



BR4300 PUMP PART NUMBER

Create a Pump Model

BR43	X	X	X	X	-	X	X	X	X			
0										50:1 Gear Ratio	Gear Ratio	
2										100:1 Gear Ratio		
3										25:1 Gear Ratio		
1										1/4" Plunger	Plunger Size	
3										3/8" Plunger		
4										3/16" Plunger		
5										1/2" Plunger		
6										3/4" Plunger		
7										1" Plunger		
										Multiple Head Configurations Available, Please Consult Factory		
1										1 Fluid Head	Number of Injection Heads	
2										2 Fluid Heads		
3										3 Fluid Heads		
4										4 Fluid Heads		
5										5 Fluid Heads		
6										6 Fluid Heads		
7										7 Fluid Heads		
8										8 Fluid Heads		
G										Pump Gearbox Only - No Base, Coupling Guard & Motor	Power Unit Model Options	
B										Pump Gearbox w/ Base & Coupling Guard - No Motor		
P										Power Unit Model - Pump w/ Base, Coupling Guard & Motor		
V										Power Unit Model - Pump w/ Base, Coupling Guard & VFD Motor		
										Absence of "Letter" Indicates Chemical Injector Model w/ Tank (5 gal.)		
										1	Buna N (Nitrile)	Plunger Packing Material
										2	Buna Hard	
										3	Viton	
										4	Teflon	
										5	Fluorosilicone	
										6	Buna / Teflon ("Zebra")	
										7	Viton / Teflon	
										A	Bruez (Perfluoro-Olefin Elastomer, FEPM)	
										B	Bruez FFKM (Perfluoroelastomer, FFKM)	
										1	Buna N (Nitrile)	Seal Material
										2	Metal to Metal	
										3	Viton	
										4	Teflon	
										5	Fluorosilicone	
										6	Bruez (Perfluoroelastomer, FFKM)	
										0	No Electric Motor	Electric Motor
										1	1/4 HP, 1 Ph, 60 Hz, 115/230V, Ex. Proof	
										2	1/4 HP, 3 Ph, 60 Hz, 230/460V, Ex. Proof	
										3	1/4 HP, 12V TENV	
										4	1/3 HP, 1 Ph, 60Hz, 115/230V, Ex. Proof	
										5	1/2 HP, 1 Ph, 60 Hz, 115/230V, Ex. Proof	
										6	3/4 HP, 1 Ph, 60 Hz, 115/230V, Ex. Proof	
										7	1/3 HP, 1 Ph, 50 Hz, 115/230V, Ex. Proof	
										8	1/2 HP, 3 Ph, 60 Hz, 230/460V, Ex. Proof	
										9	1/3 HP, 3 Ph, 60 Hz, 230/460V, Ex. Proof	
										A	1/2 HP, 12V, TENV	
										B	1 HP, 1 Ph, 115/230V, Ex. Proof	
										C	1/3 HP, 1 Ph, 115/230V, TEFC	
										D	1/4 HP, 12V, Ex. Proof	
											Other Motors Available, Please Consult Factory	
										0	Combination of Ductile & SS Heads (For Multiple Head Pumps Only)	Head / Plunger Material
										1	Ductile Iron (Std., Unavailable for 3/16" Plunger Size)	
										2	Stainless Steel	
										3	Ductile Iron w/ Ceramic Plunger	
										4	Stainless Steel w/ Ceramic Plunger	
										5	Ductile Iron w/ Nitride Plunger	
										6	Stainless Steel w/ Nitride Plunger	

Example: BR43231P-1511

Description: BR4300 Series Chemical Injection Pump, 100:1 Gear Ratio, 3/8" Plunger, Single Head, Power Unit Model w/ Base, Coupling Guard and Motor, Buna Packing, Fluorosilicone Seals, 1/4HP, 1 Ph, 60Hz, 115/230V, Ex. Proof motor, Ductile Iron Head and Stainless Steel Plunger.

Create a Head Assembly

	Head Material	Plunger Size						Plunger Material	Packing Material	Seal Material
		3/16"	1/4"	3/8"	1/2"	3/4"	1"			
BR4300	Ductile w/ SS Trim	n/a	BC1578	BC1579	BC1580	BC1888	BC1886	- : Stainless Steel Plunger (Std.)	1 – Buna N 2 – Buna Hard 3 – Viton 4 – Teflon 5 – Fluorosilicone 6 – Buna / Teflon 7 – Viton / Teflon A – Brueze B – Brueze FFKM	1 – Buna N 2 – Metal to Metal 3 – Viton 4 – Teflon 5 – Fluorosilicone 6 – Brueze
	Stainless Steel	BC2041	BC1582	BC1583	BC1584	BC1887	BC1885	C : Ceramic Plunger N : Nitrided Plunger		

Example: BC1578-13

Description: BR4300, 1/4" Head, Ductile Iron w/ SS Trim, Stainless Steel Plunger (Std.), Buna Packing, Viton Seals.

Horse Power Requirements for Multi-Headed Units

Number of Gear Boxes	Gear Ratio		
	25:1 Ratio	50:1 Ratio	100:1 Ratio
	BR433X	BR430X	BR432X
1	1/4 HP	1/4 HP	1/4 HP
2	1/2 HP	1/2 HP	1/3 HP
3	3/4 HP	3/4 HP	1/2 HP
4	1 HP	1 HP	3/4 HP

* Two Heads can be mounted on each Gear Box