

Replace Screens Related Info

Aipu solids control, Co.ltd.. supports the API RP 13C screen labeling practice and has implemented this labeling on our complete screen panel products. API's NEW API RP 13C, the industries standard for physical testing and labeling procedures of shaker screens.

Initially screens were easy to describe. They were square mesh made with market grade wire. The mesh size was the number of openings per inch in two directions. The new recommended screen labeling practice provides the following API RP 13C information:

- API Designation***
- Conductance in kd/mm***
- D100 Value***
- Non-Blanked Open Area in Square Feet***

API RP 13C Compliant Screens API Designation

(micron opening size)

Non-blanked Area: xx (ft²)

Conductance: (kd/mm)

Manufacture's Designation

Country of Manufacturer

Conforms to API RP 13C

API RP 13C

Part Number Conversion Chart

Genesis Services, Inc. Mesh Designation	API RP 13C Screen Number	API RP 13C D100 (Micron)
DX 24	API 18	931
DX38	API 35	544
DX 50	API 45	355
DX 70	API 60	270
DX 120	API 120	120
GS 84	API 60	254
GS 110	API 70	225
GS 140	API 80	165
GS 175	API 100	156
GS 210	API 140	116
GS 250	API 170	98
DX 250	API 200	78
DX 270	API 230	66
DX 325	API 325	44
DX 400	API 400	35

D100 Separation and API Screen Number	
D100 Separation (Microns)	API Screen Number
925,0 to 1090,0	API 18
780,0 to 925,0	API 20
655,0 to 780,0	API 25
550,0 to 655,0	API 30
462,6 to 550,0	API 35
390,0 to 462,5	API 40
327,5 to 390,0	API 45
275,0 to 327,5	API 50
231,0 to 275,0	API 60
196,0 to 231,0	API 70
165,0 to 196,0	API 80
137,0 to 165,0	API 100
116,5 to 137,5	API 120
98,0 to 116,5	API 140
82,5 to 98,0	API 170
69,0 to 82,5	API 200
58,0 to 69,0	API 230
49,0 to 58,0	API 270
41,5 to 49,0	API 325
35,0 to 41,5	API 400

ALL API RP 13C TEST RESULTS ARE FROM AN INDEPENDENT
LAB. DATA IS FOR INFORMATIONAL PURPOSES

Aipu solids control

Aipu solids control, Co.ltd.. Replacement Screens includes, but not limited to:

☒Derrick® Equipment Company

☒NOV® Brandt™

☒National®

☒M-I SWACO®

☒Fluid Systems®

☒Vortex Fluid Systems®

☒Tri-Flo® International

☒ Mud Tech® International

☒KEMTRON®

☒Double Life®

☒Harrisburg®

☒Triton®

☒DFE®

☒RUFF®

☒SCOMI®

☒And more....

VORTEX FLUID SYSTEMS INC.
ORBITAL 3000 SERIES MUD CLEANERS & DRYING SHAKERS

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
VFS-3000 MB DX 24	API-18	931	13.329	5.56 Ft. Sq.
VFS-3000 MB DX 38	API-35	544	7.978	5.56 Ft. Sq.
VFS-3000 MB DX 50	API-45	355	4.345	5.56 Ft. Sq.
VFS-3000 MB DX 70	API-60	270	3.142	5.56 Ft. Sq.
VFS-3000 MB GS 84	API-60	254	2.136	5.56 Ft. Sq.
VFS-3000 MB GS 110	API-70	225	2.107	5.56 Ft. Sq.
VFS-3000 MB GS 140	API-80	165	1.663	5.56 Ft. Sq.
VFS-3000 MB GS 175	API-100	156	1.428	5.56 Ft. Sq.
VFS-3000 MB DX 120	API-120	123	1.392	5.56 Ft. Sq.
VFS-3000 MB GS 210	API-140	116	1.256	5.56 Ft. Sq.
VFS-3000 MB GS 250	API-170	98	1.212	5.56 Ft. Sq.
VFS-3000 MB DX 250	API-200	78	0.855	5.56 Ft. Sq.
VFS-3000 MB DX 270	API-230	66	0.576	5.56 Ft. Sq.
VFS-3000 MB DX 325	API-325	44	0.261	5.56 Ft. Sq.
VFS-3000 MB DX 400	API-400	35	0.143	5.56 Ft. Sq.

