

When doing selection of the slurry pump, we always meet all kind of units of pressure, and flow rate. Excellence offers the usual units exchange so that you could get the familiar unit quickly.

Table 1.

Pressure unit exchange table							
	KPa	kg/cm ²	bar	Psi	mmHg	mH ₂ O	inH ₂ O ^{20°C}
KPa	1	0.010197	0.01	0.145037	7.50062	0.101972	4.02186
kg/cm ²	98.0665	1	0.980665	14.2233	735.559	10	394.41
bar	100	1.01972	1	14.5038	750.062	10.1972	402.186
Psi	6.89476	0.070307	0.068948	1	51.7149	0.70307	27.7299
mmHg	0.133322	0.00136	0.001333	0.019337	1	0.013595	0.536243
mH ₂ O	9.80665	0.1	0.098067	1.42233	73.5559	1	39.4n41
inH ₂ O ^{20°C}	0.248641	0.002535	0.002486	0.036062	1.86497	0.025354	1

Table 2.

Volume flow rate unit exchange table						
	l/min	m ³ /h	ft ³ /h	gal/min(GB)	gal/min(US)	l/s
l/min	1	0.06	2.1189	0.21997	0.264188	0.0167
m ³ /h	16.667	1	35.314	3.667	4.403	0.2778
Ft ³ /h	0.4719	0.02832	1	0.1038	0.1247	7.8657x10 ⁻³
gal/min(GB)	4.546	0.02727	9.6325	1	1.20032	7.5768x10 ⁻²
gal/min(US)	3.785	0.2273	8.0208	0.8326	1	6.3090x10 ⁻²
l/s	60	3.6	127.1328	13.19816	15.8503	1

Table 3.

Mass flow rate unit exchange table						
	kg/h	kg/min	kg/s	t/h	lb/h	lb/s
kg/h	1	16.7x10 ⁻³	278x10 ⁻⁶	0.001	2.205	612x10 ⁻⁶
kg/min	60	1	16.7x10 ⁻³	0.06	132.3	36.7x10 ⁻³
kg/s	3600	60	1	3.6	7.9x103	2.205
t/h	1000	16.7	278x10 ⁻³	1	2205	612x10 ⁻³
lb/h	0.454	7.56x10 ⁻³	126x10 ⁻⁶	0.454x10 ⁻³	1	278x10 ⁻⁶
lb/s	1633	27.2	0.454	1.63	3600	1