



Sealed Variable Volume Reservoir (VVR)



Classic JIC reservoir



	°F	°C
Oil Temperature	140	59,94
Air temperature	72	22,2

Mineral fluid per liter	12,00 \$
Biodegradable fluid per liter	26,00 \$
GHG emissions Kg CO ₂ -eq	1,375 Kg CO ₂ /L

JIC type reservoirs elevated at 6" (150mm) from ground

	Size in gal	Size in liters	Lenght (in)	Width (in)	Height (in)	Surface area (ft ²)	Surface area (m ²)	ΔT (° F)	ΔT (°C)	≈ Heat dissipation HP	≈ Heat dissipation Kw	Filling cost -Mineral fluid	Filling cost - Bio fluid	GHG Emissions Kg CO ₂
1	40	152	36	24	15	18,50	1,719	68	20,0	1,258	0,94	1 824,00 \$	3 952,00 \$	209
2	50	190	36	24	17	20,17	1,873	68	20,0	1,371	1,02	2 280,00 \$	4 940,00 \$	261
3	60	228	48	27	15	24,63	2,288	68	20,0	1,675	1,25	2 736,00 \$	5 928,00 \$	314
4	80	304	60	27	15,5	29,98	2,785	68	20,0	2,039	1,52	3 648,00 \$	7 904,00 \$	418
5	100	380	60	27	17,5	32,40	3,010	68	20,0	2,203	1,64	4 560,00 \$	9 880,00 \$	523
6	120	456	60	30	21	38,75	3,600	68	20,0	2,635	1,97	5 472,00 \$	11 856,00 \$	627
7	150	570	60	30	25	43,75	4,064	68	20,0	2,975	2,22	6 840,00 \$	14 820,00 \$	784
8	200	760	72	36	23	52,50	4,877	68	20,0	3,570	2,66	9 120,00 \$	19 760,00 \$	1045
9	250	950	72	36,5	27,5	59,69	5,545	68	20,0	4,059	3,03	11 400,00 \$	24 700,00 \$	1306
10	300	1140	72	36	32	66,00	6,131	68	20,0	4,488	3,35	13 680,00 \$	29 640,00 \$	1568

	Size in gal	Size in liters	Weight full (kg)	Weight full (lb)
1	40	152	227	500
2	50	190	268	590
3	60	228	357	785
4	80	304	455	1000
5	100	380	509	1120
6	120	456	632	1390
7	150	570	793	1745
8	200	760	1036	2280
9	250	950	1243	2735
10	300	1140	1500	3300

Steel reservoir + oil (≈ 7,5 lb/gal. | 0,85kg/L)

Smart
Reservoir