

# Tabla de conversión

## PRESIÓN

DE	A	MULTIPLICADO POR	EJEMPLO
atm (atmosfera)	bar	101.325	1.1 atm x 1.01325 = 1.115 bar
atm	MPa	0.10132	1.1 atm x 0.10132 = 0.111 MPa
atm	PSI	14.696	1.1 atm x 14.696 = 16.166 PSI
bar	atm	0.98692	10 bar x 0.98692 = 9.8692 atm
bar	MPa	0.1	10 bar x 0.1 = 1.0 MPa
bar	PSI	14.504	10 bar x 14.504 = 145 PSI
MPa (megapascal)*	atm	98.692	10 MPa x 9.8692 = 98.692 atm
MPa	bar	10	10 MPa x 10 = 100 bar
MPa	PSI	145.0	10 MPa x 145.0 = 1450 PSI
PSI (libras / pulgada cuadrada)	atm	0.068	100 PSI x 0.068 = 6.80 atm
PSI	bar	0.0689	100 PSI x 0.0689 = 6.89 bar
PSI	MPa	0.00689	100 PSI x 0.00689 = 0.689 MPa
kp/cm2 (kilolibra / cm2)	bar	0.981	10 kp/cm2 x 0.981 = 9.81 bar
kp/cm2	MPa	0.0981	10 kp/cm2 x 0.0981 = 0.981 MPa
kp/cm2	PSI	14.223	10 kp/cm2 x 14.223 = 142.2 PSI

## CAUDAL

DE	A	MULTIPLICADO POR	EJEMPLO
CFM (pie cúbico / minuto)	l/min	28.32	100 CFM x 28.32 = 2832 l/min
CFM	l/s	0.472	100 CFM x 0.472 = 47.2 l/s
CFM	m3/h	1.699	100 CFM x 1.699 = 169.9 m3/h
l/min (litro / minuto)	CFM	0.0353	100 l/min x 0.0353 = 3.5 CFM
l/min	l/s	0.0167	100 l/min x 0.0167 = 1.7 l/s
l/min	m3/h	0.06	100 l/min x 0.06 = 6 m3/h
l/s (litro / segundo)*	CFM	2.119	10 l/s x 2.119 = 21.2 CFM
l/s	l/min	60	10 l/s x 60 = 600 l/min
l/s	m3/h	3,6	10 l/s x 3,6 = 36 m3/h
m3/h (metro cúbico / hora)	CFM	0.5885	10 m3/h x 0.5885 = 5.885 CFM
m3/h	l/min	16.667	10 m3/h x 16.667 = 166.7 l/min
m3/h	l/s	0.2777	10 m3/h x 0.2777 = 2.777 l/s
GPM us (galón / minuto)	l/min	37.854	10 GPM us x 3.7854 = 37.85 l/min
GPM uk	l/min	45.461	10 GPM uk x 4.5461 = 45.46 l/min

## VOLUMEN

### DE

ft<sup>3</sup> (pie cúbico)  
ft<sup>3</sup>  
ft<sup>3</sup>  
ft<sup>3</sup>  
gl UK (galón UK)  
gl UK  
gl UK  
gl UK  
gl U.S. (galón U.S.)  
gl U.S.  
gl U.S.  
gl U.S.  
l (litro)  
l  
l  
l  
m<sup>3</sup> (metro cúbico)\*  
m<sup>3</sup>  
m<sup>3</sup>  
m<sup>3</sup>

### A

gl UK  
gl U.S.  
l  
m<sup>3</sup>  
ft<sup>3</sup>  
gl U.S.  
l  
m<sup>3</sup>  
ft<sup>3</sup>  
gl UK  
l  
m<sup>3</sup>  
ft<sup>3</sup>  
gl UK  
gl U.S.  
m<sup>3</sup>  
ft<sup>3</sup>  
gl UK  
gl U.S.  
l

### MULTIPLICADO POR

6.228  
7.48  
28.32  
0.0283  
0.1605  
12.009  
4.546  
0.0045  
0.1336  
0.8326  
3.785  
0.0037  
0.0353  
0.220  
0.264  
0.001  
35.3  
219.96  
264.17  
1000

