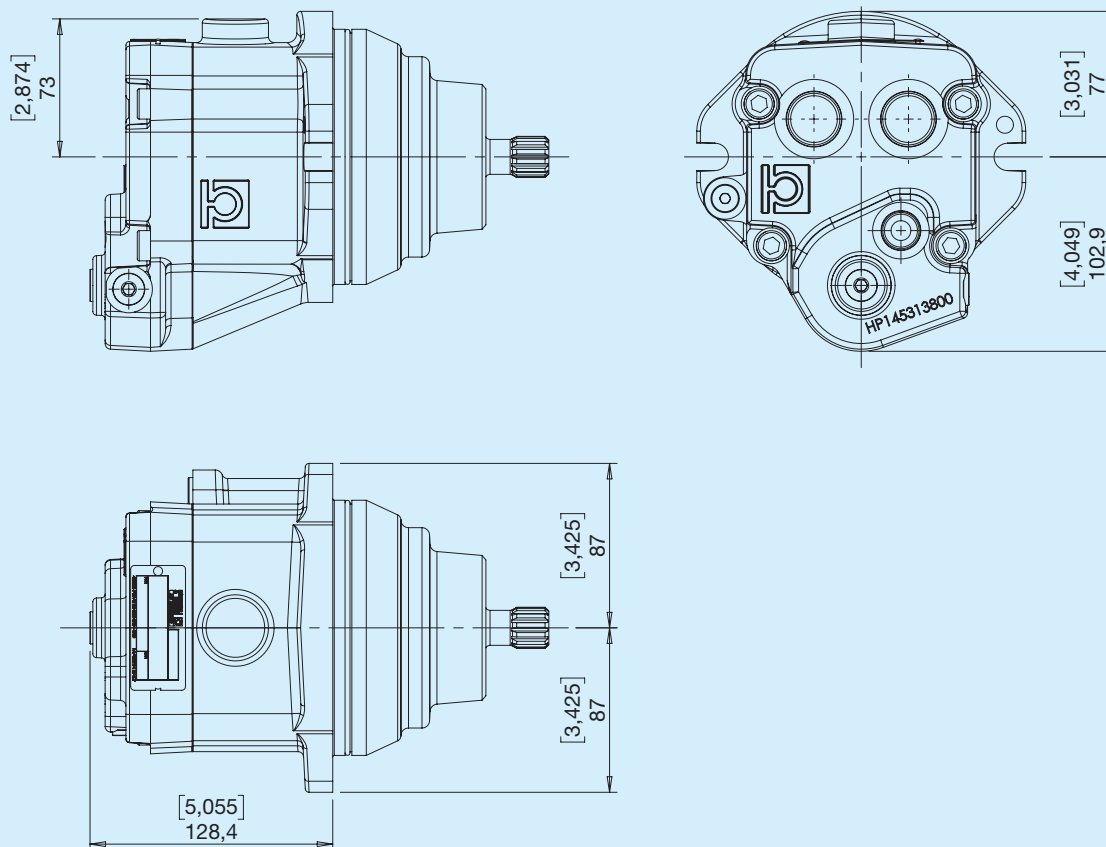


Variable-displacement motors

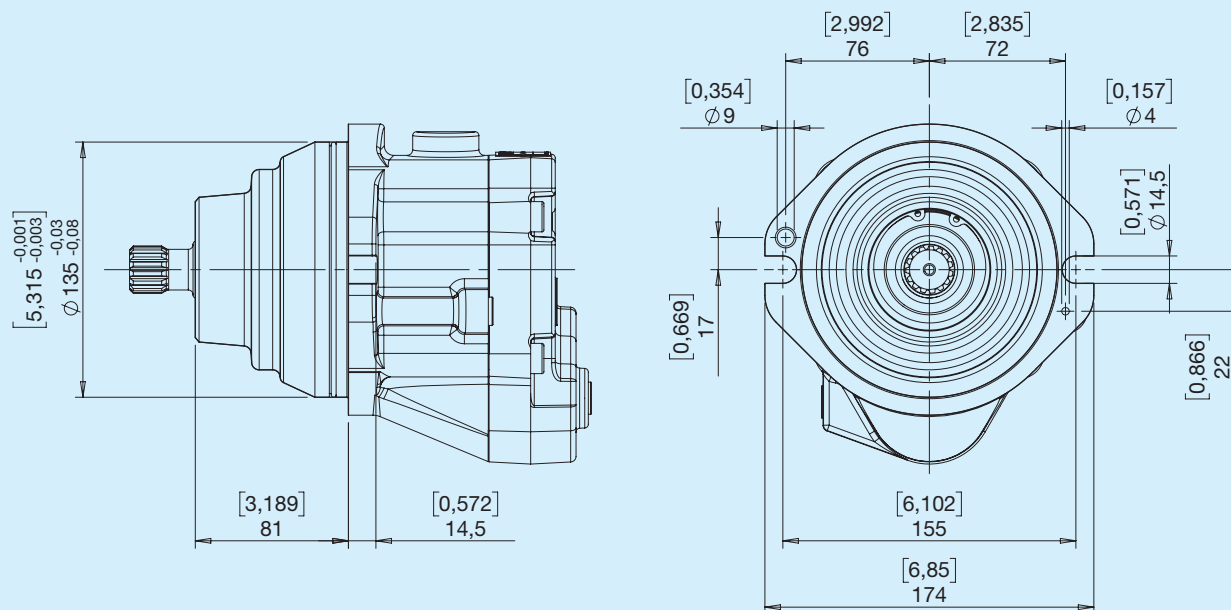


Before using the axial piston pumps and motors, carefully read the GENERAL INSTRUCTIONS FOR USE OF CLOSED CIRCUIT AXIAL PISTON PUMPS AND MOTORS.

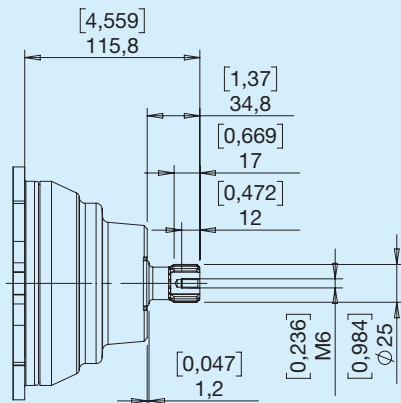


HPV3	Theoretical displacement		Shoe retainer plate °	Continuous Pressure		Intermittent pressure		Peak pressure		Rotational speed		Weight	
	cm ³	in ³		bar	psi	bar	psi	bar	psi	min ⁻¹	min ⁻¹	kg	lbs
