



Operating Pressure PSIG		WATER SUCTION		Operating Pressure PSIG		WATER SUCTION				
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH			
<b>5</b>	0	<b>5.5</b>	101	<b>60</b>	0	<b>19.0</b>	92.7			
	1		46.4		5		92.7			
	2		22.1		10		92.7			
	3		2.7		15		92.7			
	4		*(4.0)		20		92.7			
<b>10</b>	0	<b>7.7</b>	105		30		93.0			
	2		75.6		35		91.7			
	5		41.7		40		77.1			
	7		19.1		45		*(51.0)			
	8		*(8.1)		4.4					
<b>15</b>	0	<b>9.5</b>	101	<b>70</b>	0	<b>20.5</b>	93.3			
	5		79.9		5		93.3			
	7		64.6		10		93.3			
	10		34.2		15		93.3			
	12		*(13.1)		16.9		20	93.3		
<b>20</b>	0	<b>10.9</b>	98.2		30		93.4			
	5		95.4		40		92.3			
	10		69.9		45		81.8			
	12		51.5		50		54.5			
	15		*(17.3)		30.3		55	*(58.9)		
<b>25</b>	0	<b>12.2</b>	95.9	<b>80</b>	0	<b>21.9</b>	93.8			
	5		96.6		5		93.8			
	10		89.4		10		93.8			
	15		68.1		15		93.8			
	20		*(21.9)		31.8		20	93.8		
<b>30</b>	0	<b>13.4</b>	94.3		30		93.8			
	5		94.4		40		94.7			
	10		94.4		50		91.5			
	15		82.0		60		52.8			
	20		*(26.0)		55.4		65	*(68.5)		
<b>35</b>	0	<b>14.5</b>	17.9	<b>90</b>	0	<b>23.2</b>	94.4			
	5		93.9		5		94.4			
	10		93.9		10		94.4			
	15		93.9		20		94.4			
	20		91.8		30		94.4			
<b>40</b>	15	<b>15.5</b>	91.8		40		95.6			
	20		74.1		50		94.3			
	25		*(30.0)		47.2		60	84.6		
	0		<b>16.4</b>		93.1		70	39.5		
	5				93.1		75	*(76.9)		
10	93.1	0		94.1						
15	93.1	5		94.1						
20	91.8	10		94.1						
<b>45</b>	25	<b>17.3</b>	72.2	<b>100</b>	20	<b>24.5</b>	94.1			
	30		*(34.4)		42.6		30	94.1		
	0		<b>16.4</b>		92.8		40	94.1		
	5				92.8		50	93.9		
	10				92.8		60	94.9		
15	92.8	70			81.3					
20	93.8	80			*(86.0)					
<b>50</b>	25	<b>17.3</b>	86.9		<b>120</b>		0	<b>26.8</b>	94.4	
	30		*(38.7)				36.7		5	94.4
	0		<b>17.3</b>				92.4		10	94.4
	5			92.4		20	94.4			
	10			92.4		30	94.4			
15	92.4	40		94.4						
20	92.4	50		94.4						
25	92.4	60	95.2							
30	92.3	70	94.4							
35	86.3	80	90.8							
35	64.3	90	61.2							
40	*(43.9)	35.0	100	*(102)	22.3					

Injector Performance Table  
 Water Suction Capacity

Model 1078-03

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*\*NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*



