



## VG10 Series-----

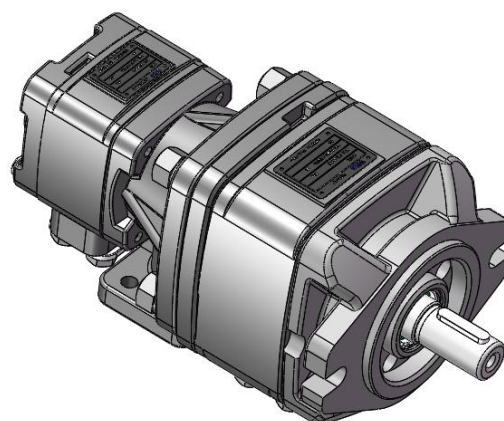
Internal meshing duplex gear pump consists of pump body, internal gear ring, gear shaft, spline coupling, front cover, intermediate body, back cover, flow distribution disk, crescent plate, sealing rod and other components. It is assembled and connected by two single pumps, VG1 and VG0, with a common inlet and an outlet that can provide two independent circuits. Internal axial and radial pressure compensation design, with high working pressure, wide range of speed, low noise, reliable work and so on. Flexible and convenient combination, the same series of front and rear displacements can be arbitrarily combined. The rear pump can be rotated 180°, which can flexibly change the position of inlet and outlet oil direction. Mainly used in injection molding machines, die-casting machines and other machinery in the hydraulic system.

### Model Description

**VG10 - G \*\*-\*R P F**

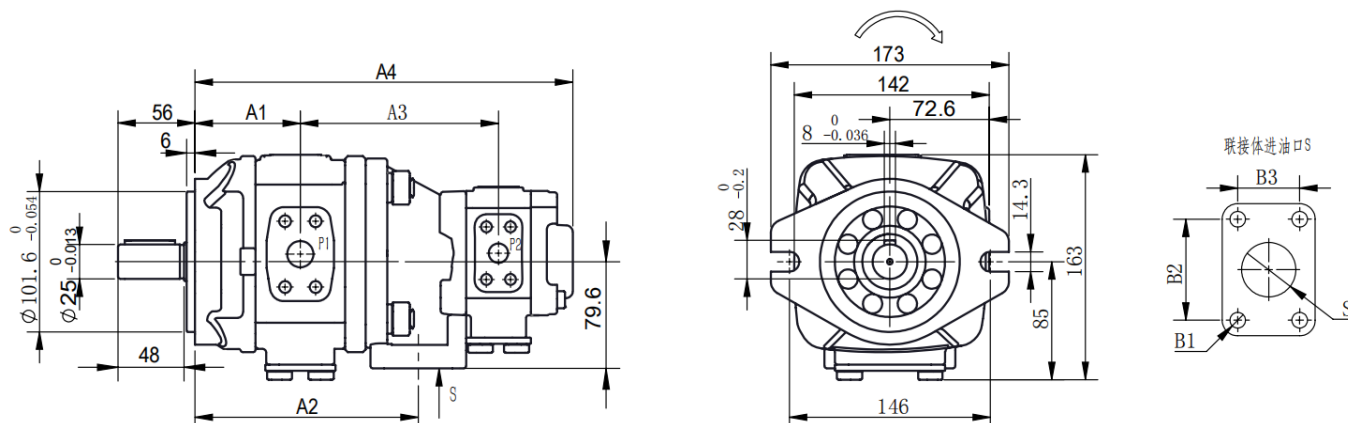
①      ②   ③ ④ ⑤ ⑥ ⑦

- ① Product code
- ② Pressure rating      G:31.5 MPa
- ③ Front Pump Displacement
- ④ Rear Pump Displacement
- ⑤ Direction of rotation    R: CW    L: CCW
- ⑥ Axis extension form    P: Flat key
- ⑦ Oil port form      F: Flange form





## External figure



## Performance Parameters

Front pump model	Pressure (MPa)		Angular velocity (r/min)		Volumetric efficiency (≥%)	A2	A1
	rated	max	min	max			
VG10-G25-*	31.5	35	200	3000	92	73	153
VG10-G32-*	31.5	35	200	3000	92	76	160
VG10-G40-*	31.5	35	200	3000	92	80	167
VG10-G50-*	31.5	35	200	3000	92	85	177
VG10-G63-*	31.5	35	200	3000	92	92	191

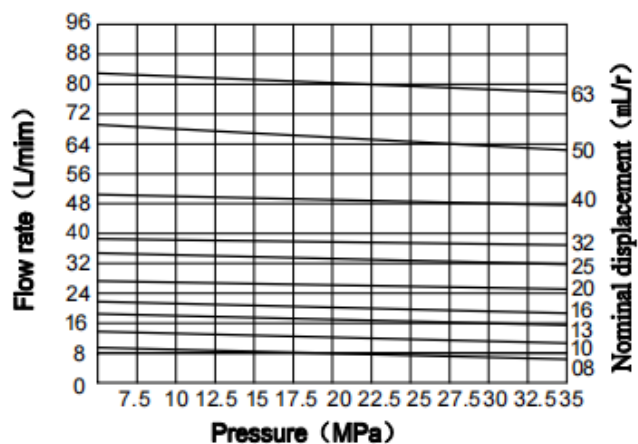
Front pump model	Rear pump model												S	B1	B2	B3
	VG0-G08		VG0-G10		VG0-G13		VG0-G16		VG0-G20		VG0-G25					
	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4				
VG1-G25-*	73	264	140	268	143	275	146	280	150	288	154	296	51	M12 *20	69.9	35.7
VG1-G32-*	76	271	144	275	147	282	150	287	154	295	158	303				
VG1-G40-*	80	278	147	282	150	289	153	294	157	302	161	310				
VG1-G50-*	85	288	152	292	155	299	158	304	162	312	166	320				
VG1-G63-*	92	302	159	306	162	313	165	318	169	326	173	334				



## Characteristic curve

Flow pressure characteristics:

(Test conditions:  $n=1450\text{r/min}$   $V=46\text{mm}^3/\text{s}$   $t=55^\circ\text{C}$ )



## Noise curve

Pressure noise characteristics:

(Test conditions:  $n=2000\text{r/min}$   $V=46\text{mm}^3/\text{s}$   $t=55^\circ\text{C}$ )

