



# BR5100

## Pneumatically Operated Chemical Injection Pump

	PLUNGER SIZE			
	3/16"	1/4"	3/8"	1/2"
<b>Standard Model</b>				
Model Number	<b>BR5104</b>	<b>BR5101</b>	<b>BR5103</b>	<b>BR5105</b>
Maximum Discharge Pressure <sup>1</sup> (psig)	3000	3000	3000	3000
Maximum Discharge Pressure <sup>1</sup> (kPa)	20684	20684	20684	20684
Maximum Discharge Pressure <sup>1</sup> (bar)	206	206	206	206
Maximum Volume (Litres/Day) @ 0 psig Discharge Pressure	19.3	34.4	77.4	137.6
Max. Recommended Speed (Strokes/Min) @ 0-1500 psig Discharge Pressure	30	30	30	30
<b>High Pressure Model</b>				
Model Number	<b>BR5114</b>	<b>BR5111</b>	<b>BR5113</b>	<b>BR5115</b>
Maximum Discharge Pressure <sup>2</sup> (psig)	6000	6000	6000	3500
Maximum Discharge Pressure <sup>2</sup> (kPa)	41368	41368	41368	24131
Maximum Discharge Pressure <sup>2</sup> (bar)	413	413	413	241
Maximum Volume (Litres/Day) @ 3000 psig Discharge Pressure	14.4	25.6	57.6	102.4
Max. Recommended Speed (Strokes/Min) above 1500 psig Discharge Pressure	28	28	28	28
<b>Plunger Packing</b>				
<b>Maximum Discharge Pressure (psig)</b>				
Buna (Nitrile)	3000	3000	3000	3000
Buna Hard (High Pressure)	6000	6000	6000	3500
Viton (FKM)	3000	3000	3000	3000
Teflon (PTFE)	3000	3000	3000	3000
Fluorosilicone (FVMQ)	3000	3000	3000	3000
Buna / Teflon	3000	3000	3000	3000
Viton / Teflon	3000	3000	3000	3000
Bruze (FEPM)	3000	3000	3000	3000
Bruze FFKM (FFKM)	3000	3000	3000	3000

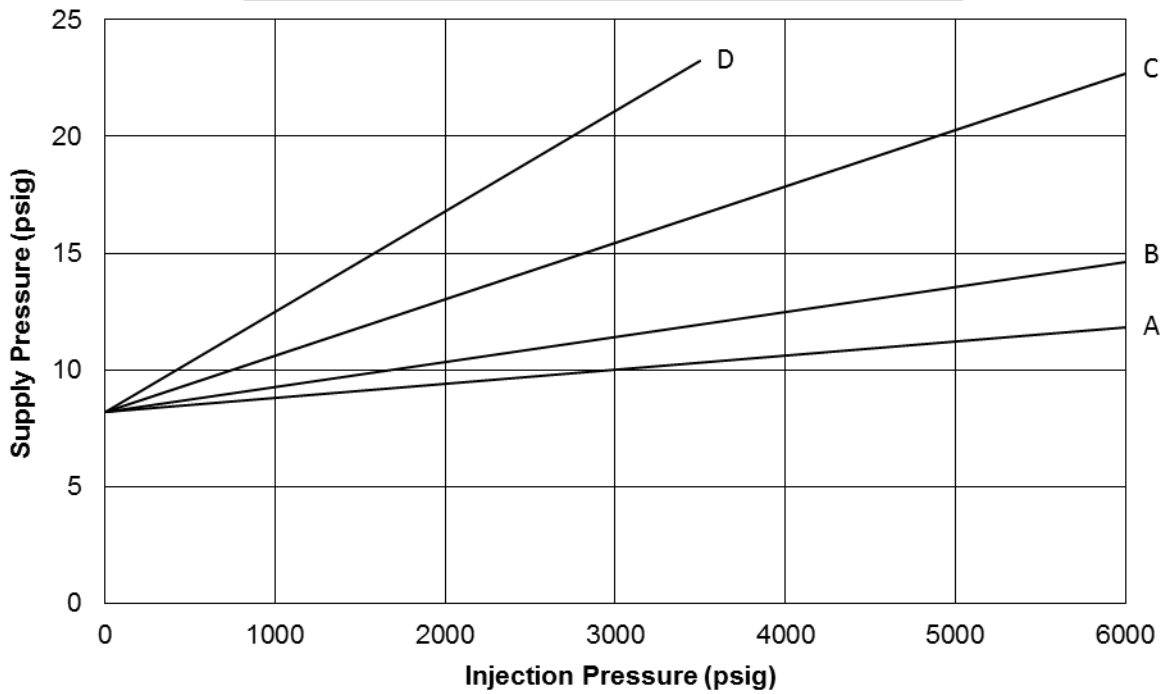
1. Maximum Discharge Pressure for Standard Model is shown with Buna packing. Other packing types are available; refer to Plunger Packing – Maximum Discharge Pressure chart.

