

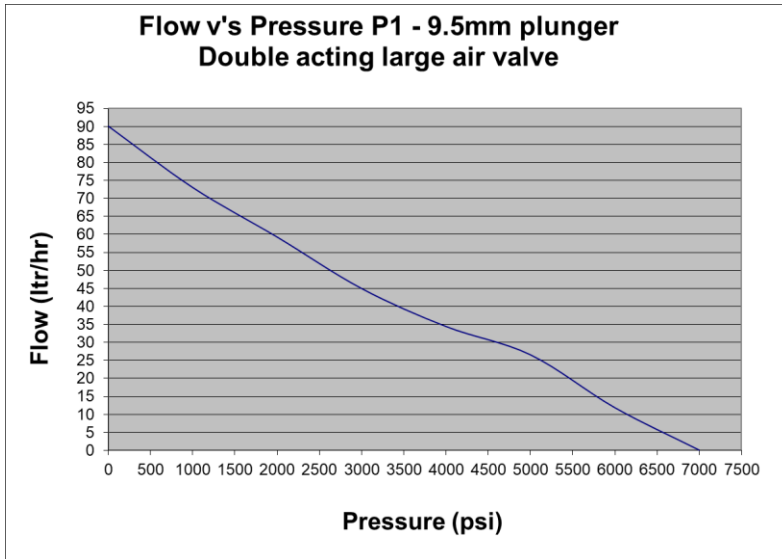
P1 Series CP-P1-9.5-D Data Sheet

The CP-P1-9.5-D operates with a 9.5mm plunger, it is the mid size in the P1 series giving higher injection rates but at a lower pressure. The CP-P1-9.5-D has a pressure range up to 7,000 psi and an injection rate up to 90 L/hr with a stroke volume of 2.7cc. For lower injection rates the pump can be modified from a double acting hydraulic pump to a single acting hydraulic pump. Further modifications can be made by fitting a smaller air control valve to this pump, this would reduce the injection rate to as low as 0.162 L/hr, stroke volumes would remain the same. Please note flow for the P1 series is listed in litres per hour.

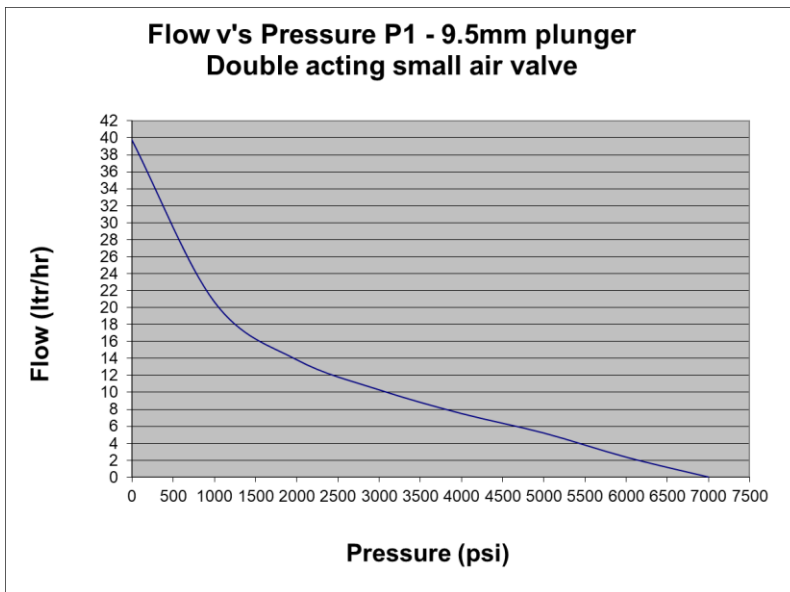
Air input to hydraulic discharge pressure static/stall values.