TRITON NNF*, HARRISBURG*, DFE*

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
TSS-HLM MB DX 24	API-18	931	13.329	7.01 Ft. Sq.
TSS-HLM MB DX 38	API-35	544	7.978	7.01 Ft. Sq.
TSS-HLM MB DX 50	API-45	355	4.345	7.01 Ft. Sq.
TSS-HLM MB DX 70	API-60	270	3.142	7.01 Ft. Sq.
TSS-HLM MB GS 84	API-60	254	2.136	7.01 Ft. Sq.
TSS-HLM MB GS 110	API-70	225	2.107	7.01 Ft. Sq.
TSS-HLM MB GS 140	API-80	165	1.663	7.01 Ft. Sq.
TSS-HLM MB GS 175	API-100	156	1.428	7.01 Ft. Sq.
TSS-HLM MB DX 120	API-120	123	1.392	7.01 Ft. Sq.
TSS-HLM MB GS 210	API-140	116	1.256	7.01 Ft. Sq.
TSS-HLM MB GS 250	API-170	98	1.212	7.01 Ft. Sq.
TSS-HLM MB DX 250	API-200	78	0.855	7.01 Ft. Sq.
TSS-HLM MB DX 270	API-230	66	0.576	7.01 Ft. Sq.
TSS-HLM MB DX 325	API-325	44	0.261	7.01 Ft. Sq.
TSS-HLM MB DX 400	API-400	35	0.143	7.01 Ft. Sq.

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DERRICK EQUIPMENT CORPORATION
DERRICK FLOW - LINE CLEANER 2000 & FLOW-LINE CLEANER PLUS(48 – 30)

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON -BLANK OPEN AREA
D-48 MB DX 24	API-18	931	13.329	6.01 Ft. Sq.
D-48 MB DX 38	API-35	544	7.978	6.01Ft. Sq.
D-48 MB DX 50	API-45	355	4.345	6.01Ft. Sq.
D-48 MB DX 70	API-60	270	3.142	6.01Ft. Sq.
D-48 MB GS 84	API-60	254	2.136	6.01Ft. Sq.
D-48 MB GS 110	API-70	225	2.107	6.01Ft. Sq.
D-48 MB GS 140	API-80	165	1.663	6.01Ft. Sq.
D-48 MB GS 175	API-100	156	1.428	6.01Ft. Sq.
D-48 MB DX 120	API-120	123	1.392	6.01Ft. Sq.
D-48 MB GS 210	API-140	116	1.256	6.01Ft. Sq.
D-48 MB GS 250	API-170	98	1.212	6.01Ft. Sq.
D-48 MB DX 250	API-200	78	0.855	6.01Ft. Sq.
D-48 MB DX 270	API-230	66	0.576	6.01 Ft. Sq.
D-48 MB DX 325	API-325	44	0.261	6.01Ft. Sq.
D-48 MB DX 400	API-400	35	0.143	6.01Ft. Sq.

MI SWACO
MONGOOSE PT*, MONGOOSE PRO*, MEERKAT*

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
MONGOOSE MB DX 24	API-18	931	13.329	5.30 Ft. Sq.
MONGOOSE MB DX 38	API-35	544	7.978	5.30 Ft. Sq.
MONGOOSE MB DX 50	API-45	355	4.345	5.30 Ft. Sq.
MONGOOSE MB DX 70	API-60	270	3.142	5.30 Ft. Sq.
MONGOOSE MB GS 84	API-60	254	2.136	5.30 Ft. Sq.
MONGOOSE MB GS 110	API-70	225	2.107	5.30 Ft. Sq.
MONGOOSE MB GS 140	API-80	165	1.663	5.30 Ft. Sq.
MONGOOSE MB GS 175	API-100	156	1.428	5.30 Ft. Sq.
MONGOOSE MB DX 120	API-120	123	1.392	5.30 Ft. Sq.
MONGOOSE MB GS 210	API-140	116	1.256	5.30 Ft. Sq.
MONGOOSE MB GS 250	API-170	98	1.212	5.30 Ft. Sq.
MONGOOSE MB DX 250	API-200	78	0.855	5.30 Ft. Sq.
MONGOOSE MB DX 270	API-230	66	0.576	5.30 Ft. Sq.
MONGOOSE MB DX 325	API-325	44	0.261	5.30 Ft. Sq.
MONGOOSE MB DX 400	API-400	35	0.143	5.30 Ft. Sq.