2. Maximum Discharge Pressure for High Pressure Model is shown with Buna Hard packing.

### Pressure Units Cross Reference Chart

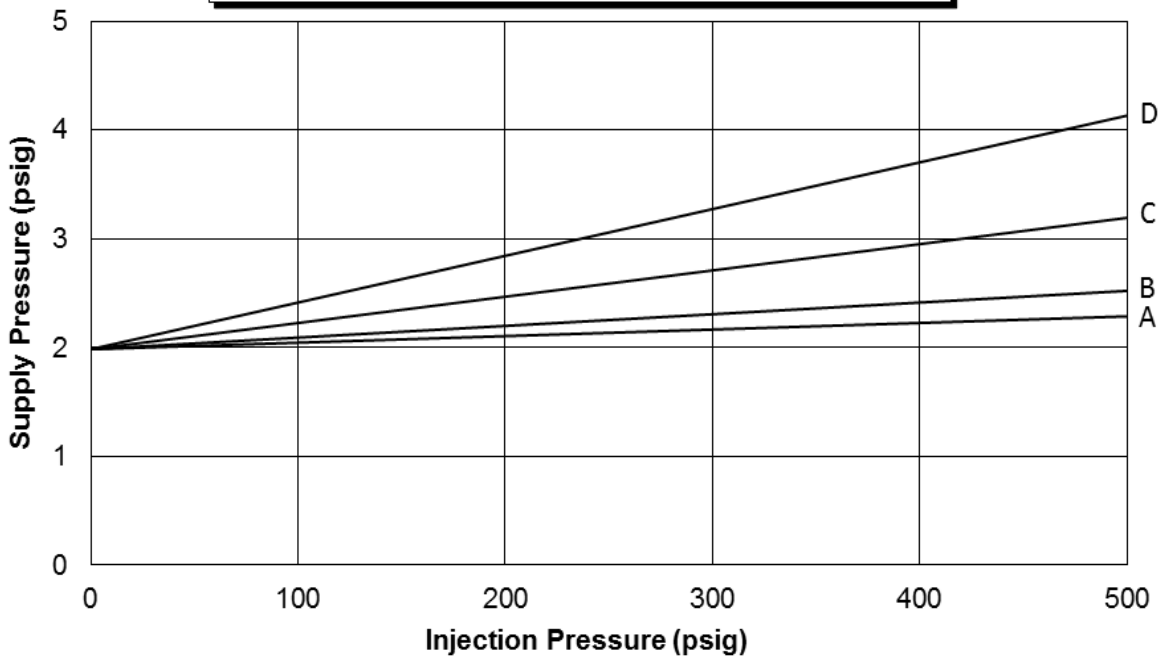
UNIT	bar	mbar	kPa	psi	ft H2O	in H2O	atm
1 bar	1	1000	100	14.5038	33.4553	401.463	0.98692
1 mbar	0.001	1	0.1	0.0145	0.03346	0.40146	0.00099
1 kPa	0.01	10	1	0.14504	0.33455	4.01463	0.00987
1 psi	0.06895	68.9476	6.89476	1	2.30666	27.6799	0.06805
1 ft H2O	0.02989	29.8907	2.98907	0.43353	1	12	0.0295
1 in H2O	0.00249	2.49089	0.24909	0.03613	0.08333	1	0.00246
1 atm	1.01325	1013.25	101.325	14.696	33.8985	406.782	1

### BR5100 Supply Pressure Requirements



A - 3/16" Plunger    B - 1/4" Plunger    C - 3/8" Plunger    D - 1/2" Plunger

### BR5130 Supply Pressure Requirements Low Pressure Spring Option



A - 3/16" Plunger    B - 1/4" Plunger    C - 3/8" Plunger    D - 1/2" Plunger