POLY-SOURCE INDUSTRIES INC.
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Hose Volume - Purge Calculator

Hose Info		Radius (in)	Radius ^{2}	Radius ^{2} x Pi	Hose Length (in) (per 50')	Cubic Inches (per 50')	Gallons (per 50')
$^1/_4$" x 50' Hose							
Hose Diameter (in):	0.250	0.125	0.0156	0.0491	600	29.4525	0.127
Hose Length (feet):	50						
$^3/_8$" x 50' Hose							
Hose Diameter (in):	0.375	0.188	0.0352	0.1104	600	66.2681	0.287
Hose Length (feet):	50						
$^1/_2$" x 50' Hose							
Hose Diameter (in):	0.500	0.250	0.0625	0.1964	600	117.8100	0.510
Hose Length (feet):	50						

USG / CYCLE / MODEL					CYCLES / 50' PURGE		
E-20 / EXP1	0.0104 (A&B)	0.0052 (A or B)	=	24.5 @ $^1/_4$"	55.2 @ $^3/_8$"	98.1 @ $^1/_2$"
E-30 / EXP2	0.0272 (A&B)	0.0136 (A or B)	=	9.4 @ $^1/_4$"	21.1 @ $^3/_8$"	37.5 @ $^1/_2$"
EXP2	0.0203 (A&B)	0.0102 (A or B)	=	12.6 @ $^1/_4$"	28.3 @ $^3/_8$"	50.2 @ $^1/_2$"
HXP2 / HXP3	0.0420 (A&B)	0.0210 (A or B)	=	6.1 @ $^1/_4$"	13.7 @ $^3/_8$"	24.3 @ $^1/_2$"
H25 / H40	0.0630 (A&B)	0.0315 (A or B)	=	4.0 @ $^1/_4$"	9.1 @ $^3/_8$"	16.2 @ $^1/_2$"
H50	0.0730 (A&B)	0.0365 (A or B)	=	3.5 @ $^1/_4$"	7.9 @ $^3/_8$"	14.0 @ $^1/_2$"

NOTE: Transfer Pump & Transfer Hose allowance are NOT included.