-A50
API 60	IHP	Primary	3	235.3	2.71	7.1	D500-M-3-N-P-IHP-A60
API 70	IHP	Primary	3	211.5	2.21	7.1	D500-M-3-N-P-IHP-A70
API 80	IHP	Primary	3	190.4	1.53	7.1	D500-M-3-N-P-IHP-A80
API 100	IHP	Primary	3	138.9	1.36	7.1	D500-M-3-N-P-IHP-A100
API 120	IHP	Primary	3	126.7	1.35	7.1	D500-M-3-N-P-IHP-A120
API 140	IHP	Primary	3	106.9	1.1	7.1	D500-M-3-N-P-IHP-A140
API 170	IHP	Primary	3	94.5	0.98	7.1	D500-M-3-N-P-IHP-A170
API 200	IHP	Primary	3	81.2	0.79	7.1	D500-M-3-N-P-IHP-A200
API 230	IXF	Primary	3	71.0	0.64	7.1	D500-M-3-N-P-IXF-A230
API 270	IXF	Primary	3	51.8	0.47	7.1	D500-M-3-N-P-IXF-A270
API 325	IXF	Primary	3	46.2	0.39	7.1	D500-M-3-N-P-IXF-A325

Replacement screens for King Cobra Venom Shaker

We manufacture high-quality replacement screens for NOV King Cobra Venom shale shakers, available in IXF and IHP mesh combinations compliant with API RP 13C. Built with multi-layer mesh bonded to a perforated steel frame, our screens deliver durability, reliability, and superior performance at a highly competitive price.

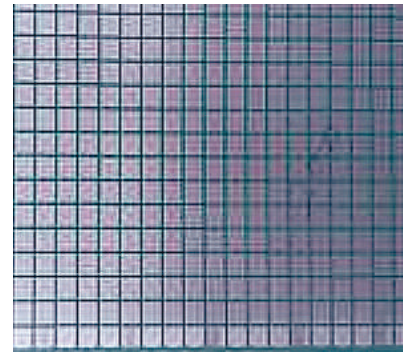
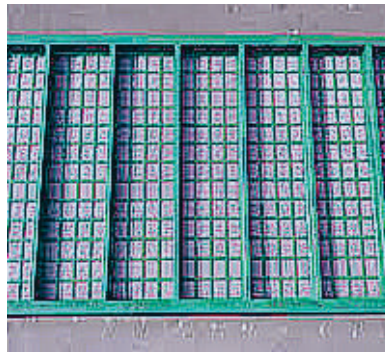
Specification & Dimensions

