2003

January

		01	02	03	04	
05	06	07	08	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February

						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

March

						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April

		01	02	03	04	05
06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May

			01	02	03	
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June

01	02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July

		01	02	03	04	05
06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August

					01	02
03	04	05	06	07	08	09
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September

	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October

		01	02	03	04	
05	06	07	08	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November

						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December

	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Jetstream®

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1-800-231-8192

Quick Reference Conversion Charts

Metric Equivalents

Measurement	Conversion	Example
Length	1 in. = 25.4 mm	12 in. x 25.4 = 304.8 mm
	1 in. = .0254 m	120 in x .0254 = 3.05 m
	1 ft. = .3048 m	12 ft. x .3048 = 3.68 m
	1 mm = .03937 in.	100 mm x .03937 = 3.94 in.
	1 m = 39.37 in.	10 m x 39.37 = 393.7 in.
	1 m = 3.281 ft.	10 m x 3.281 = 32.81 ft.
Weight	1 lb. = .454 kg	10 lbs. x .454 = 4.54 kg
	1 kg = 2.205 lbs.	10 kg x 2.205 = 22.05 lbs.
Pressure	1 psi = .069 bar	20,000 psi x .069 = 1,380 bar
	1 bar = 14.5 psi	1,000 bar x 14.5 = 14,500 psi
Flow	1 gpm = 3.785 lpm	30 gpm x 3.785 = 113.55 lpm
	1 lpm = .264 gpm	100 lpm x .264 = 26.4 gpm
Force	1 lb. (f) = 4.44 N	100 lbs. (f) x 4.44 = 444 N
	1 N = .2248 lbs. (f)	900 N x .2248 = 202.32 lbs. (f)
Power	1 hp = .7457 kw	50 hp x .7457 = 37.29 kw
	1 kw = 1.341 hp	50 kw x 1.341 = 67.05 hp

Quick-Reference Pressure

U.S.	Metric	Metric (Rounded)
36,000 psi	2,484 bar	2,500 bar
30,000 psi	2,070 bar	2,070 bar
20,000 psi	1,380 bar	1,400 bar
15,000 psi	1,035 bar	1,050 bar
13,000 psi	897 bar	900 bar
10,000 psi	690 bar	700 bar
5,000 psi	345 bar	350 bar
3,000 psi	207 bar	230 bar
1,000 psi	69 bar	70 bar

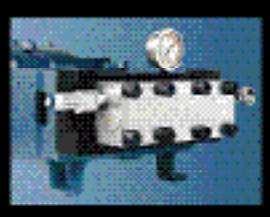
Power Requirement Calculations

English	Metric
$hp = \frac{gpm \times psi}{1550}$	$kw = \frac{lpm \times bar}{600}$

Jetstream

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FLUID END CONVERSIONS



BARE SHAFT PUMPS



COMPLETE UNITS



PORTABLE SOLUTIONS



COMPLETE LINE OF ACCESSORIES

Pressure Drop (psi)

Flow / GPM	Hose or Lance Size (NPT) 1/16	1/8	1/4	3/8	1/2	3/4	1
2	680	222	60	10	2	0.3	0.07
4	2715	890	240	38	9	1.2	0.28
6	6110	2002	539	86	21	2.7	0.64
8	10864	3560	959	154	38	4.8	1.1
10	16975	5562	1498	240	57	7.5	1.8
12		8010	2157	346	82	10	2.5
14		10902	2936	470	112	15	3.5
16		14240	3835	614	146	19	4.6
18		18022	5146	778	185	24	5.8
20			5993	960	228	30	7.1
25			9363	1500	356	46	11
30			13483	2160	513	67	16
35			18352	2940	698	92	22
40				3840	911	120	28
45				4861	1153	152	36
50				6001	1424	187	44
55				7261	1723	227	54
60				8641	2051	270	64
65				10141	2407	317	75
70				11761	2791	368	87
75				13502	3204	422	100

* Pressure drop per 50 ft. sections

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