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FLUID SYSTEMS INC.
50*, 500*, & 5000* SERIES

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
FLUID SYSTEMS MB DX 24	API-18	931	13.329	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 38	API-35	544	7.978	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 50	API-45	355	4.345	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 70	API-60	270	3.142	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 84	API-60	254	2.136	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 110	API-70	225	2.107	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 140	API-80	165	1.663	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 175	API-100	156	1.428	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 120	API-120	123	1.392	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 210	API-140	116	1.256	6.26 Ft. Sq.
FLUID SYSTEMS MB GS 250	API-170	98	1.212	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 250	API-200	78	0.855	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 270	API-230	66	0.576	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 325	API-325	44	0.261	6.26 Ft. Sq.
FLUID SYSTEMS MB DX 400	API-400	35	0.143	6.26 Ft. Sq.

NOV BRANDT
COBRA, COBRA II, COBRA S, KING COBRA, KING COBRA II, KING COBRA +

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON -BLANK OPEN AREA
BKC MB DX 24	API-18	931	13.329	6.08 Ft. Sq.
BKC MB DX 38	API-35	544	7.978	6.08Ft. Sq.
BKC MB DX 50	API-45	355	4.345	6.08Ft. Sq.
BKC MB DX 70	API-60	270	3.142	6.08Ft. Sq.
BKC MB GS 84	API-60	254	2.136	6.08Ft. Sq.
BKC MB GS 110	API-70	225	2.107	6.08Ft. Sq.
BKC MB GS 140	API-80	165	1.663	6.08Ft. Sq.
BKC MB GS 175	API-100	156	1.428	6.08Ft. Sq.
BKC MB DX 120	API-120	123	1.392	6.08Ft. Sq.
BKC MB GS 210	API-140	116	1.256	6.08Ft. Sq.
BKC MB GS 250	API-170	98	1.212	6.08Ft. Sq.
BKC MB DX 250	API-200	78	0.855	6.08Ft. Sq.
BKC MB DX 270	API-230	66	0.576	6.08 Ft. Sq.
BKC MB DX 325	API-325	44	0.261	6.08Ft. Sq.
BKC MB DX 400	API-400	35	0.143	6.08Ft. Sq.

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NOV BRANDT VENOM

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
VENOM MB DX 24	API-18	931	13.329	6.08 Ft. Sq.
VENOM MB DX 38	API-35	544	7.978	6.08 Ft. Sq.
VENOM MB DX 50	API-45	355	4.345	6.08 Ft. Sq.
VENOM MB DX 70	API-60	270	3.142	6.08 Ft. Sq.
VENOM MB GS 84	API-60	254	2.136	6.08 Ft. Sq.
VENOM MB GS 110	API-70	225	2.107	6.08 Ft. Sq.
VENOM MB GS 140	API-80	165	1.663	6.08 Ft. Sq.
VENOM MB GS 175	API-100	156	1.428	6.08 Ft. Sq.
VENOM MB DX 120	API-120	123	1.392	6.08 Ft. Sq.
VENOM MB GS 210	API-140	116	1.256	6.08 Ft. Sq.
VENOM MB GS 250	API-170	98	1.212	6.08 Ft. Sq.
VENOM MB DX 250	API-200	78	0.855	6.08 Ft. Sq.
VENOM MB DX 270	API-230	66	0.576	6.08 Ft. Sq.
VENOM MB DX 325	API-325	44	0.261	6.08 Ft. Sq.
VENOM MB DX 400	API-400	35	0.143	6.08 Ft. Sq.

NOV BRANDT VSM 300 SCALPING DECK

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON -BLANK OPEN AREA
VSM300-S MB 10	*	*	*	3.79 Ft. Sq.
VSM300-S MB 20	*	*	*	3.79 Ft. Sq.
VSM300-S MB 30	*	*	*	3.79 Ft. Sq.
VSM300-S MB 40	*	*	*	3.79 Ft. Sq.
VSM300-S MB 50	*	*	*	3.79 Ft. Sq.
VSM300-S MB 60	*	*	*	3.79 Ft. Sq.
VSM300-S MB 70	*	*	*	3.79 Ft. Sq.