Dimensions

1250mm x 635mm x 28mm

Weight

13kg

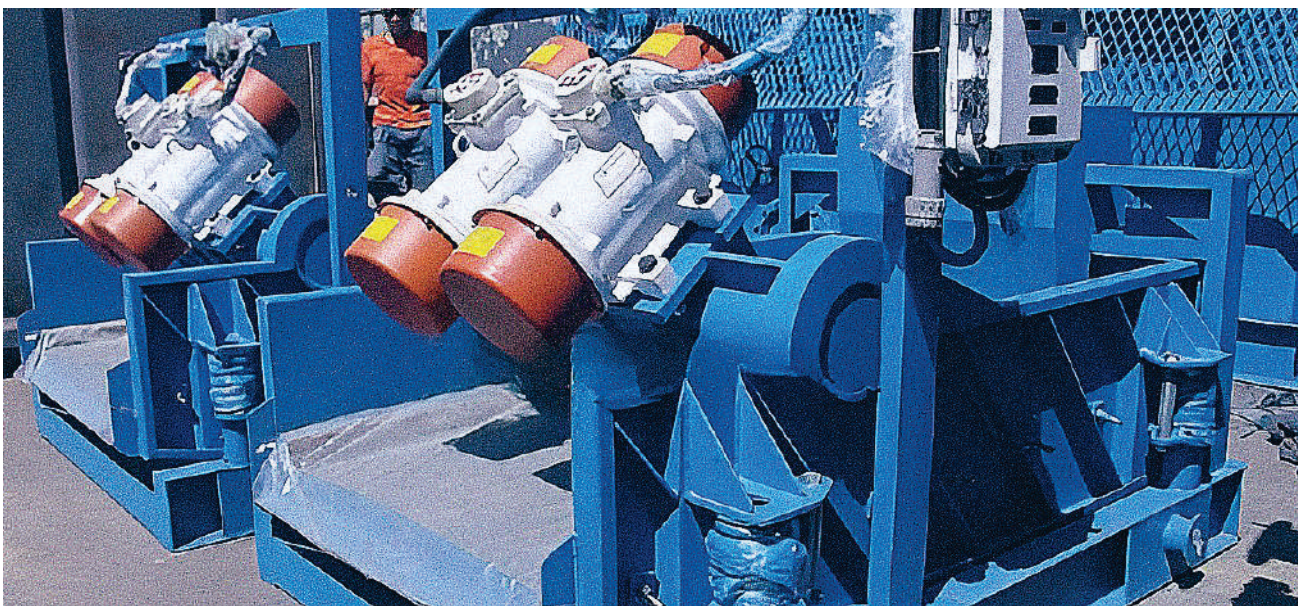


Screen Label Nomenclature

KCV	M	3	S
Shaker Type	Screen Type	No Screen Layer	Support Structure
NOV King Cobra Venom- KCV	Scalping- A	Two Layer- 2	Steel frame- S
	Primary- M	Three Layer-3	Composite Frame- C
	Secondary- Z		No Frame- N

F	IHP	A120
Screen Panel	Mesh Type	API Ref
Flat- F	Indigo market grade IMG	API 120
Pyramid- P	Indigo high performance-IHP	
	Indigo Extra fine mesh - IXT	

API Mesh	Mesh Type	Screen Type	Screen Layer	D100 Cut Point(μ)	Conductance (kD/mm)	Non-Blanked Area(sq.ft)	Part No.
API 20	IHP	Primary	2	831.0	14.05	5.5	KCV-M-2-S-F-IHP-A20
API 30	IHP	Primary	2	610.0	8.59	5.5	KCV-M-2-S-F-IHP-A30
API 35	IHP	Primary	2	498.7	5.91	5.5	KCV-M-2-S-F-IHP-A35
API 40	IHP	Primary	3	415.2	5.16	5.5	KCV-M-3-S-F-IHP-A40
API 50	IHP	Primary	3	308.9	3.25	5.5	KCV-M-3-S-F-IHP-A50
API 60	IHP	Primary	3	235.3	2.71	5.5	KCV-M-3-S-F-IHP-A60
API 70	IHP	Primary	3	211.5	2.21	5.5	KCV-M-3-S-F-IHP-A70
API 80	IHP	Primary	3	190.4	1.53	5.5	KCV-M-3-S-F-IHP-A80
API 100	IHP	Primary	3	138.9	1.36	5.5	KCV-M-3-S-F-IHP-A100
API 120	IHP	Primary	3	126.7	1.35	5.5	KCV-M-3-S-F-IHP-A120
API 140	IHP	Primary	3	106.9	1.1	5.5	KCV-M-3-S-F-IHP-A140
API 170	IHP	Primary	3	94.5	0.98	5.5	KCV-M-3-S-F-IHP-A170
API 200	IHP	Primary	3	81.2	0.79	5.5	KCV-M-3-S-F-IHP-A200
API 230	IXF	Primary	3	71.0	0.64	5.5	KCV-M-3-S-F-IXF-A230
API 270	IXF	Primary	3	51.8	0.47	5.5	KCV-M-3-S-F-IXF-A270
API 325	IXF	Primary	3	46.2	0.39	5.5	KCV-M-3-S-F-IXF-A325



Replacement screen for **Mongoose PT shaker**

Our Company manufactures API RP 13C-compliant replacement screens for MI-Swaco Mongoose PT shale shakers in IXF and IHP mesh combinations. Built with multi-layer mesh bonded to a perforated steel frame, our screens ensure durability, reliability, and high solids-control performance at a competitive price.

