

TORQUE CONVERSION FACTORS									
Units to be converted ▼	AMERICAN STD.			METRIC			INTERNATIONAL SYSTEM - S.I.		
	oz-in	lb-in	lb-ft	g-cm	kg-cm	kg-m	mN-m	cN-m	N-m
1 oz - in =	1	0.0625	0.005	72	0.072	0.0007	7.062	0.706	0.007
1 lb - in =	16	1	0.083	1152.1	1.152	0.0115	113	11.3	0.113
1 lb - ft =	192	12	1	13826	13.83	0.138	1356	135.6	1.356
1 g - cm =	0.014	0.0009	0.000 07	1	0.001	0.00001	0.098	0.01	0.0001
1 kg - cm =	13.89	0.868	0.072	1000	1	0.01	98.07	9.807	0.098
1 kg - m =	1389	86.8	7.233	100000	100	1	9807	980.7	9.807
1 mN - m =	0.142	0.009	0.0007	10.2	0.01	0.0001	1	0.1	0.001
1 cN - m =	14.16	0.088	0.007	102	0.102	0.001	10	1	0.01
1 N - m =	141.6	8.851	0.738	10197	10.20	0.102	1000	100	1

**VALVE ACTUATORS • PNEUMATIC • HYDRAULIC • ELECTRIC**

**BIFFI** **descote** **fasani** *Neotech* **raimondi** **vanessa**

Bar	Newton/M <sup>2</sup> (Pascal)	Kilopond/M <sup>2</sup>	Kilopond/Cm <sup>2</sup>	Atmosphere	Pounds/Ft <sup>2</sup>	Pounds/Inch <sup>2</sup>
1 X 10 <sup>-5</sup>	1	1.020 x 10 <sup>-1</sup>	1.020 x 10 <sup>-5</sup>	9.869 x 10 <sup>-6</sup>	2.088 x 10 <sup>-2</sup>	1.45 x 10 <sup>-4</sup>
1	1 x 10 <sup>5</sup>	1.020 x 10 <sup>-4</sup>	1.020	9.869 x 10 <sup>-1</sup>	2.088 x 10 <sup>3</sup>	14.5
9.807 x 10 <sup>-5</sup>	9.807	1	1x 10 <sup>-4</sup>	9.678 x 10 <sup>-5</sup>	2.048 x 10 <sup>-1</sup>	1.422 x 10 <sup>-3</sup>
9.807 x 10 <sup>-1</sup>	9.807 x 10 <sup>4</sup>	1 x 10 <sup>4</sup>	1	9.678 x 10 <sup>-1</sup>	2.048 x 10 <sup>3</sup>	14.220
1.013	1.013 x 10 <sup>5</sup>	1.033 x 10 <sup>4</sup>	1.033	1	2.116 x 10 <sup>3</sup>	14.693
4.789 x 10 <sup>-4</sup>	47.893	4.884	4.884 x 10 <sup>-4</sup>	4.726 x 10 <sup>-4</sup>	1	6.944 x 10 <sup>-3</sup>
6.897 x 10 <sup>-2</sup>	6.897 x 10 <sup>3</sup>	7.033 x 10 <sup>2</sup>	7.033 x 10 <sup>-2</sup>	6.806 x 10 <sup>-2</sup>	1.440 x 10 <sup>2</sup>	1

## Tyco Valve Automation

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