040	38	2.31	14.6	300	4350	320	4640	350	5075	4400	500	13.5	29.7

C Cartridge centring

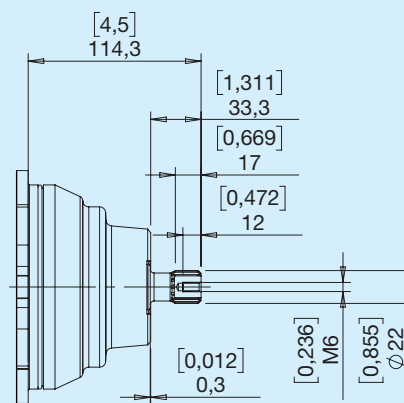


1 SAE 15T 16/32 DP



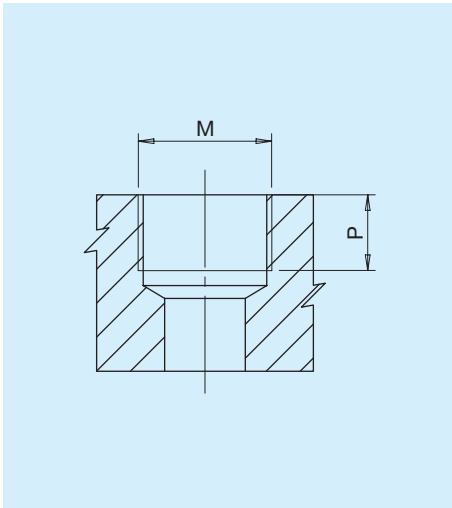
Max. torque 230 Nm

9 SAE 13T 16/32 DP



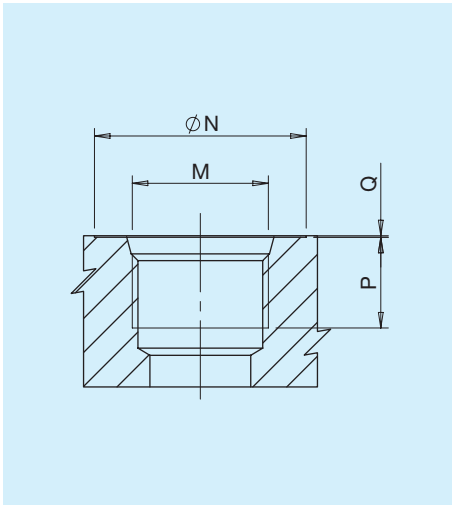
Max. torque 180 Nm

Type G



Type	M	Nm	P	
			mm	in
G2	Port ISO 1179-1 - G 1/4	17	12	0.47
G3	Port ISO 1179-1 - G 3/8	38	12	0.47
G4	Port ISO 1179-1 - G 1/2	70	14	0.55
G6	Port ISO 1179-1 - G 3/4	90	16	0.63

