

Product Catalog

Replacement Shaker Screen

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API Designation of Screen

API RP13C 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

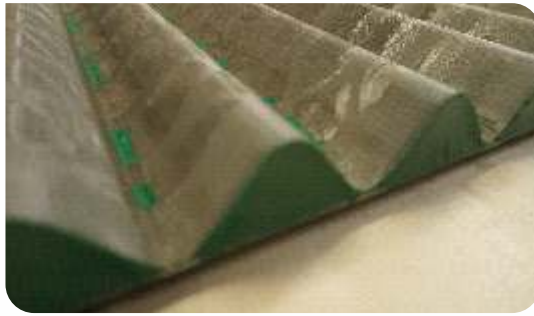
API Designation	Micron Range
API 635	18.5-22.5
API 500	22.5-28.5
API 450	28.5-35
API 400	35-41.5
API 325	41.5-49
API 270	49-58
API 230	58-69
API 200	69 to 82.5
API 170	82.5 to 98
API 140	98 to 116.5
API 120	116.5 to 137.5
API 100	137.5 to 165
API 80	165 to 196
API 70	196 to 231
API 60	231 to 275
API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

■ Screens for **Derrick*500** Series Shale Shaker

Indigo Separation Solution manufactures replacement screens for the Derrick 500* series shale shaker in IXF and IHP wire mesh combination as per API RP 13C regulation. We offer revolutionary three-dimensional multi-layered

screens with significant increase in usable screen area.

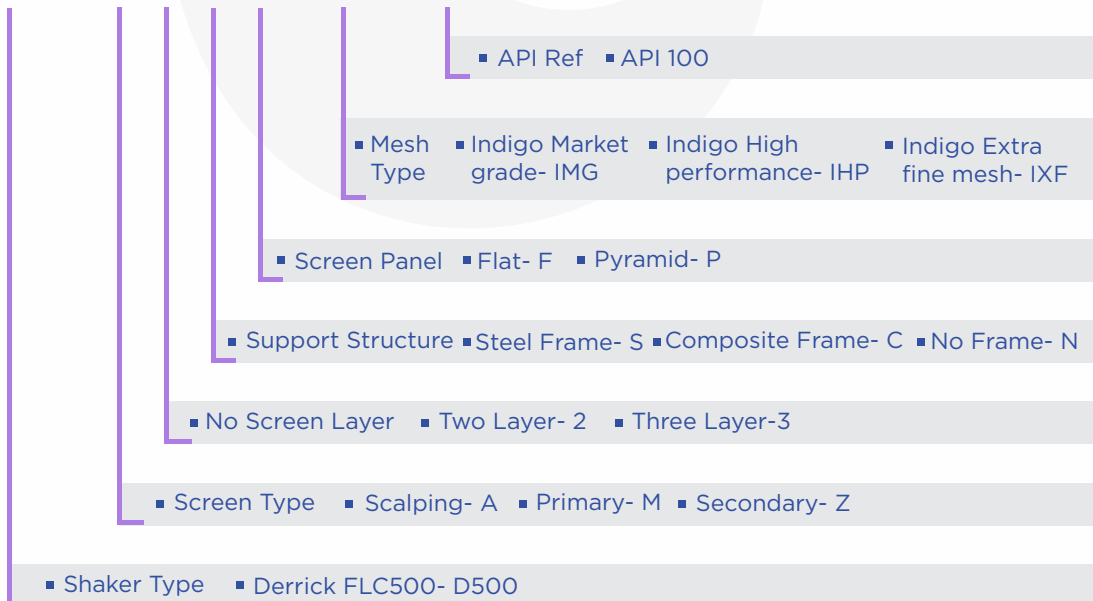
Indigo replacement screens provides maximum solids control efficiency assuring a high-quality product at an extremely competitive price.



Specification and Dimensions

Dimension	Weight
695mmx 1051mm	7.22kg

Screen Label Nomenclature
D500-M-3-N-P-IHP-A100



■ Screens for **Derrick*500** Series Shale Shaker

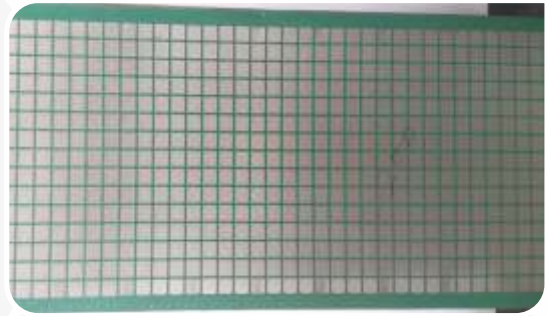
API Mesh	Mesh Type	Screen Type	Screen Layer	D100 Cut Point(μ)	Conductance (kD/mm)	Non-Blanked Area(sq.ft)	Part No.
API 20	IHP	Primary	2	831.0	14.05	7.1	D500-M-3-N-P-IHP-A20
API 30	IHP	Primary	2	610.0	8.59	7.1	D500-M-3-N-P-IHP-A30
API 35	IHP	Primary	2	498.7	5.91	7.1	D500-M-3-N-P-IHP-A35
API 40	IHP	Primary	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

