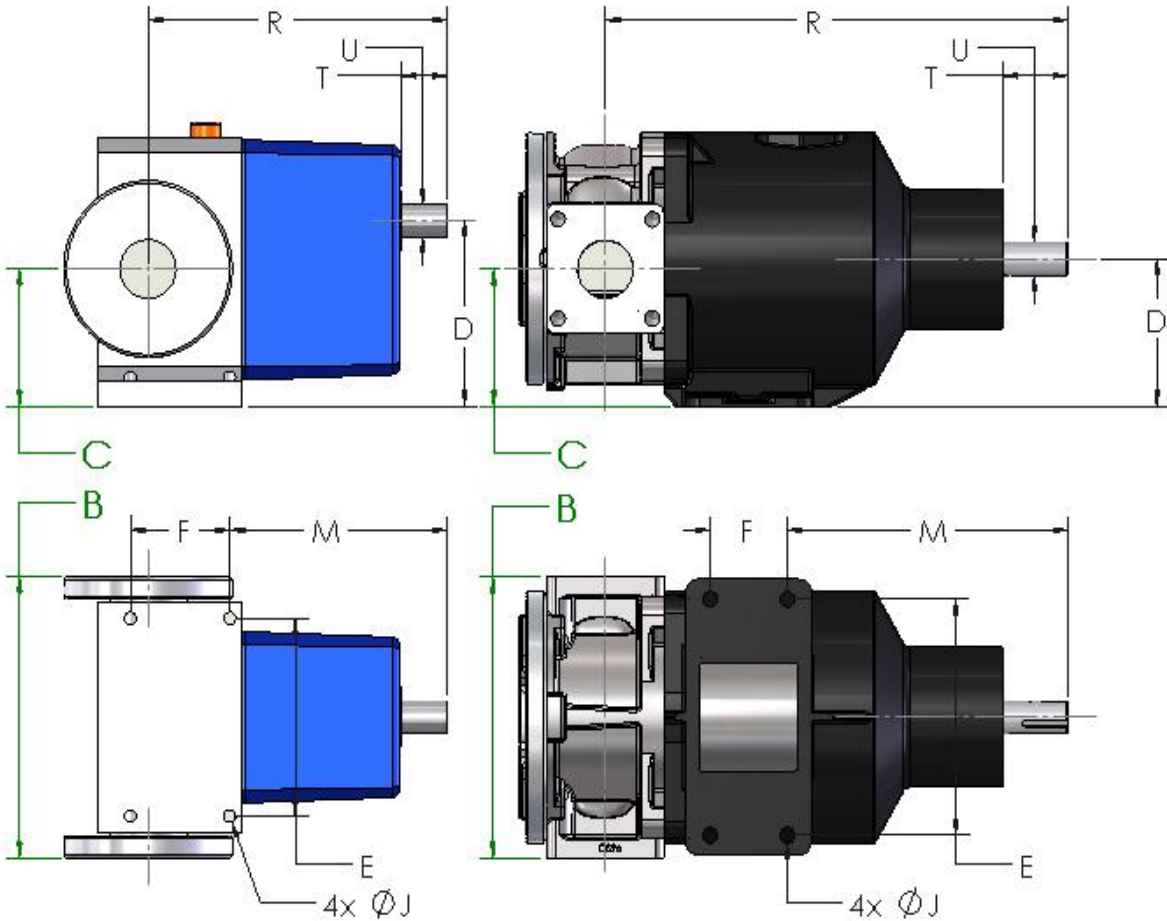


EnviroGear-DuraLobe Comparison

EnviroGear	
Model	Ideal Flowrate (gal / rev)
S1-24	0.105
S1-32	0.141

DuraLobe	
Model	Ideal Flowrate (gal / rev)
S2S	0.043
S2M	0.061
S2L	0.087

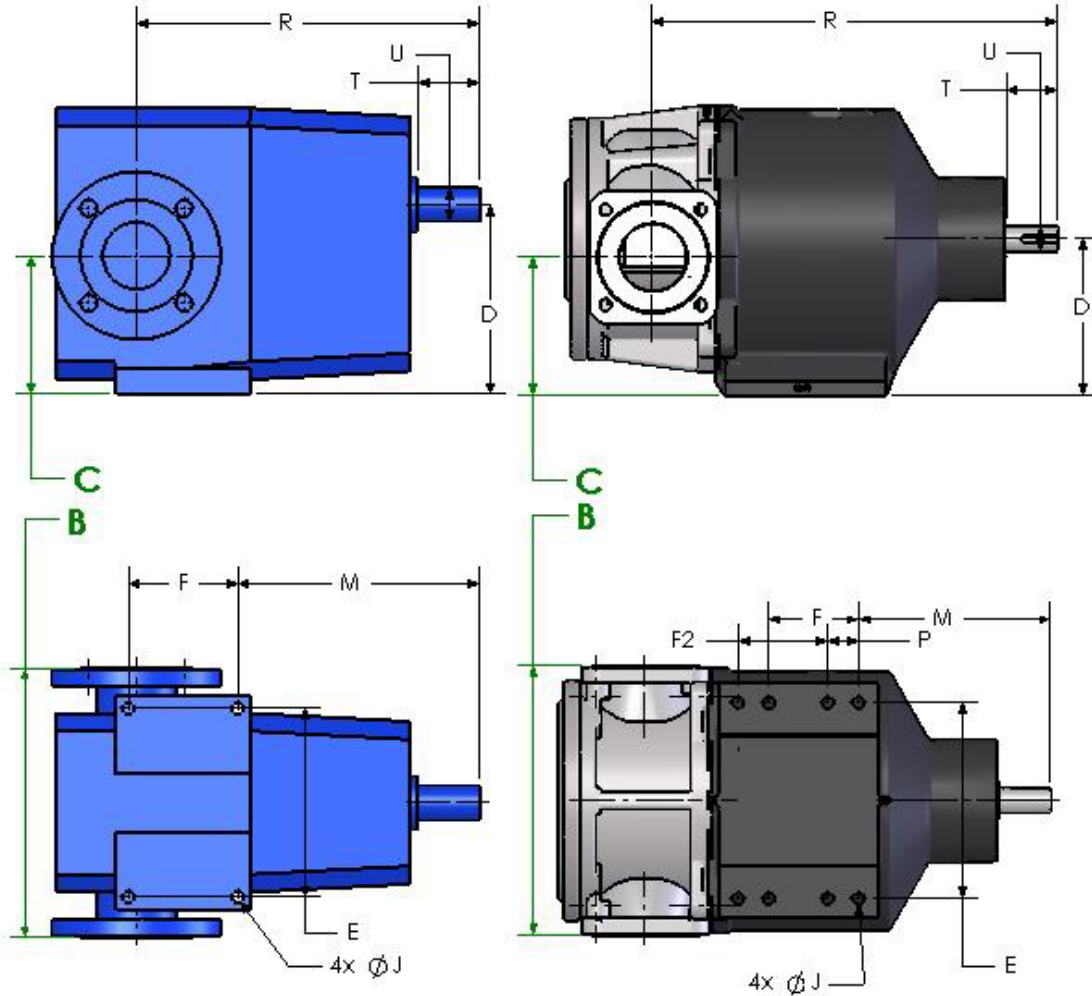


Model		Dimensions (in)									
		B	C	D	E	F	J	M	R	T	U
EnviroGear	Std Mag Hsg	9.52	5.15	5.50	8.00	2.75	0.53	9.98	16.46	2.33	1.125
	Low Profile Mag Hsg		4.65	5.00							
DuraLobe	S2S	9.52	4.65	6.30	6.70	3.54	0.43	7.73	10.31	1.65	1.102
	S2M								10.67		
	S2L								11.18		

EnviroGear-DuraLobe Comparison

EnviroGear	
Model	Ideal Flowrate (gal / rev)
S1-55	0.238
S1-69	0.297
S1-82	0.357

DuraLobe	
Model	Ideal Flowrate (gal / rev)
S3S	0.139
S3M	0.210
S3L	0.281



Model		Dimensions (in)										
		B	C	D	E	F	J	M	P	R	T	U
EnviroGear	Std Shaft	12.04	6.18	7.00	8.75	4.00	0.53	9.88	1.38	19.41	3.50	1.438
	Short Shaft							8.50		18.03		
DuraLobe	S3S	12.04	6.18	8.46	8.42	4.88	0.51	10.20	n/a	14.06	3.15	1.496
	S3M									14.53		
	S3L									15.31		

How to replace a DuraLobe with an EnviroGear (with no piping changes):

1. Specify the optional “low profile magnet housing” (only for Models S1-24, S1-32)

The standard magnet housing for the Models S1-24 and S1-32 positions the pump ports 1/2" higher than the ports on the DuraLobe Models S2S, S2M and S2L, so you must specify EnviroGear’s optional “low profile magnet housing” if you need the pump ports to match the existing piping height.

2. New pump mounting holes

Drill new mounting holes into the existing baseplate for the pump.

3. Replace the coupling hub.

The EnviroGear’s standard shaft diameters are different than the DuraLobe’s, so you need a new coupling for the pump. The rest of the original coupling can be reused.

4. Reposition the gear reducer.

a. For **Model S3S, S3M or S3L** with **Viking “B” reducer**:

There should be a 1.46” riser block under the mounting foot. Discard the block and slide the reducer backwards to accommodate the different “R” dimensions. Drill new mounting holes into the existing baseplate for the reducer’s mounting foot. Pivot the gear reducer so that the input shaft matches the height of the motor shaft.



