

Filtration Data

Wire mesh screens.			1 Micron = 0.0000393 ins. = 10 ⁻³ mm			25 Microns = 0.001 ins (approx)		
MESH PER IN	SWG	HOLES PER IN ²	APERTURE INS.	APERTURE MM	% FREE AREA	MESHES PER CM	HOLES PER CM ²	MICRON RATING
10	23	100	0.0760	1.9290	58	3.93	15	1929
12	24	144	0.0610	1.5570	54	4.70	22	1557
16	28	256	0.0470	1.2110	58	6.30	40	1211
20	28	400	0.0350	0.8940	50	7.87	62	894
30	32	900	0.0220	0.5720	46	11.80	139	572
40	34	1600	0.0158	0.4012	40	15.75	248	401
60	37	3600	0.0099	0.2506	35	23.60	560	251
80	39	6400	0.0073	0.1854	34	31.50	995	185
100	41	10000	0.0056	0.1422	31	39.37	1550	142
120	43	14400	0.0047	0.1203	32	47.24	2240	120
150	45	22500	0.0039	0.0997	34	59.00	3481	100
180	47	32400	0.0036	0.0903	42	70.80	5020	90
200	47	40000	0.0030	0.0762	36	78.70	6200	76
250	48	62500	0.0024	0.0610	36	98.40	9680	61
300	48.5	90000	0.0019	0.0483	32	118.00	13924	48

Conversion tables

Pressure

MULTIPLY	BY	TO GIVE
Ins. of water	0.0361	Psi
Ins. of water	0.0735	Ins. of Mercury
Feet of water	0.4332	Psi
Feet of water	0.8824	Ins. of Mercury
Feet of water	0.305	Metres of water
Ins. of Mercury	0.4912	Psi
Ins. of Mercury	13.6	Ins. of water
Cms. Of Mercury	0.1934	Psi
Bars	14.5	Psi
Bars	33.5	Feet of water
Bars	750	mm of Mercury
Psi	27.71	Ins. of water
Psi	2.312	Feet of water
Psi	2.04	Ins. if Mercury
Psi	0.0689	Bars
Psi	0.0703	Kg/cm ²
Psi	703.08	Kg/m ²
Kg/cm ²	14.223	Psi
Kg/m ²	0.00142	Psi

Volume

MULTIPLY	BY	TO GIVE
Cubic ins.	16.39	Cubic cm
Cubic ins	1728	Cubic feet
Cubic feet	28316.83	Cubic cm
Cubic feet	6.23	Imp. gallons
Cubic feet	7.4805	U.S. gallons
Cubic feet	28.375	Litres
Imp. gallons	277.27	Cubic ins.
U.S. gallons	231.00	Cubic ins.
Imp. gallons	1.2	U.S. gallons
Imp. gallons	4.537	Litres
U.S. gallons	3.785	Litres
U.S. gallons	0.1337	Cubic feet
Litres	61.0	Cubic ins.
Litres	0.0353	Cubic feet
Litres	0.22	Imp. gallons
Litres	0.2642	U.S. gallons
Cubic metres	35.315	Cubic feet
Cubic feet	0.2832	Cubic metres
Barrels (oil)	42	U.S. gallons
Barrels (Imp.)	36	Imp. gallons
Barrels (Imp.)	164	Litres
Barrels (oil)	159	Litres

Area

MULTIPLY	BY	TO GIVE
Square inches	6.4516	Square cms
Square cms	0.155	Square ins.
Square cms	0.00108	Square feet
Square feet	929.03	Square cms

Density

MULTIPLY	BY	TO GIVE
Lbs. per Cubic in.	27.68	Grams per cubic cm
Grams per cubic cm	0.03613	Lb per cubic in.
Lb. per cubic ft.	16.0180	Kg. per cubic metre
Kg. per cubic m	0.06243	Lb. per cubic ft

Weight

MULTIPLY	BY	TO GIVE
Cubic ins. of water	0.0361	Lbs. (15°C)
Cubic feet of water	62.4	Lbs. (15°C)
Imp. gallons of water	10.0	Lbs. (15°C)
U.S. gallons of water	8.33	Lbs. (15°C)
Litres of water	2.2	Lbs. (15°C)
Kilograms	2.2	Lbs.

Length

MULTIPLY	BY	TO GIVE
Inches (ins.)	25.40	Millimetres (mm)
Inches (ins.)	2.540	Centimetres (cm)
Millimetres (mm)	0.03937	Inches (ins.)
Centimetres (cm)	0.3937	Inches (ins.)
Feet (ft.)	0.03048	Metres (m)
Metres (m)	3.281	Feet (ft.)
Yards (yds.)	0.9144	Metres (m)
Metres (m)	1.094	Yards (yds.)

Torque

MULTIPLY	BY	TO GIVE
Pounds force inches	0.113	Newton metres
Pounds force feet	1.356	Newton metres
Kilograms force centimetres	0.0981	Newton metres
Kilo Newton metres	1.0	Newton metres
Newton metres	8.85	Pounds force inches
Newton metres	0.7375	Pounds force feet
Newton metres	10.19	Kilograms force centimetres
Newton metres	1	Kilo Newton metres

Temperature

MULTIPLY	MINUS	BY	PLUS	TO GIVE
Fahrenheit	32	0.556	-----	Celsius
Celsius	-----	1.8	32	Fahrenheit