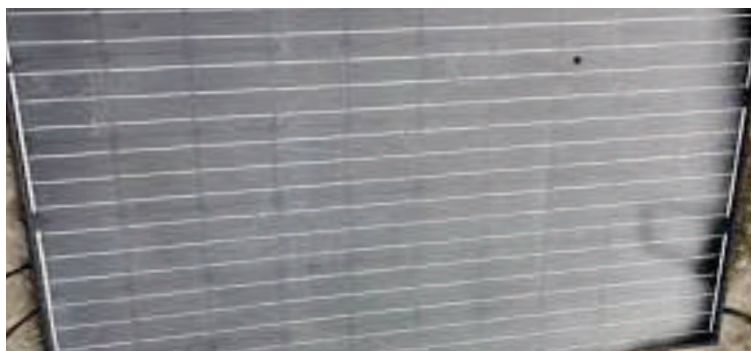
Specification & Dimensions

Dimensions

1165mm x 585mm x 40mm

Weight

15kg

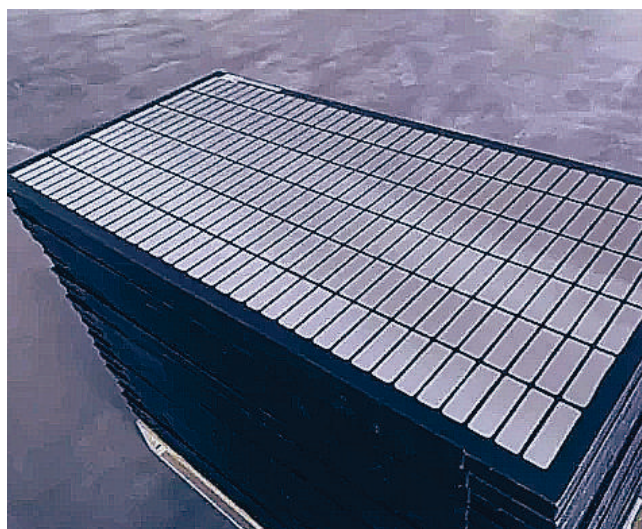
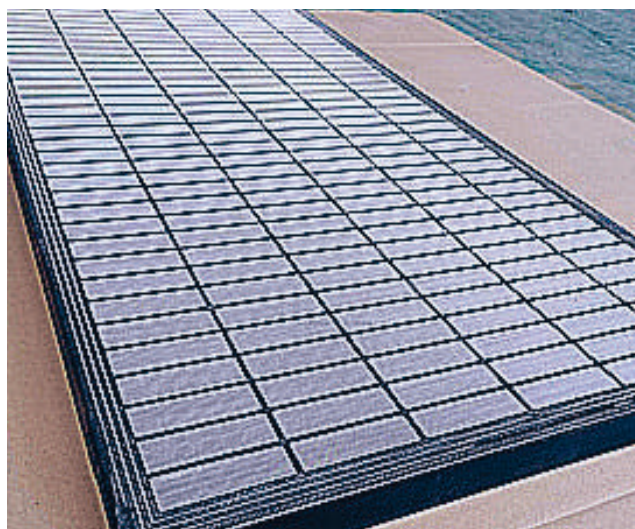


Screen Label Nomenclature

Mong	M	3	S
Shaker Type	Screen Type	No Screen Layer	Support Structure
MI-Swaco Mongoose PT- Mong	Scalping- A	Two Layer- 2	Steel frame- S
	Primary- M	Three Layer-3	Composite Frame- C
	Secondary- Z		No Frame- N

F	IHP	A120
Screen Panel	Mesh Type	API Ref
Flat- F	Indigo market grade IMG	API 120
Pyramid- P	Indigo high performance-IHP	
	Indigo Extra fine mesh - IXT	