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**NOV BRANDT
VSM300 PRIMARY DECK**

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
VSM300 MB DX 24	API-18	931	13.329	3.63 Ft. Sq.
VSM300 MB DX 38	API-35	544	7.978	3.63 Ft. Sq.
VSM300 MB DX 50	API-45	355	4.345	3.63 Ft. Sq.
VSM300 MB DX 70	API-60	270	3.142	3.63 Ft. Sq.
VSM300 MB GS 84	API-60	254	2.136	3.63 Ft. Sq.
VSM300 MB GS 110	API-70	225	2.107	3.63 Ft. Sq.
VSM300 MB GS 140	API-80	165	1.663	3.63 Ft. Sq.
VSM300 MB GS 175	API-100	156	1.428	3.63 Ft. Sq.
VSM300 MB DX 120	API-120	123	1.392	3.63 Ft. Sq.
VSM300 MB GS 210	API-140	116	1.256	3.63 Ft. Sq.
VSM300 MB GS 250	API-170	98	1.212	3.63 Ft. Sq.
VSM300 MB DX 250	API-200	78	0.855	3.63 Ft. Sq.
VSM300 MB DX 270	API-230	66	0.576	3.63 Ft. Sq.
VSM300 MB DX 325	API-325	44	0.261	3.63 Ft. Sq.
VSM300 MB DX 400	API-400	35	0.143	3.63 Ft. Sq.

**NATIONAL OIL WELL
D235 SERIES**

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON -BLANK OPEN AREA
D235 MB DX 24	API-18	931	13.329	6.01 Ft. Sq.
D235 MB DX 38	API-35	544	7.978	6.01Ft. Sq.
D235 MB DX 50	API-45	355	4.345	6.01Ft. Sq.
D235 MB DX 70	API-60	270	3.142	6.01Ft. Sq.
D235 MB GS 84	API-60	254	2.136	6.01Ft. Sq.
D235 MB GS 110	API-70	225	2.107	6.01Ft. Sq.
D235 MB GS 140	API-80	165	1.663	6.01Ft. Sq.
D235 MB GS 175	API-100	156	1.428	6.01Ft. Sq.
D235 MB DX 120	API-120	123	1.392	6.01Ft. Sq.
D235 MB GS 210	API-140	116	1.256	6.01Ft. Sq.
D235 MB GS 250	API-170	98	1.212	6.01Ft. Sq.
D235 MB DX 250	API-200	78	0.855	6.01Ft. Sq.
D235 MB DX 270	API-230	66	0.576	6.01 Ft. Sq.
D235 MB DX 325	API-325	44	0.261	6.01Ft. Sq.
D235 MB DX 400	API-400	35	0.143	6.01Ft. Sq.

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**NATIONAL OIL WELL
D285P, D285DM, D285OCD SERIES**

PART NUMBER	API RP 13C	API D100 (microns)	CONDUCTANCE (kd / mm)	NON BLANKED AREA
D285P MB DX 24	API-18	931	13.329	5.60 Ft. Sq.
D285P MB DX 38	API-35	544	7.978	5.60 Ft. Sq.
D285P MB DX 50	API-45	355	4.345	5.60 Ft. Sq.
D285P MB DX 70	API-60	270	3.142	5.60 Ft. Sq.
D285P MB GS 84	API-60	254	2.136	5.60 Ft. Sq.
D285P MB GS 110	API-70	225	2.107	5.60 Ft. Sq.
D285P MB GS 140	API-80	165	1.663	5.60 Ft. Sq.
D285P MB GS 175	API-100	156	1.428	5.60 Ft. Sq.
D285P MB DX 120	API-120	123	1.392	5.60 Ft. Sq.
D285P MB GS 210	API-140	116	1.256	5.60 Ft. Sq.
D285P MB GS 250	API-170	98	1.212	5.60 Ft. Sq.
D285P MB DX 250	API-200	78	0.855	5.60 Ft. Sq.
D285P MB DX 270	API-230	66	0.576	5.60 Ft. Sq.
D285P MB DX 325	API-325	44	0.261	5.60 Ft. Sq.
D285P MB DX 400	API-400	35	0.143	5.60 Ft. Sq.

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