* Derrick™ FLC500 Series are registered trademarks marks of Derrick Equipment Company

■ Screens for NOV* King Cobra Venom* Shale Shaker

Indigo Separation Solution manufactures replacement for NOV* King Cobra Venom* shale shaker in IXF and IHP wire mesh combination as per API RP 13C regulation. Our steel frame screens are

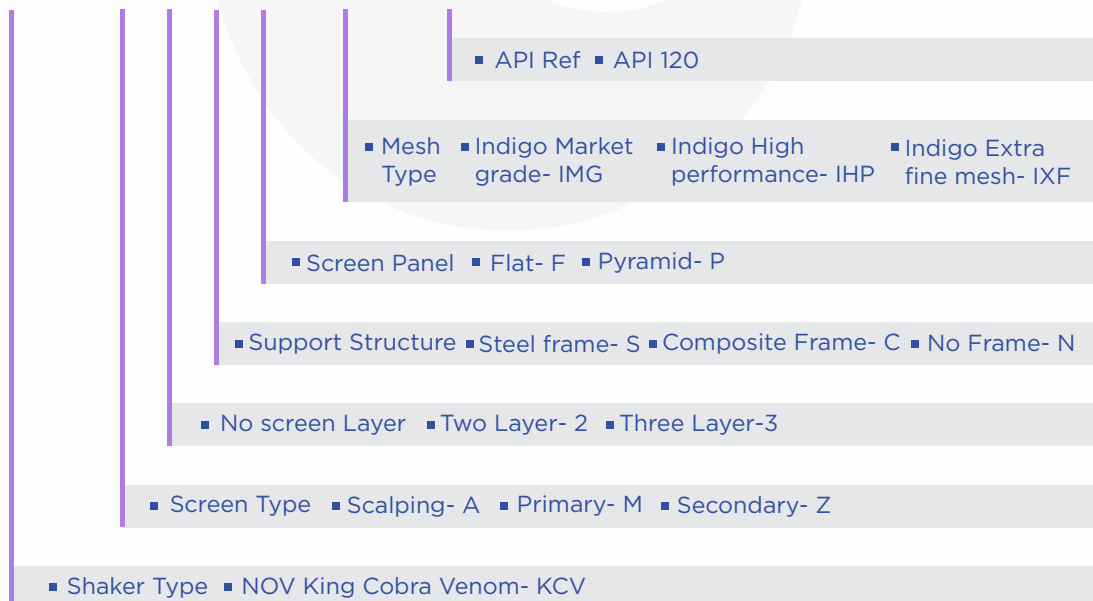
constructed of multiple screen layers bonded to a perforated metal steel frame offering quality, reliability, and performance at an extremely competitive price.



Specification and Dimensions

Dimension	Weight
1250mm x 635mm x 28mm	13kg

Screen Label Nomenclature KCV-M-3-S-F-IHP-A120



■ Screens for NOV* King Cobra Venom* Shale Shaker

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

NOV and King Cobra Venom are registered trademarks of National Oilwell Varco

■ Screens for **MI-Swaco*** Mongoose*PT Shale Shaker

Indigo Separation Solution manufactures replacement for MI Swaco* Mongoose*PT in IXF and IHP wire mesh combination as per API RP 13C regulation. Our steel frame screens are constructed of multiple

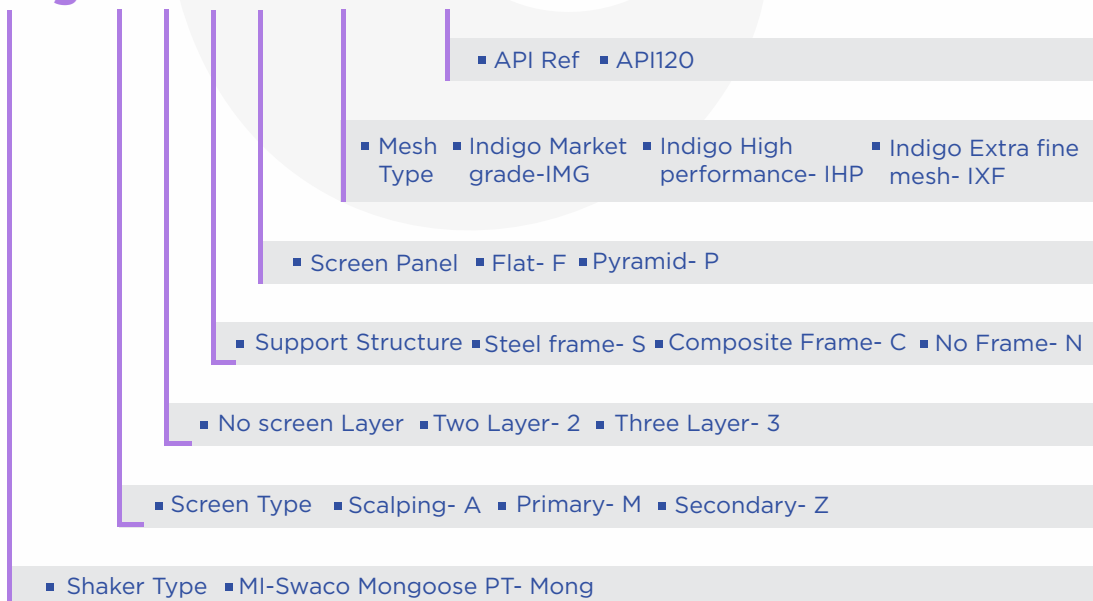
screen layers bonded to a perforated metal steel frame offering quality, reliability, and performance at an extremely competitive price.



