



BS&B SAFETY SYSTEMS, L.L.C.
BS&B SAFETY SYSTEMS LTD.

Conversion Factors

CATALOG
77-1004



Length, Area, Volume		
From	To	Multiply by
inch	centimeter	2.54
inch	millimeter	25.4
feet	meter	0.3048
centimeter	inch	0.3937
meter	feet	3.2808
square inch	square centimeter	6.4516
square feet	square meter	0.0929
square centimeter	square inch	0.155
square meter	square feet	10.764
cubic inch	cubic centimeter	16.3871
cubic inch	litre	0.016387
cubic feet	cubic meter	0.028317
cubic centimeter	litre	1000
gallon (U.S.)	cubic centimeter	3785
gallon (U.S.)	litre	3.785
cubic centimeter	cubic inch	0.06102
litre	cubic inch	61.02
cubic meter	cubic feet	35.315
cubic centimeter	gallon (U.S.)	0.0002642
litre	gallon (U.S.)	0.2642
gallon (Imperial)	gallon (U.S.)	1.2
gallon (U.S.)	gallon (Imperial)	0.8327
gallon (Imperial)	litre	4.546
litre	gallon (Imperial)	0.22

Mass, Density, Specific Volume		
From	To	Multiply by
lb	kg	0.453592
kg	lb	2.20462
lb/ft ³	kg/m ³	16.0185
kg/m ³	lb/ft ³	0.0624280
ft ³ /lb	m ³ /kg	0.0624280
m ³ /kg	ft ³ /lb	16.01850



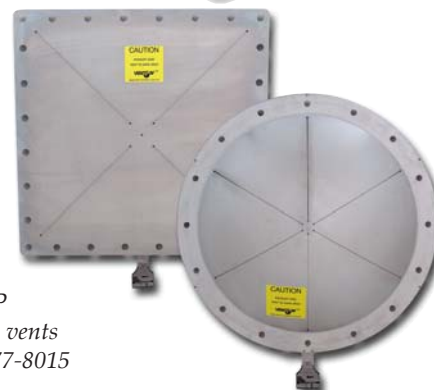
LPS and SRB-7RS
Catalogs #77-4001
and #77-4002



MB graphite disk
Catalog #77-8500



ABAS+ sensor
Catalog #77-1010



EXP
explosion vents
Catalog #77-8015

Force, Torque		
From	To	Multiply by
lb	N (Newton)	4.44822
N (Newton)	lb	0.224809
ft-lb	kg-meter	0.1383
kg-meter	ft-lb	7.233
ft-lb	N-meter	1.3558
N-meter	ft-lb	0.7376

Temperature		
From	To	Conversion
°C	°F	multiply by 9/5 and add 32
°F	°C	subtract 32 and multiply by 5/9
°F	°R	add 459.67
°R	°F	subtract 459.67
°C	K	add 273.15
K	°C	subtract 273.15

Flow Rate		
From	To	Multiply by
lb/hr	kg/hr	0.4536
kg/hr	lb/hr	2.2046
gal/min	litre/min	3.7854
litre/min	gal/min (U.S.)	0.2642
gal/min (U.S.)	kg/hr (H ₂ O @ 4°C)	227.00
kg/hr (H ₂ O @ 4°C)	gal/min (U.S.)	0.0044
ft ³ /min	m ³ /min	0.0283168
m ³ /min	ft ³ /min	35.315

Pressure		
From	To	Multiply by
Atm	in. Hg (Mercury)	29.92
Atm	kg/cm ²	1.0333
Atm	psi	14.7
Atm	in. H ₂ O (at 4°C)	406.86
bar	psi	14.504
bar	kPa	100
in. Hg (at 0°C)	Atm	0.03342
in. Hg (at 0°C)	psi	0.4912
in. H ₂ O (at 4°C)	psi	0.03613
mmHg	mm H ₂ O (at 4°C)	13.6
kg/cm ²	Atm	0.9678
kg/cm ²	psi	14.22
kPa	psi	0.14504
kPa	bar	0.01
MPa	psi	145.04
N/mm ²	psi	145.04
psi	Atm	0.06804
psi	bar	0.06895
psi	in. Hg (at 0°C)	2.03583
psi	in. H ₂ O (at 4°C)	27.6778
psi	kg/cm ²	0.07032
psi	kPa	6.895
psi	MPa	0.006895
psi	N/mm ²	0.006895
psi	torr	51.71
torr	psi	0.01934
mbar	in. H ₂ O (at 4°C)	0.4014388

Pressure (sea level conversion)		
From	To	Conversion
psia	psig	subtract 14.7 psi
psig	psia	add 14.7 psi



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