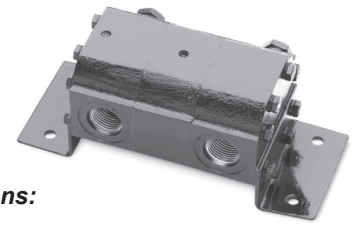




FLUID COMPONENTS, INC.

# Model FDA Gear Flow Divider



Model FDA is a rotary gear flow divider with 6 displacements from .129 to .517 in<sup>3</sup>/rev (2.13 to 8.42 cm<sup>3</sup>/rev). Maximum flow rates of 2.5 to 8.5 gpm are available across the displacement range. Standard ports are SAE, sizes are noted in the data chart below.

**Recommended working conditions:**

- FILTRATION: 25 micron or better
- OIL VISCOSITY: 6 - 200 cSt
- INLET PRESSURE: 12 - 32 psi absolute
- OIL TEMPERATURE: -25° - 80° C (-12° - 175° F)
- AMBIENT -22° - 55° C (-8° - 130° F)

## Technical Specifications

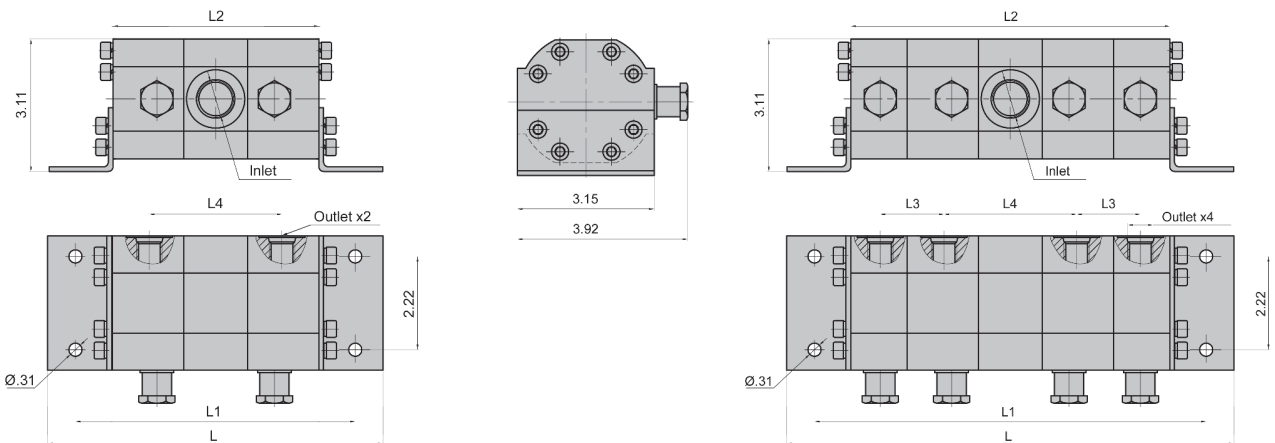
Specifications based on using Petroleum oil at 120°F (49°C), viscosity 150 SUS at 100°F and 0 inlet pressure.

Model	Displacement		Flow per Section (gpm)		Dimensions						
	in <sup>3</sup> /rev	cm <sup>3</sup> /rev	min	max	Inlet	Outlet	L1	L2	L3	L4	L5
FDA-2*-129*	.129	2.13	1.20	2.5	SAE 8	SAE 8	4.25	-	2.87	6.02	7.24
FDA-2*-194*	.194	3.18	1.70	4.5	SAE 8	SAE 6	4.60	-	2.76	6.38	7.60
FDA-2*-258*	.258	4.24	2.50	5.0	SAE 10	SAE 10	4.84	-	2.99	6.61	7.83
FDA-2*-323*	.323	5.29	3.00	6.0	SAE 10	SAE 10	5.16	-	3.31	6.93	8.15
FDA-2*-388*	.388	6.36	3.50	7.0	SAE 10	SAE 10	5.43	-	3.58	7.20	8.43
FDA-2*-517*	.517	8.42	4.50	9.0	SAE 10	SAE 10	6.02	-	4.17	7.80	9.02
FDA-4*-129*	.129	2.13	1.20	2.0	SAE 8	SAE 8	7.72	1.58	3.23	9.49	10.71
FDA-4*-194*	.194	3.18	1.70	3.0	SAE 8	SAE 6	8.39	1.69	3.19	10.39	11.42
FDA-4*-258*	.258	4.24	2.50	4.2	SAE 10	SAE 6	8.86	1.81	3.43	10.63	11.85
FDA-4*-323*	.323	5.29	3.00	4.7	SAE 10	SAE 8	9.49	1.97	3.74	11.26	12.48
FDA-4*-388*	.388	6.36	3.50	6.1	SAE 10	SAE 8	10.04	2.09	4.25	12.44	13.03
FDA-4*-517*	.517	8.42	4.50	8.5	SAE 10	SAE 10	11.22	2.40	4.61	12.99	14.21

Flow Rate (gpm) = Displacement (in<sup>3</sup>/rev) X Speed (rpm) / 231

Volumetric efficiency % ≥93

## Installation Data



**Ordering Example:** **FDA** - **2** - **R** - **258** - **S**

Category	Series	Relief	Displacement	Ports
FDA = Flow Divider	2 - 2-section 4* - 4-section	R = Relief Valve N = No Relief Valve	129/194/258 323/388/517	S - SAE

\*Special Order - minimums may apply