Type U

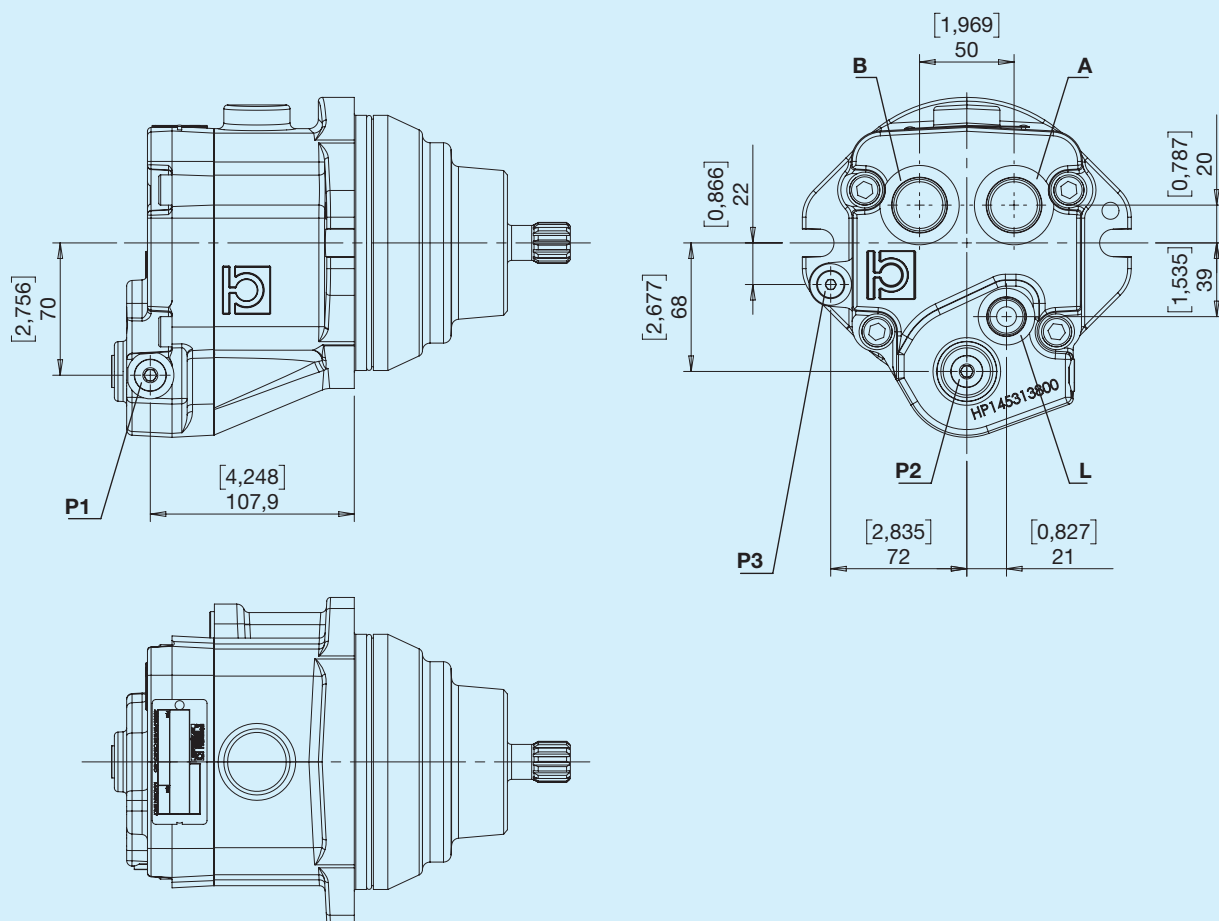


Type	Dim.	N		P		Q		M	Nm
		mm	in	mm	in	mm	in		
U2	1/4"	22	0.87	10	0.39	0.3	0.01	Port ISO 11926-1-7/16-20	17
U3	3/8"	25	0.98	13	0.51	0.3	0.01	Port ISO 11926-1-9/16-18	38
U4	1/2"	30	1.18	15	0.59	0.3	0.01	Port ISO 11926-1-3/4-16	47
U6	3/4"	42	1.65	20	0.79	0.3	0.01	Port ISO 11926-1-1 1/16-12	90