Pump Model	Hydraulic Piston Diameter	Pump Ratio	20 psig Air Supply	40 psig Air Supply	60 psig Air Supply	80 psig Air Supply	100 psig Air Supply
CP-P1-9.5D	9.5mm	70 - 1	1,400	2,800	4,200	5,600	7,000

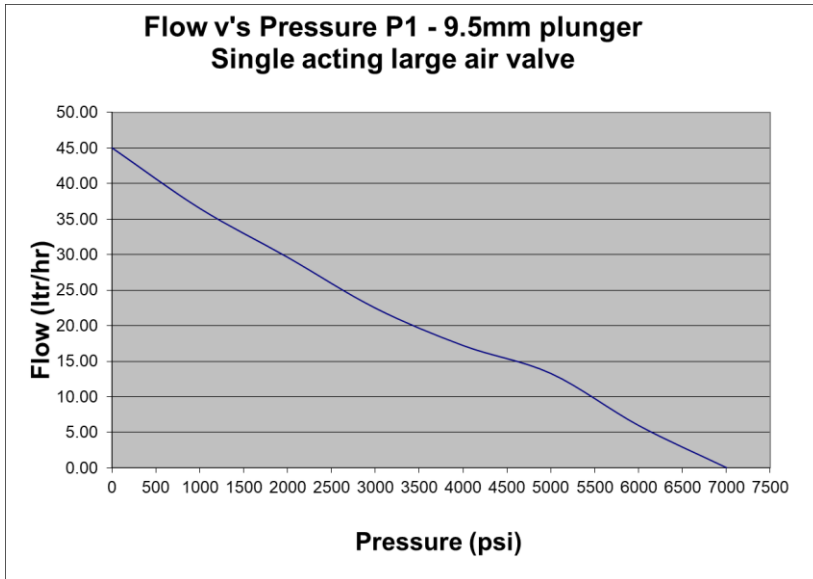
Flow Charts:



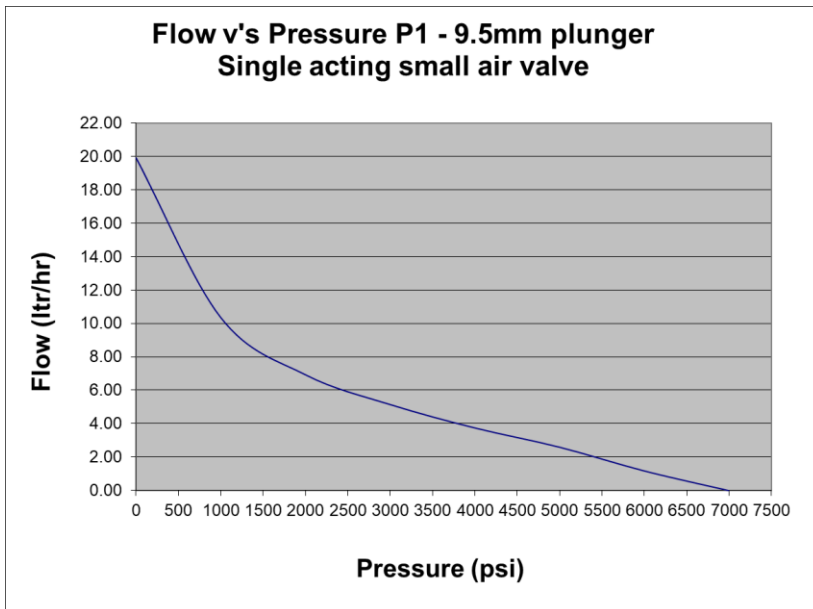
Pressure (psi)	Flow (ltr/hr)
0	90.00
1000	72.95
2000	59.20
3000	44.90
4000	34.35
5000	26.50
6000	11.85



Pressure (psi)	Flow (ltr/hr)
0	39.80
1000	20.70
2000	13.85
3000	10.30
4000	7.50
5000	5.20
6000	2.35



Pressure (psi)	Flow (ltr/hr)
0	45.00
1000	36.48
2000	29.60
3000	22.45
4000	17.18
5000	13.25
6000	5.93



Pressure (psi)	Flow (ltr/hr)
0	19.90
1000	10.35
2000	6.93
3000	5.15
4000	3.75
5000	2.60
6000	1.18

Pump Dimensions:

