



SCREEN PANELS CATALOG

FRAME CONSTRUCTION

Each Fluid Systems screen frame is manufactured using high yield structural tubing. Dimensional tolerances are ensured with the use of machined welding fixtures. Each frame is inspected and checked for flatness before the screen manufacturing process begins.

SCREEN PANEL MANUFACTURING

All screens are manufactured with high quality stainless steel wire mesh. Each roll of wire cloth is checked for conformance to tolerances and visually inspected for weaving flaws before manufacturing begins. State of the art manufacturing equipment and a stringent quality assurance program ensures that only the highest quality screens are shipped. All screens comply with API RP13C (ISO 13501) standard.

SCREEN SERIES

FMD floMAX Square De-blinding series screens consist of two ultra fine square layers of cloth above a heavy support cloth. The light weight frame allows for less screen flexing and more g-force transfer between screen and shaker basket. The diamond shaped openings in the screen frame prevent liquid channeling by distributing the flow evenly across the screen surface.

- ▶ Advantages: Resistant to near size particle blinding, increased support under heavy loading, repairable.
- ▶ Disadvantages: None

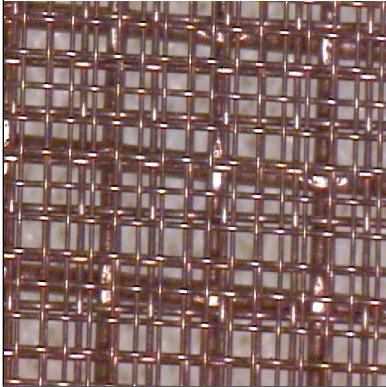
FMR floMAX Rectangle De-blinding series screens consist of two layers of durable rectangle opening wire cloth above a heavy support cloth mounted on our rugged but light weight floMAX series frame. The de-blinding characteristics of the three layer mesh configuration allows for better flow rate efficiency. The light weight frame allows for less screen flexing and more g-force transfer between screen and shaker basket. The diamond shaped openings in the screen frame prevent liquid channeling by distributing the flow evenly across the screen surface.

- ▶ Advantages: Resistant to blinding, long life, consistent volume handling, all purpose screens, repairable.
- ▶ Disadvantages: None

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SCREEN MESH STYLES

FMD SERIES



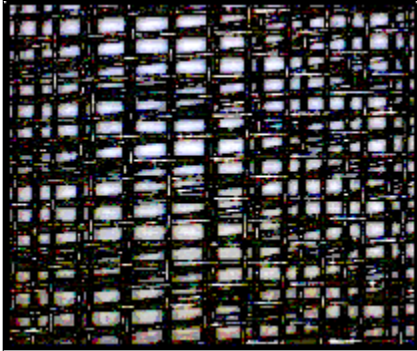
FMD Series screens utilize the two layers of ultra fine square mesh and one support layer with the addition of a perforated support plate and are available in mesh sizes from 24 to 450. The support plate offers extra support for heavy loading and reparability of damaged or worn sections of the screen panel. As with all Fluid Systems, Inc. O.E.M. screen panels, each screen is factory tensioned to eliminate improper tensioning in the field.

API RP 13C Screen Data				
Fluid Systems, Inc. Screen Mesh Types				
Screen	Mesh Number	API Screen Number	D100 microns	Conductance kD/mm
FMD 24	24	20	793	18.38
FMD 38	38	35	518	8.80
FMD 50	50	45	376	7.09
FMD 60	60	50	319	5.99
FMD 70	70	60	261	4.88
FMD 84	84	70	221	3.78
FMD 100	100	80	194	3.45
FMD 110	110	100	163	3.11
FMD 140	140	120	137	2.45
FMD 175	175	140	116	1.94
FMD 210	210	170	97	1.70
FMD 230	230	170	87	1.53
FMD 250	250	200	82	1.36
FMD 270	270	200	74	1.10
FMD 325	325	230	62	0.80
FMD 400	400	270	51	0.55
FMD 450	450	325	45	0.41

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FMR SERIES



FMR Series screens utilize rectangular weave wire cloth that is layered in a de-blinding configuration. The FMR screen panel also utilizes the perforated support plate. This series of screen panels are available in mesh sizes from 24 to 450. As with all Fluid Systems, Inc. O.E.M. screen panels, each screen is factory tensioned to eliminate improper tensioning in the field.

API RP 13C Screen Data				
Fluid Systems, Inc. Screen Mesh Types				
Screen	Mesh Number	API Screen Number	D100 microns	Conductance kD/mm
FMR 24	24	16	1179	16.42
FMR 38	38	25	701	12.48
FMR 40	40	25	661	11.21
FMR 50	50	35	514	8.77
FMR 60	60	40	418	7.24
FMR 70	70	45	351	6.92
FMR 84	84	60	272	4.71
FMR 110	110	70	202	3.55
FMR 140	140	80	169	2.78
FMR 150	150	100	164	2.47
FMR 175	175	120	136	2.16
FMR 210	210	140	114	1.85
FMR 230	230	170	86	1.68
FMR 250	250	200	82	1.68
FMR 270	270	230	69	1.25
FMR 325	325	230	62	0.97
FMR 400	400	270	49	0.78
FMR 450	450	325	43	0.56

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