Combinations

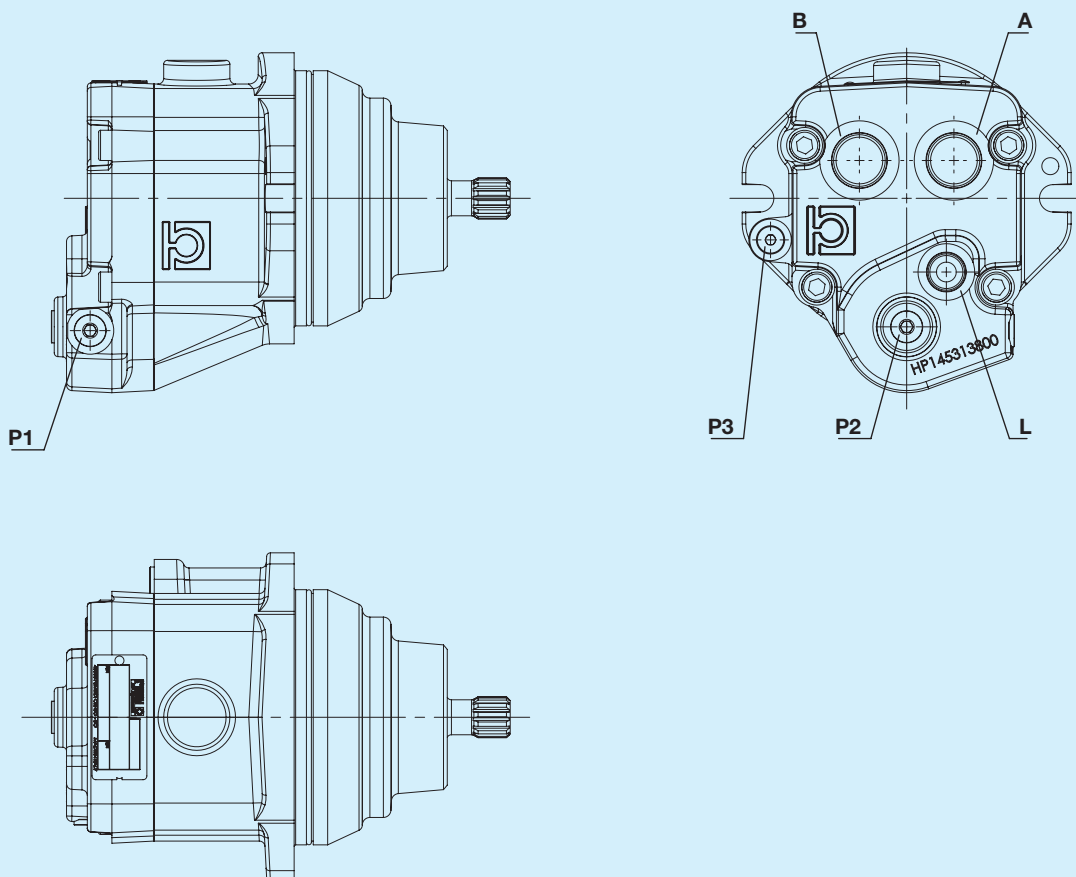
Type	Inlet/outlet A-B	Drain port L	Pilot pressure P1-P2	Brake opening port P3
G	G6	G6	G6	G2
U	U6	U6	U6	U2