API Mesh	Mesh Type	Screen Type	Screen Layer	D100 Cut Point(μ)	Conductance (kD/mm)	Non-Blanked Area(sq.ft)	Part No.
API 20	IHP	Primary	2	831.0	14.05	5.3	Mong-M-2-S-F-IHP-A20
API 30	IHP	Primary	2	610.0	8.59	5.3	Mong-M-2-S-F-IHP-A30
API 35	IHP	Primary	2	498.7	5.91	5.3	Mong-M-2-S-F-IHP-A35
API 40	IHP	Primary	3	415.2	5.16	5.3	Mong-M-3-S-F-IHP-A40
API 50	IHP	Primary	3	308.9	3.25	5.3	Mong-M-3-S-F-IHP-A50
API 60	IHP	Primary	3	235.3	2.71	5.3	Mong-M-3-S-F-IHP-A60
API 70	IHP	Primary	3	211.5	2.21	5.3	Mong-M-3-S-F-IHP-A70
API 80	IHP	Primary	3	190.4	1.53	5.3	Mong-M-3-S-F-IHP-A80
API 100	IHP	Primary	3	138.9	1.36	5.3	Mong-M-3-S-F-IHP-A100
API 120	IHP	Primary	3	126.7	1.35	5.3	Mong-M-3-S-F-IHP-A120
API 140	IHP	Primary	3	106.9	1.1	5.3	Mong-M-3-S-F-IHP-A140
API 170	IHP	Primary	3	94.5	0.98	5.3	Mong-M-3-S-F-IHP-A170
API 200	IHP	Primary	3	81.2	0.79	5.3	Mong-M-3-S-F-IHP-A200
API 230	IXF	Primary	3	71.0	0.64	5.3	Mong-M-3-S-F-IXF-A230
API 270	IXF	Primary	3	51.8	0.47	5.3	Mong-M-3-S-F-IXF-A270
API 325	IXF	Primary	3	46.2	0.39	5.3	Mong-M-3-S-F-IXF-A325

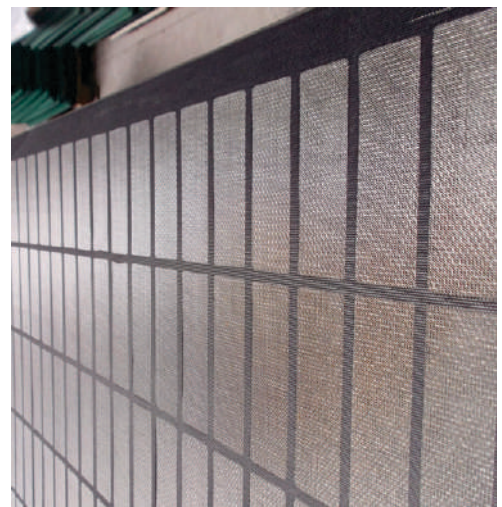
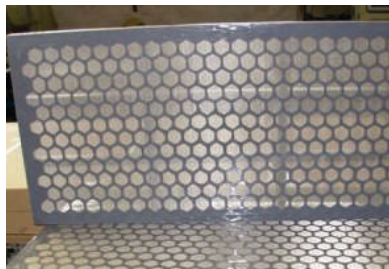


Replacement Screen for VSM300 shaker

API RP 13C-compliant replacement screens for NOV VSM300 shale shakers in IMG, IXF, and IHP mesh. Multi-layer steel frame design ensures durability and solids-control efficiency. Expertly engineered for high performance at a competitive price.

Specification & Dimensions

Screen Type	Dimensions	Weight
Scalping Screen	935mm x 675mm x 40mm	11kg
Primary Screen	889mm x 686mm x 40mm	9kg



Screen Label Nomenclature

V300	A	2	S
Shaker Type	Screen Type	No Screen Layer	Support Structure Steel
NOV VSM300- V300	Scalping- A	Two Layer- 2	Frame- S Composite
	Primary- M	Three Layer-3	Frame- C
	Secondary- Z		No Frame- N

F	IMG	A20
Screen Panel	Mesh Type	API Ref
Flat- F	Indigo market grade IMG	API 20
Pyramid- P	Indigo high performance-IHP	
	Indigo Extra fine mesh - IXT	

