

Pressure

CONVERT TO FROM

Pressure Multiplying Factors

-	PSI	mm(HG)Torr	ATMOS	BAR	kgf/cm 2	pascal	Kpa
Psi (lbf/in 2)	1	27.6779	0.068046	0.06895	0.070307	6894.76	6.89476
mmHg (Torr)	0.019337	1	0.0013158	0.00133	0.0013591	133.322	0.13332
Atmos	14.6959	406.781	1	1.01325	1.03323	101325	101.325
Bar	14.504	401.463	0.9869	1	1.0197	100000	100
Kg/cm 2	14.2233	393.7	0.967841	0.980665	1	98066.5	98.0665
Pascal	0.000145	0.004015	0.0000099	0.00001	0.0000102	1	0.001
Kpa	0.14504	7.501	0.0099	0.01	0.0102	1000	1

Flow

CONVERT TO FROM

FLOW MULTIPLYING FACTORS

-	Litre/min	m 3/min	m 3/hour	scfm
Litre/min	1	0.001	0.060	0.035315
m 3/sec	60000	60	3600	2118.88
m 3/min	1000	1	60	353.148
m 3/hour	16.6667	0.0166667	1	.588578
scfm	28.31682	0.0283168	1.699	1

Maximum flow in pipelines

NOMINAL BORE	NOMINAL BORE	AT MAIN VELOCITY OF		AT BRANCH VELOCITY OF	
		Nm 3/h	scfm	Nm 3/h	scfm
6	1/8	4	2	11	6
8	1/4	11	6	29	17
10	3/8	18	11	43	25
15	1/2	36	21	90	53
20	3/4	61	36	144	85
25	1	90	53	216	127
32	1¼	180	106	450	265
40	1½	234	138	576	339
50	2	360	212	900	530
65	2	648	382	1620	954

80	3	864	509	2160	1272
100	4	1476	869	-	-
125	5	2196	1293	-	-
150	6	3240	1908	-	-
200	8	5760	3392	-	-
250	0	9000	5300	-	-
300	12	12960	7632	-	-

ISO 8573-1:2001 Standards

QUALITY CLASS	SOLID PARTICLE			WATER MAXMIM PRESSURE	MAXIMUM OIL CONTENT mg/m
	MAXIMUM NUMBER OF PARTICLES PER m 2			DEWPOINT	3
				(PPM. Vol) at7 Kg/cm 2	(including oil vapour)
	0.1-0.5 micron	05-1 micron	1.0-5 micron		
1	100	1	0	-70 (0.3)	0.01
2	100000	100	10	-40 (16)	0.1
3	-	10000	500	-20 (128)	1
4	-	-	1000	+3 (940)	5
5	-	-	20000	+7 (1240)	-
6	-	-	-	+10 (1500) -	-