P Rear



A,B - Use
 L1, L2 - Drain port
 S - Inlet
 P3 - Pilotaggio sblocco freno

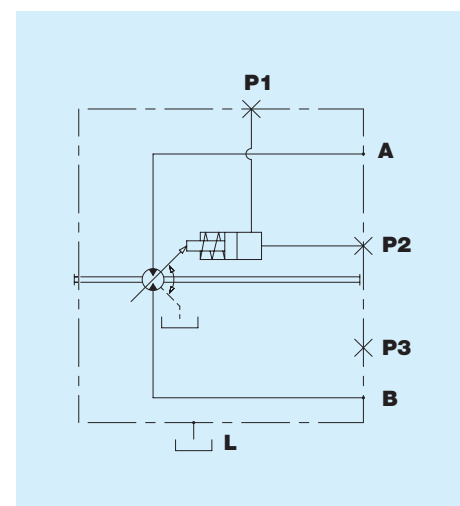
K 2 position hydraulic



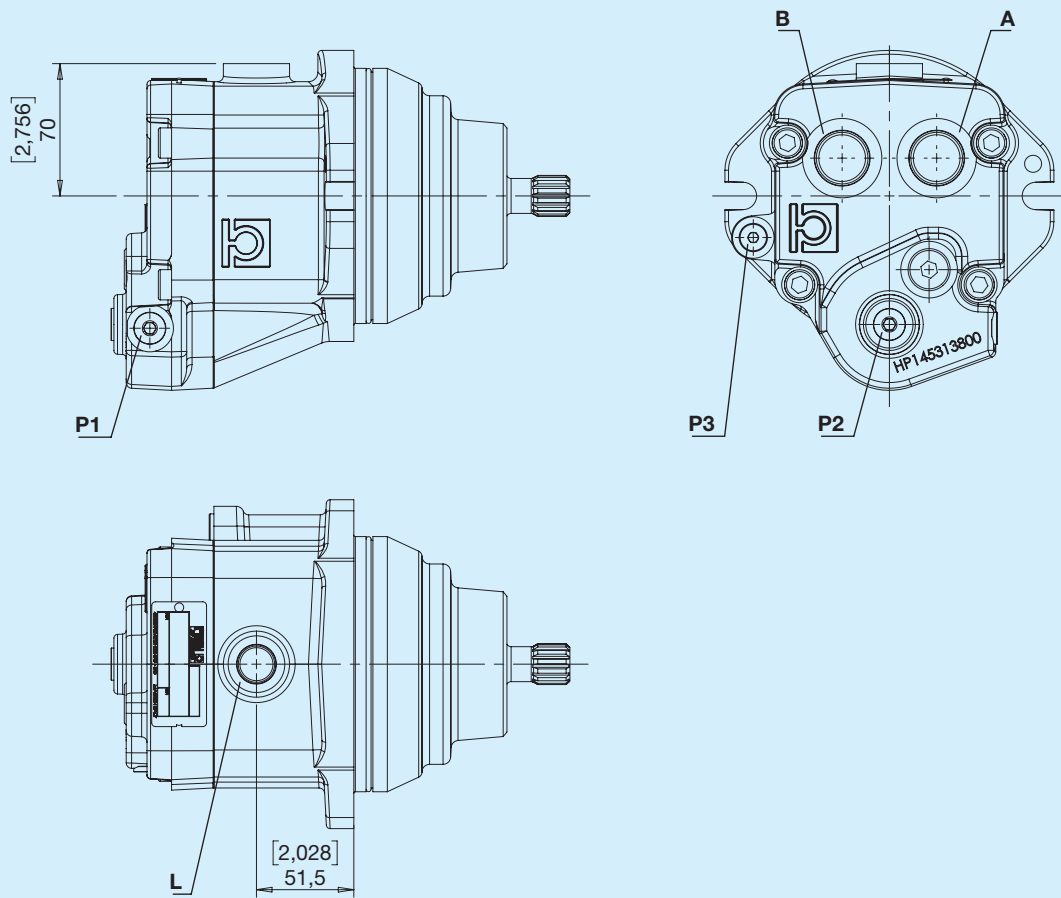
Outlet

Inlet	Rotation
Right	Right
Right	Left

Hydraulic diagram

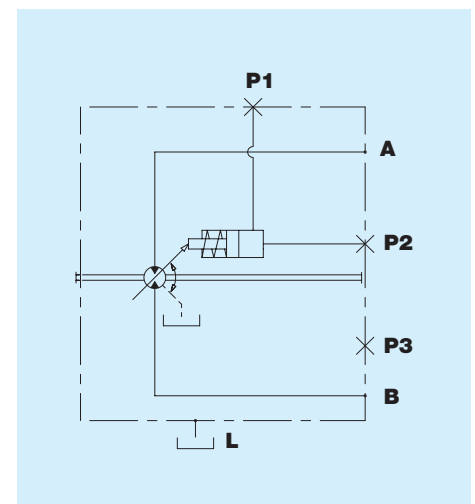


L Side drain



L - Drain port G1/2

Hydraulic diagram



	1	2	3	4	5	6	7	8	9	10	11	12	13	14
HPV3														

1	Flanges													
	C Cartridge centring													
2 3	Standard displacement													
	38													
4 5 6	Minimum displacement													
	009													
7	Shaft profile													
	1 SAE 15T 16/32 DP 9 SAE 13T 16/32 DP													
8	Type of ports													
	G Gas U Unf													
9	Position of ports													
	P Rear													
10	Controls													
	K 2 position hydraulic													
11	Accessories													
	0 No option L Side drain C Black paint													
12 13 14	Special versions													
	...													