Operating Pressure kg/cm <sup>2</sup>		WATER SUCTION		Operating Pressure kg/cm <sup>2</sup>		WATER SUCTION	
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr	Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr
<b>0.35</b>	0.00	<b>20.7</b>	384	<b>4.22</b>	0.00	<b>71.8</b>	350
	0.07		175		0.35		350
	0.14		83.9		0.70		350
	0.21		10.3		1.05		350
	0.28		*(0.28)		1.41		350
<b>0.70</b>	0.00	<b>29.3</b>	400	<b>4.92</b>	0.00	<b>77.5</b>	353
	0.14		286		0.35		353
	0.35		158		0.70		353
	0.49		72.6		1.05		353
	0.56		*(0.57)		1.41		353
<b>1.05</b>	0.00	<b>35.9</b>	383	<b>5.62</b>	0.00	<b>82.9</b>	355
	0.35		302		0.35		355
	0.49		244		0.70		355
	0.70		129		1.05		355
	0.84		*(0.92)		1.41		355
<b>1.41</b>	0.00	<b>41.4</b>	371	<b>6.33</b>	0.00	<b>87.9</b>	357
	0.35		361		0.35		357
	0.70		264		0.70		357
	0.84		195		1.05		357
	1.05		*(1.22)		1.41		357
<b>1.76</b>	0.00	<b>46.3</b>	363	<b>7.03</b>	0.00	<b>92.7</b>	356
	0.35		365		0.35		356
	0.70		338		0.70		356
	1.05		258		1.05		356
	1.41		*(1.54)		1.41		356
<b>2.11</b>	0.00	<b>50.8</b>	357	<b>8.44</b>	0.00	<b>101</b>	357
	0.35		357		0.35		357
	0.70		357		0.70		357
	1.05		310		1.05		357
	1.41		209		1.41		357
	1.76		*(1.83)		1.76		357
<b>2.46</b>	0.00	<b>54.8</b>	355	<b>7.03</b>	0.00	<b>92.7</b>	356
	0.35		355		0.35		356
	0.70		355		0.70		356
	1.05		347		1.05		356
	1.41		280		1.41		356
	1.76		*(2.11)		1.76		356
<b>2.81</b>	0.00	<b>58.6</b>	352	<b>8.44</b>	0.00	<b>101</b>	357
	0.35		352		0.35		357
	0.70		352		0.70		357
	1.05		352		1.05		357
	1.41		347		1.41		357
	1.76		273		1.76		357
<b>3.16</b>	0.00	<b>62.2</b>	351	<b>8.44</b>	0.00	<b>101</b>	357
	0.35		351		0.35		357
	0.70		351		0.70		357
	1.05		351		1.05		357
	1.41		355		1.41		357
	1.76		329		1.76		357
	2.11		250		2.11		357
	2.46		*(2.72)		2.46		357
<b>3.52</b>	0.00	<b>65.5</b>	349	<b>8.44</b>	0.00	<b>101</b>	357
	0.35		349		0.35		357
	0.70		349		0.70		357
	1.05		349		1.05		357
	1.41		349		1.41		357
	1.76		349		1.76		357
	2.11		326		2.11		357
	2.46		243		2.46		360
2.81	*(3.09)	2.81	357				



Operating Pressure PSIG		AIR SUCTION		Operating Pressure PSIG		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH
5	0	5.2	24.3	60	0	18.2	91.5
	1		6.4		5		76.3
	2		2.7		10		57.5
	3		1.5		15		34.5
	4		*(4.0)		20		24.3
10	0	7.4	40.1		30		14.0
	2		16.1		35		10.3
	5		4.1		40		7.3
	7		1.5		45		*(51.0)
	8		*(8.1)				4.5
15	0	9.1	48.6	70	0	19.6	100
	5		13.1		5		81.7
	7		7.8		10		67.5
	10		3.3		15		46.3
	12		*(13.1)		20		31.8
20	0	10.5	55.0		30		19.6
	5		22.1		40		12.4
	10		8.5		45		8.7
	12		5.6		50		7.0
	15		*(17.3)		55		*(58.9)
25	0	11.7	60.9	80	0	21.0	105
	5		33.2		5		89.6
	10		14.3		10		74.8
	15		7.5		15		57.7
	20		*(21.9)		20		39.5
30	0	12.9	70.6		30		24.7
	5		46.4		40		17.0
	10		20.5		50		10.1
	15		11.2		60		6.3
	20		6.1		65		*(68.5)
25	*(26.0)	2.4	4.5				
35	0	13.9	74.0	90	0	22.3	112
	5		52.9		5		96.3
	10		24.7		10		81.7
	15		13.6		20		48.8
	20		9.0		30		29.4
25	*(30.0)	5.4	40		20.8		
40	0	14.8	79.8		50		14.9
	5		57.9		60		9.1
	10		31.4		70		5.8
	15		18.9		75		*(76.9)
	20		13.0	4.2			
25	8.0	100	0	23.5	116		
30	4.3		5		103		
0	85.9		10		87.7		
5	62.8		20		62.8		
10	38.3		30		37.1		
15	23.2		40		25.7		
20	15.7		50		18.0		
25	11.3		60		12.6		
30	7.0		70		8.3		
35	*(38.7)		80		*(86.0)		
50	0	16.6	87.7	120	0	25.7	124
	5		66.4		5		110
	10		42.3		10		97.9
	15		25.6		20		77.7
	20		16.1		30		46.9
	25		12.7		40		33.6
	30		8.6		50		25.0
	35		5.3		60		19.1
	40		*(43.9)		70		14.1
		80	10.2				
		90	6.7				
		100	*(102)				
			5.1				

