



BR5000

Pneumatically Operated Chemical Injection Pump

	PLUNGER SIZE					
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"
Standard Model						
Model Number	BR5001	BR5003	BR5005	BR5006	BR5007	BR5008
Maximum Discharge Pressure ¹ (psig)	3000	3000	3000	3000	3000	2000
Maximum Discharge Pressure ¹ (kPa)	20684	20684	20684	20684	20684	13789
Maximum Discharge Pressure ¹ (bar)	206	206	206	206	206	137
High Pressure Model						
Model Number	BR5011	BR5013	BR5015	BR5016	BR5017	BR5018
Maximum Discharge Pressure ² (psig)	12000	12000	10000	5000	3000	2000
Maximum Discharge Pressure ² (kPa)	82737	82737	68947	34473	20684	13789
Maximum Discharge Pressure ² (bar)	827	827	689	344	206	137
Plunger Packing						
Maximum Discharge Pressure (psig)						
Buna (Nitrile)	3000	3000	3000	3000	3000	2000
Buna Hard (High Pressure)	12000	12000	10000	5000	3000	2000
Viton (FKM)	3000	3000	3000	3000	3000	2000
Teflon (PTFE)	3000	3000	3000	3000	3000	2000
Fluorosilicone (FVMQ)	3000	3000	3000	3000	3000	2000
Buna / Teflon	3000	3000	3000	3000	3000	2000
Viton / Teflon	3000	3000	3000	3000	3000	2000
Brueze (FEPM)	3000	3000	3000	3000	3000	2000
Brueze FFKM (FFKM)	3000	3000	3000	3000	3000	2000

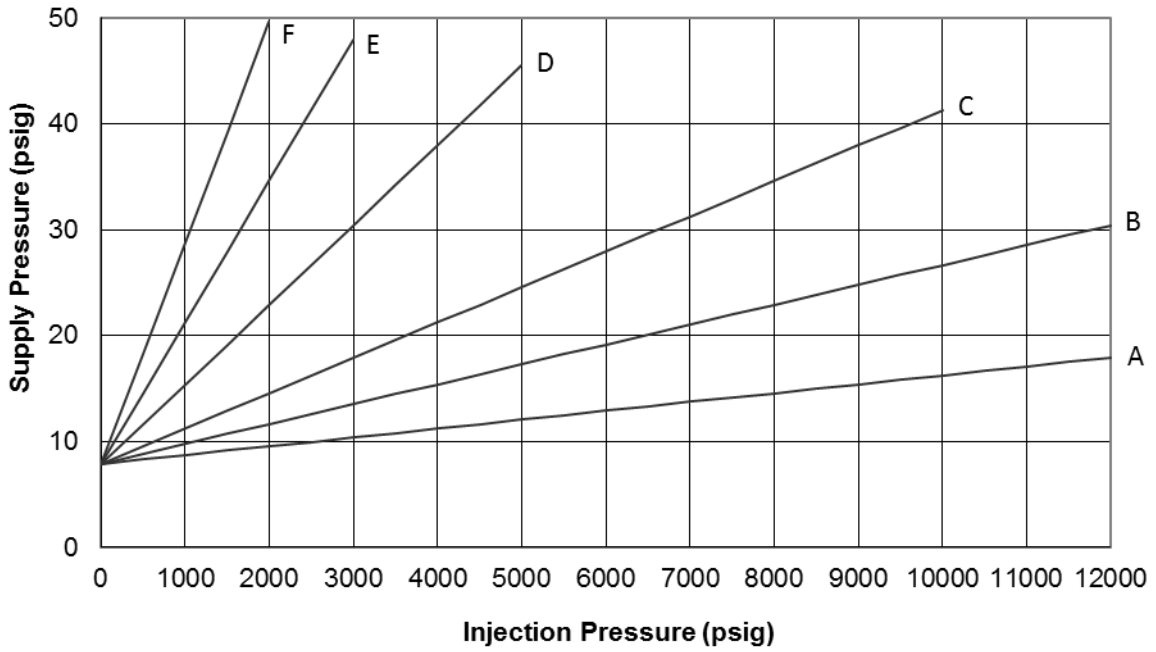
1. Maximum Discharge Pressure for Standard Model is shown with Buna packing. Other packing types are available; refer to Plunger Packing – Maximum Discharge Pressure chart.

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

BR5000 Supply Pressure Requirements



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