



Principali caratteristiche dei fluidi / Main fluid features

Tabelle di Conversione / Conversions Table

VISCOSITÀ - VISCOSITY

Viscosità cinematica Densità 1.0	Viscosità assoluta Centipoise	Gradi Engler					Gradi Barbey		Viscosità Assoluta Poise Densità 1.0	Viscosità Cinematica m ² /s
Kinematic viscosity Centistokes density 1.0	Absolute viscosity Centipoise	Engler Degrees	Saybolt Universal Seconds	Redwood 1 Seconds (standard)	Saybolt Seconds Furol	Ford Cup No. 4 Seconds	Barbey Degrees	Ford Cup No. 15 Seconds	Absolute Viscosity Poise Density 1.0	Kinematic viscosity m ² /s
1.0	1.0	1.0	31	29	-	-	-	-	0.01	1.0x10 ⁻⁶
2.0	2.0	1.1	34	30	-	-	3640	-	0.02	2.0x10 ⁻⁶
3.0	3.0	1.2	35	33	-	-	2426	-	0.03	3.0x10 ⁻⁶
4.0	4.0	1.3	37	35	-	-	1820	-	0.04	4.0x10 ⁻⁶
5.0	5.0	1.39	42	38	-	-	1300	-	0.05	5.0x10 ⁻⁶
6.0	6.0	1.48	45.5	40.5	-	-	1085	-	0.06	6.0x10 ⁻⁶
7.0	7.0	1.57	48.5	43	-	-	930	-	0.07	7.0x10 ⁻⁶
8.0	8.0	1.65	53	46	-	-	814	-	0.08	8.0x10 ⁻⁶
9.0	9.0	1.74	55	48.5	-	-	723	-	0.09	9.0x10 ⁻⁶
10	10	1.84	59	52	-	-	650	-	0.10	1.0x10 ⁻⁵
20	20	2.9	97	85	15	-	320	-	0.2	2.0x10 ⁻⁵
40	40	5.3	185	163	21	-	159	-	0.4	4.0x10 ⁻⁵
60	60	7.9	280	245	30	18.7	106	5.6	0.6	6.0x10 ⁻⁵
80	80	10.5	370	322	38	25.9	79	6.7	0.8	8.0x10 ⁻⁵
100	100	13.2	472	408	47	32	65	7.4	1.0	1.0x10 ⁻⁴
200	200	26.4	944	816	92	62	32.5	11.2	2.0	2.0x10 ⁻⁴
400	400	52.8	1888	1632	184	111	15.9	18.4	4.0	4.0x10 ⁻⁴
600	600	79.2	2832	2448	276	162	10.6	26.9	6.0	6.0x10 ⁻⁴
800	800	106	3776	3264	368	217	8.1	35	8.0	8.0x10 ⁻⁴
1000	1000	132	7080	4080	460	415	6.6	68	10	1.0x10 ⁻³
5000	5000	660	23600	20400	2300	1356	1.23	240	50	5.0x10 ⁻³
10000	10000	1320	47200	40800	4600	2713	-	481	100	1.0x10 ⁻²
50000	50000	6600	236000	204000	23000	13560	-	2403	500	5.0x10 ⁻²

Viscosità assoluta (centipoise) = Viscosità cinematica (centistokes) x densità. Oltre 50 centistokes utilizzare scala SSU -> SSU = centistokes x 4.62
 Absolute viscosity (centipoise) = Kinematic viscosity (centistokes) x density. Over 50 centistokes-conversion to SSU -> SSU = centistokes x 4.62

PORTATA - DELIVERY VOLUMES

m ³ /h	l/min	hl/h	imp.gall./min	US gall./min	cu. ft./h	cu. ft./sec.	m ³ /sec.
1.0	16.667	10.0	3.6667	4.3999	35.315	9.81x10 ⁻³	2.78x10 ⁻⁴
0.060	1.0	0.60	0.22	0.2642	2.1189	5.88x10 ⁻⁴	1.67x10 ⁻⁵
0.10	1.6667	1.0	0.3667	0.4399	3.5315	9.81x10 ⁻⁴	2.78x10 ⁻⁵
0.2727	4.546	2.7270	1.0	1.201	9.6326	1.67x10 ⁻³	7.57x10 ⁻⁵
0.2273	3.785	2.2732	0.8326	1.0	8.0208	2.23x10 ⁻³	6.31x10 ⁻⁵
0.0283	0.4719	0.2832	0.1038	0.1247	1.0	2.78x10 ⁻⁴	7.86x10 ⁻⁵
101.94	1699	1019.4	373.73	448.83	3600	1.0	0.0282
3600.0	6x10 ⁴	36000	1320	15838	127208	35.315	1.0

hl = ettolitro = litro x 10²
 hl = hectolitre = litre x 10²

PRESSIONE - PRESSURE AND PRESSURE HEADS

bar	kg/cm ²	lbf/sq. in.	atm	ft. H ₂ O	m H ₂ O	mm Hg	in. Hg	kPa
1.0	1.0197	14.504	0.9869	33.455	10.197	750.06	29.530	100
0.9807	1.0	14.223	0.9878	32.808	10	735.56	28.959	98.07
0.0689	0.0703	1.0	0.0609	2.3067	0.7031	51.715	2.036	6.89
1.0133	1.0332	14.696	1.0	33.889	10.332	760.0	29.921	101.3
0.0299	0.0305	0.4335	0.0295	1.0	0.3048	22.420	0.8827	2.99
0.0981	0.10	1.422	0.0968	3.2808	1.0	73.356	2.896	9.81
13.3x10 ⁻⁴	0.0014	0.0193	13.2x10 ⁻⁴	0.0446	0.0136	1.0	0.0394	0.133
0.0339	0.0345	0.4912	0.0334	1.1329	0.3453	25.40	1.0	3.39
1.0x10 ⁻⁵	10.2x10 ⁻⁶	14.5x10 ⁻⁵	9.87x10 ⁻⁶	3.34x10 ⁻⁴	10.2x10 ⁻⁵	75.0x10 ⁻⁴	29.5x10 ⁻⁵	1.0

atm = atmosfera internazionale standard - kg/cm² = metric atmosphere
 atm = international standard atmosphere - kg/cm² = metric atmosphere

TEMPERATURE - TEMPERATURE (CONVERSIONE - CONVERSION)

$$^{\circ}\text{C} = \frac{5}{9} (^{\circ}\text{F} - 32); \quad ^{\circ}\text{F} = \frac{9}{5} ^{\circ}\text{C} + 32$$