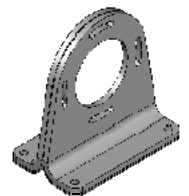
Viking “B” reducer
(with 7” Viking foot)

b. For **Model S3S, S3M or S3L** with **Viking “C” reducer**:

Discard the original mounting foot and riser block and replace them with PeopleFlo’s new mounting foot, part no. DG9. Slide the reducer backwards to accommodate the different “R” dimensions. Drill new mounting holes into the existing baseplate for the reducer’s mounting foot. Pivot the gear reducer so that the input shaft matches the height of the motor shaft.



Viking “C” reducer
(with 7.75” Viking foot))



PeopleFlo foot
part no. DG9
(for Viking “C” reducer)

c. For **Model S2S, S2M or S2L** with **Viking “B” reducer**:

If the original reducer mounting foot is either 5.50” or 7.00” high, then you need to obtain a different Viking mounting foot that is 4.625” high (Viking part no. 2-074-010-100). Drill new mounting holes into the existing baseplate for the reducer’s mounting foot, and mount the foot on a .375” riser. Pivot the gear reducer so that the input shaft matches the height of the motor shaft.

5. Reposition the motor.

It must move backwards (due to “R” dimension difference) and sideways (due to reducer pivoting). Drill new mounting holes into the existing baseplate for the motor.

6. Verify that the existing motor and/or reducer is strong enough.

In most cases, the EnviroGear pump makes more flow per revolution compared to the DuraLobe. This means it needs more torque to drive it, sometimes more than your existing motor and reducer can supply. Check the EnviroGear performance curves to see its drive torque and power requirements. You may need to either:

- change to a larger motor, and/or
- change to a higher gear ratio reducer.

Remember that an inverter-driven motor’s power output is dependent on the input frequency as follows:

$$\text{actual HP} = \text{nameplate HP} \times (\text{input frequency}/60\text{hz})$$