Specification and Dimensions

Dimension	Weight
1165mm x 585mm x 40mm	15kg

Screen Label Nomenclature Mong-M-3-S-F-IHP-A120



■ Screens for **MI-Swaco*** Mongoose*PT Shale Shaker

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

*MI-Swaco and Mongoose are registered trademarks of MI, LLC

Screens for NOV* VSM300* Shale Shaker

Indigo Separation Solution manufactures replacement screens (primary, scalping, and secondary screens) for NOV* VSM300* shale shaker in IMG, IXF and IHP wire mesh combination as per API RP 13C regulation. We offer frame screens constructed of multiple screen layers bonded to a perforated

metal steel frame. Our team of dedicated specialist engineers can recommend most suitable screens for your specific shaker need based on well design programme for maximum solids control efficiency assuring a high-quality product at an extremely competitive price.

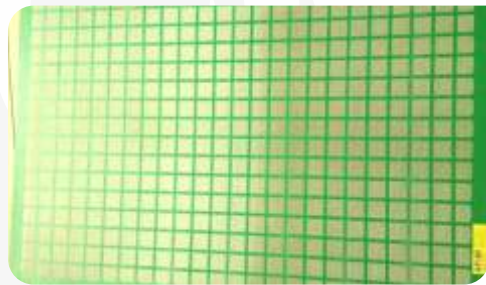
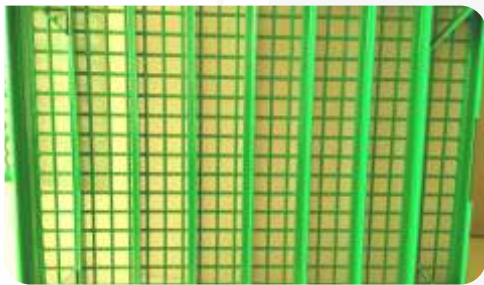
Secondary screens



Scalping Screens



Primary Screens

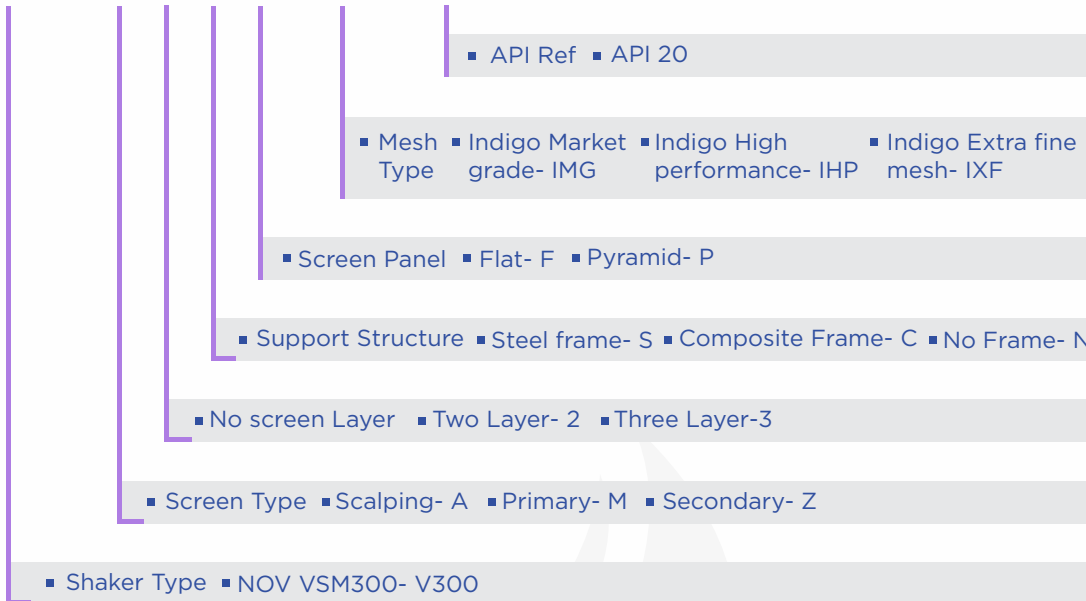


Specification and Dimensions

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

Screen Label Nomenclature

V300-A-2-S-F-IMG-A20



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	0.64	0.7	V300-Z-3-S-F-IXF-230
API 270	IXF	Secondary	3	51.8	0.47	0.7	V300-Z-3-S-F-IXF-270
API 325	IXF	Secondary	3	46.2	0.39	0.7	V300-Z-3-S-F-IXF-A325

*NOV and VSM 300 are registered trademarks of National Oilwell Varco

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