API Mesh	Mesh Type	Screen Type	Screen Layer	D100 Cut Point(μ)	Conductance (kD/mm)	Non-Blanked Area(sq.ft)	Part No.
API 20	IMG	Scalping	2	831.0	14.05	4.6	V300-A-2-S-F-IMG-A20
API 30	IMG	Scalping	2	610.0	8.59	4.6	V300-A-2-S-F-IMG-A30
API 35	IMG	Scalping	2	498.7	5.91	4.6	V300-A-2-S-F-IMG-A35
API 40	IMG	Scalping	2	415.2	5.16	4.6	V300-A-2-S-F-IMG-A40
API 50	IMG	Scalping	2	308.9	3.25	4.6	V300-A-2-S-F-IMG-A50
API 60	IMG	Scalping	2	235.3	2.71	4.6	V300-A-2-S-F-IMG-A60
API 70	IMG	Scalping	2	211.5	2.21	4.6	V300-A-2-S-F-IMG-A70
API 80	IMG	Scalping	2	190.4	1.53	4.6	V300-A-2-S-F-IMG-A80
API 100	IMG	Scalping	2	138.9	1.36	4.6	V300-A-2-S-F-IMG-A100

API 20	IHP	Primary	2	831.0	14.05	4.6	V300-M-3-S-F-IHP-A20
API 30	IHP	Primary	2	610.0	8.59	4.6	V300-M-3-S-F-IHP-A30
API 35	IHP	Primary	2	498.7	5.91	4.6	V300-M-3-S-F-IHP-A35
API 40	IHP	Primary	3	415.2	5.16	4.6	V300-M-3-S-F-IHP-A40
API 50	IHP	Primary	3	308.9	3.25	4.6	V300-M-3-S-F-IHP-A50
API 60	IHP	Primary	3	235.3	2.71	4.6	V300-M-3-S-F-IHP-A60
API 70	IHP	Primary	3	211.5	2.21	4.6	V300-M-3-S-F-IHP-A70
API 80	IHP	Primary	3	190.4	1.53	4.6	V300-M-3-S-F-IHP-A80
API 100	IHP	Primary	3	138.9	1.36	4.6	V300-M-3-S-F-IHP-A100
API 120	IHP	Primary	3	126.7	1.35	4.6	V300-M-3-S-F-IHP-A120
API 140	IHP	Primary	3	106.9	1.1	4.6	V300-M-3-S-F-IHP-A140
API 170	IHP	Primary	3	94.5	0.98	4.6	V300-M-3-S-F-IHP-A170
API 200	IHP	Primary	3	81.2	0.79	4.6	V300-M-3-S-F-IHP-A200
API 230	IXF	Primary	3	71.0	0.64	4.6	V300-M-3-S-F-IXF-A230
API 270	IXF	Primary	3	51.8	0.47	4.6	V300-M-3-S-F-IXF-A270
API 325	IXF	Primary	3	46.2	0.39	4.6	V300-M-3-S-F-IXF-A325

API 80	IXF	Secondary	3	190.4	1.53	0.7	V300-Z-3-S-F-IXF-A80
API 100	IXF	Secondary	3	138.9	1.36	0.7	V300-Z-3-S-F-IXF-A100
API 120	IXF	Secondary	3	126.7	1.35	0.7	V300-Z-3-S-F-IXF-A120
API 140	IXF	Secondary	3	106.9	1.1	0.7	V300-Z-3-S-F-IXF-A140
API 170	IXF	Secondary	3	94.5	0.98	0.7	V300-Z-3-S-F-IXF-A170
API 200	IXF	Secondary	3	81.2	0.79	0.7	V300-Z-3-S-F-IXF-A200
API 230	IXF	Secondary	3	71.0	0.64	0.7	V300-Z-3-S-F-IXF-A230
API 270	IXF	Secondary	3	51.8	0.47	0.7	V300-Z-3-S-F-IXF-A270
API 325	IXF	Secondary	3	46.2	0.39	0.7	V300-Z-3-S-F-IXF-A325



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