### EJEMPLO

10 ft<sup>3</sup> x 6.228 = 62.28 gl UK  
10 ft<sup>3</sup> x 7.48 = 74.8 gl U.S.  
10 ft<sup>3</sup> x 28.32 = 283.2 l  
10 ft<sup>3</sup> x 0.0283 = 0.283 m<sup>3</sup>  
10 gl UK x 0.1605 = 1.605 ft<sup>3</sup>  
10 gl UK x 1.2009 = 12.009 gl U.S.  
10 gl UK x 4.546 = 45.46 l  
10 gl UK x 0.0045 = 0.045 m<sup>3</sup>  
10 gl U.S. x 0.1336 = ft<sup>3</sup>  
10 gl U.S. x 0.8326 = 8.326 gl UK  
10 gl U.S. x 3.785 = 37.85 l  
10 gl U.S. x 0.0037 = 0.037 m<sup>3</sup>  
100 l x 0.0353 = 3.53 ft<sup>3</sup>  
100 l x 0.220 = 22.0 gl UK  
100 l x 0.264 = 26.4 gl U.S.  
100 l x 0.001 = 0.1 m<sup>3</sup>  
10 m<sup>3</sup> x 35.3 = 353 ft<sup>3</sup>  
10 m<sup>3</sup> x 219.96 = 2199.6 gl UK  
10 m<sup>3</sup> x 264.17 = 2641.7 gl U.S.  
10 m<sup>3</sup> x 1000 = 10 000 l

Para asegurar que la bomba y el sistema sean químicamente compatibles, es necesario utilizar la siguiente guía:

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## Guía Química

Chemical Formula	ELASTOMERS								METAL PARTS				PLASTICS							
	NITRILE (Polybutadiene)	NBR/EPDM	NITRILE	E.P.F.A.M.	HTSEAL*	(FKM) FLUOROCARBON	BLUE EPDM*	PTFE, PFA	ETHYLENE*	SANTOPRENE*	ALUMINUM	CAST IRON/STEEL	STAINLESS-STEEL	Alloy C (Nubleyr Copoly.)	POLYPROPYLENE	ACETAL	PPDF	NYLON	NYTOW*	UBAN* POLYETHYLENE
Acetate Solvents Et <sub>2</sub> O, DGB	X	X	X			X		A		A	B	A	A	X	X	A	A	A	A	B <sup>100</sup>
Acetic Acid 20%	B	D	C	A	A	C		A	A	B		A	A	C	D	A	B	A		A <sup>100</sup>
Acetic Acid 30%	X	D	C	A	A	X		A	A	B	X	A	A	C	D	B	B			A <sup>100</sup>
Acetic Acid 50% Et <sub>2</sub> O, DGB	C	C	C	A		C		A	A	B	X	A	A	C	B	B	B			A <sup>100</sup>
Acetylene (Ethyne) HC≡CH		C	A	A	A	A	A	A	A	C	A	A	A	A	X	A	A	B	A	
Americium Nitrate NH <sub>4</sub> NO <sub>3</sub>		B	A	A	B	A	A	A		A	B	B	A	A	A	B	A	C		A <sup>100</sup>
Americium Nitrate NH <sub>4</sub> NO <sub>3</sub>		A	A					A	A	A				100A		A				
Aniline (Aniline Oil) (Aniline Benzene) C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	X	X	X	C	X	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B <sup>100</sup>
Aniline Dyes	X	C	C	C		B	A	A	A	B	B	C	B							
Aniline Hydrochloride C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> ·HCl		X	C			B		A		A	X	X	X		X		A	X		C <sup>100</sup>
Animal Fat & Oils	A	C	A	B	B	A		A		C	A	X	A	A			A			
Animal Gelatin	A	A	A	A		A		A					A							
Ant-Freeze (Alcohol Base)	X	A	A	A		A		A			A	A	A	A						
Ant-Freeze (Glycol Base) (Theatone® Etc.)	B	B	A	A		A		A		A	A	A	A	A						
Aqua Regia (Nitric & Hydrochloric Acid)	X	X	X	X		B	X	A	A	X	X	X	X	C	C	X	A	X	X	B
Aromatic Hydrocarbons	X	X		C	A			A		C	A	A	A							
Aromatic Solvents (Benzene Etc.)	X	X	C	X		B		A			A	B	A	B						
Asphalt	B	C	D	X	B	A	A	A	A	B	A	B	A		A	B	A	A		
ASTM Ref #1 #1 (High Aromatic) (Hydrocarbons)	A	B	A	X	A	A		A		A	A	A	A	A						
ASTM Ref #2 #1 (Medium Aromatic) (Hydrocarbons)	B	B	A	X	A	A		A		A	A	A	A	A						
ASTM Ref #3 #1 (Low Aromatic) (Hydrocarbons)	B	C	A	X	A	A		A		B	A	A	A	A						
ASTM Ref #4 #1 (High Aromatic) (Hydrocarbons)	X	X	B	X		A		A			A	A	A	A						
ASTM Ref Motor Fuel #1 (Highly) (Hydrocarbons)	A	B	A	X	A	A		A			A	A	A	A						
ASTM Ref Motor Fuel #2 (30% Aromatic) (Hydrocarbons)	B	X	A	X	A	A		A			A	A	A	A						



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