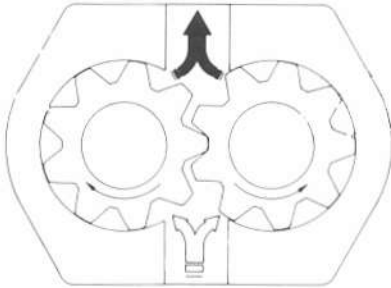


External gear pumps

This pump, fixed displacement external gear pump, sucking the fluid oil into the chamber enclosed by the gear and the casing, delivers it from IN port to OUT port for pump operation.



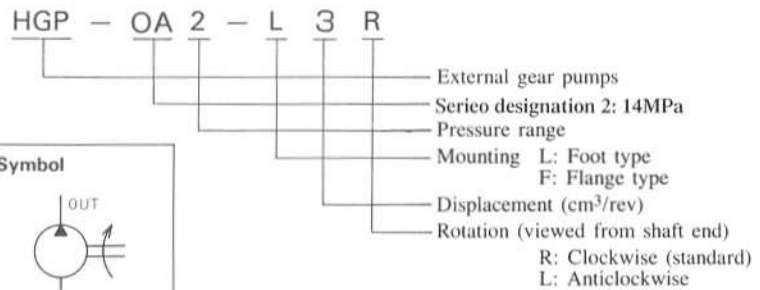
• Features

1. Max. speed is higher (3,000~4,000 rpm) than vane pumps.
2. With its casing and bearing made of special aluminum alloy, this pump is compact and light-weighted.
3. Output per unit weight and volume is large.

Series HGP-O*2



• Model coding



• Specifications

1,800min⁻¹, 37mm²/s

Model	Displacement		Pressure				Delivery							
	cm ³ /rev	in ³ /rev	Rsted		Max.		0.5MPa	71 psi	7MPa	1,000 psi	14MPa	2,000 psi	15MPa	3,143 psi
			MPa	psi	MPa	psi	ℓ/min	gpm	ℓ/min	gpm	ℓ/min	gpm	ℓ/min	gpm
HGP-OA2-# 1 R	1	0.061	15	2,143	17.5	2,500	1.7	0.45	1.6	0.42	1.4	0.37	1.4	0.37
HGP-OA2-# 2 R	2	0.122					3.5	0.92	3.3	0.87	3.1	0.82	3.1	0.82
HGP-OA2-# 3 R	3	0.183					5.2	1.37	5.0	1.32	4.8	1.27	4.8	1.27

1,800min⁻¹, 37mm²/s

Model	Input								Speed min ⁻¹		
	0.5MPa	71 psi	7MPa	1,000 psi	14MPa	1,000 psi	15MPa	2,143 psi	Rated	Max.	Min.
kW	HP	kW	HP	kW	HP	kW	HP				
HGP-OA2-# 1 R	0.1	0.1	0.3	0.4	0.5	0.7	0.6	0.8	1,800	4,000	750
HGP-OA2-# 2 R	0.1	0.2	0.5	0.7	0.9	1.2	1.0	1.3			
HGP-OA2-# 3 R	0.1	0.2	0.7	0.9	1.3	1.7	1.4	1.9			