

MAXIMUM RECOMMENDED FLOW RATE THROUGH A STRAINER					
(Based on gpm water at 15 ft. per second velocity)					
PIPE SIZE (In.)	OD (In.)	STD Wall		XH Wall	
		GPM	BPH	GPM	BPH
2	2.375	157	224	138	197
3	3.5	346	494	309	441
4	4.5	595	850	538	768
6	6.625	1351	1930	1219	1741
8	8.625	2339	3341	2135	3050
10	10.75	3687	5267	3491	4987
12	12.75	5288	7554	5070	7242
14	14	6447	9209	6206	8865
16	16	8540	12200	8262	11803
18	18	10927	15609	10612	15160
20	20	13607	19438	13256	18937
24	24	19849	28356	19425	27750
30	30	31416	44880	30881	44116
36	36	45627	65181	44982	64260

SPECIFIC GRAVITY RANGES		
Service	Specific gravity	Barrels per metric ton
Naphtha light	0.66 - 0.70	9.55 - 9.01
Naphtha medium	0.70 - 0.75	9.01 - 8.40
Naphtha heavy	0.75 - 0.80	8.40 - 7.88
Crude oils	0.80 - 0.97	8.0 - 6.6
Motor gasoline	0.71 - 0.79	9.0 - 8.1
Kerosene	0.78 - 0.84	8.2 - 7.6
Gas oil	0.82 - 0.90	7.8 - 7.1
Diesel oil	0.82 - 0.92	7.8 - 6.9
Lubricating oil	0.85 - 0.95	7.5 - 6.7
Fuel oil	0.92 - 0.99	6.9 - 6.31
Asphaltic bitumens	1.00 - 1.10	6.4 - 5.8

ENERGY INDUSTRY CONVERSION		
Oil		
Cubic Measures		
1 cubic inch	=	16.387 cubic centimeters
1 kiloliter	=	1,000 liters
	=	6.2898 American barrels
1 liter	=	1,000 cubic centimeters
	=	0.035314 cubic foot
	=	61.024 cubic inches
	=	1.7597 pints
	=	0.26417 American gallon
1 hectoliter	=	100 liters
1 Amer. gallon	=	231 cubic inches
	=	0.133681 cubic foot
	=	3.7854 liters
	=	0.0238095 American barrel
	=	0.0037854 cubic meter
1 cubic foot	=	28.317 liters
	=	0.17811 American barrel
	=	7.4805 American gallons
	=	0.028317 cubic meter
	=	6.2288 Imperial gallons
1 Amer. barrel	=	9.702 cubic inches
	=	158.99 liters
	=	5.6146 cubic feet
	=	42 American gallons
	=	0.15899 cubic meter
1 cubic meter	=	35.315 cubic feet
	=	1,000 liters
	=	6.2898 American barrels
	=	264.17 American gallons
1 pint	=	0.5683 liter
Pressure		
1 psi	=	6.89476 kpascal
1 kg per cm ²	=	14.223 psi
1 bar	=	0.987 atmospheres
	=	750.1 mm Hg
	=	14.50 lbs per square inch
	=	1.020 kilogram force per square centimeters
1 lb per square inch	=	0.070 kilogram force per square inch