Air Suction Capacity  
 Injector Performance Table  
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Operating Pressure kg/cm <sup>2</sup>		AIR SUCTION		Operating Pressure kg/cm <sup>2</sup>		AIR SUCTION	
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min
<b>0.35</b>	0.00	<b>19.9</b>	11.4	<b>4.22</b>	0.00	<b>68.8</b>	43.1
	0.07		3.0		0.35		36.0
	0.14		1.2		0.70		27.1
	0.21		0.70		1.05		16.3
	0.28		<i>*(0.28)</i>		1.41		11.5
<b>0.70</b>	0.00	<b>28.1</b>	18.9		2.11		6.6
	0.14		7.6		2.46		4.8
	0.35		1.9		2.81		3.4
	0.49		0.73		3.16		<i>*(3.59)</i>
	0.56		<i>*(0.57)</i>				2.1
<b>1.05</b>	0.00	<b>34.4</b>	22.9	<b>4.92</b>	0.00	<b>74.3</b>	47.4
	0.35		6.1		0.35		38.5
	0.49		3.7		0.70		31.8
	0.70		1.5		1.05		21.8
	0.84		<i>*(0.92)</i>		1.41		15.0
<b>1.41</b>	0.00	<b>39.7</b>	25.9		2.11		9.2
	0.35		10.4		2.81		5.8
	0.70		4.0		3.16		4.1
	0.84		2.6		3.52		3.3
	1.05		<i>*(1.22)</i>		3.87		<i>*(4.14)</i>
<b>1.76</b>	0.00	<b>44.4</b>	28.7	<b>5.62</b>	0.00	<b>79.5</b>	49.8
	0.35		15.7		0.35		42.2
	0.70		6.7		0.70		35.3
	1.05		3.5		1.05		27.2
	1.41		<i>*(1.54)</i>		1.41		18.6
<b>2.11</b>	0.00	<b>48.7</b>	33.3		2.11		11.6
	0.35		21.9		2.81		8.0
	0.70		9.6		3.52		4.8
	1.05		5.3		4.22		2.9
	1.41		2.8		4.57		<i>*(4.82)</i>
<b>2.46</b>	0.00	<b>52.6</b>	34.9	<b>6.33</b>	0.00	<b>84.3</b>	53.2
	0.35		24.9		0.35		45.4
	0.70		11.6		0.70		38.5
	1.05		6.4		1.05		23.0
	1.41		4.2		1.41		13.8
<b>2.81</b>	0.00	<b>56.2</b>	37.7		2.11		9.8
	0.35		27.3		2.81		7.0
	0.70		14.8		3.52		4.3
	1.05		8.9		4.22		2.7
	1.41		6.1		4.92		<i>*(5.41)</i>
<b>3.16</b>	0.00	<b>59.6</b>	40.5	<b>7.03</b>	0.00	<b>88.8</b>	55.0
	0.35		29.6		0.35		48.6
	0.70		18.1		0.70		41.4
	1.05		10.9		1.05		29.6
	1.41		7.4		1.41		17.5
<b>3.52</b>	0.00	<b>62.8</b>	41.4		2.11		12.1
	0.35		31.3		2.81		8.5
	0.70		19.9		3.52		5.9
	1.05		12.1		4.22		3.9
	1.41		7.6		4.92		<i>*(6.05)</i>
<b>3.52</b>	0.00	<b>62.8</b>	41.4	<b>8.44</b>	0.00	<b>97.3</b>	58.8
	0.35		31.3		0.35		52.3
	0.70		19.9		0.70		46.2
	1.05		12.1		1.05		36.7
	1.41		7.6		1.41		22.1
<b>3.52</b>	0.00	<b>62.8</b>	41.4		2.11		15.8
	0.35		31.3		2.81		11.8
	0.70		19.9		3.52		9.0
	1.05		12.1		4.22		6.6
	1.41		7.6		4.92		4.8
<b>3.52</b>	0.00	<b>62.8</b>	41.4	5.62	3.1		
	0.35		31.3	6.33	2.4		
	0.70		19.9	7.03	<i>*(7.17)</i>		
	1.05		12.1				
	1.41		7.6				

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