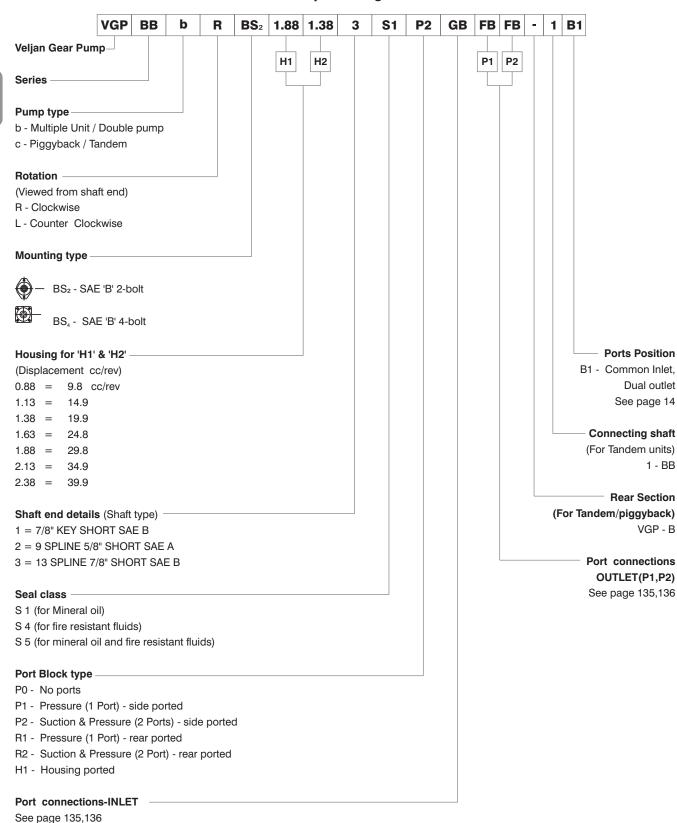


BB Series

Gear Pump Ordering Code







Performance Data:-

The performance data shown below are the average results based on a series of laboratory tests of production units and are not necessarily representative of any one unit. Test were run with an oil reservoir temperature of 50° C and a viscosity of 38mm2/S at 40° C.

Note: Pump output flow is at the maximum rated pressure (See page 16, General pump data)

VGP - B Performance Data:-

VGP - B Performance Data :

B-Series		Gear Housing Widths										
D-36	eries	0.88"	1.13"	1.38"	1.63"	1.88"	2.13"	2.38"				
cc/	rev	9.8	14.9	19.9	24.8	29.8	34.9	39.9				
Dunnan	(bar)	240	240	240	240	220	200	170				
Pressure	(psi)	3500	3500	3500	3500	3250	3000	2500				
Max.Speed	(rpm)	3000	3000	3000	3000	3000	3000	3000				
Pump Weight	(kg)	8.50	8.55	8.60	9.0	9.50	9.80	10.50				

Relational chart for Flow rate & Housing width:

В	Speed (rpm)	Gear Housing Widths / Flow Rate [VGP - B Series]													
		0.8	38"	1.1	3"	1.3	88"	1.6	3"	1.8	8"	2.1	3"	2.3	88"
		gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
	1000	2.58	9.80	3.93	14.90	5.25	19.90	6.55	24.80	7.87	29.80	9.22	34.90	10.54	39.90
	1500	3.35	12.70	5.36	20.31	7.42	28.12	9.29	35.20	11.14	42.17	13.56	51.35	14.87	56.32
	2000	4.57	17.30	7.55	28.61	9.90	37.50	12.45	47.15	15.01	56.85	17.92	67.85	20.39	77.21
	2500	5.85	22.15	9.57	36.25	12.21	46.25	15.65	59.25	19.00	71.92	22.52	85.25	25.42	96.25
	3000	7.45	28.21	11.28	42.70	14.85	56.21	18.75	71.00	23.05	87.25	26.86	101.69	30.70	116.21

Relational chart for Housing width & Input Power:

	Speed (rpm)	Gear Housing Widths / Input power [VGP - B Series]													
		0.88"		1.13"		1.38"		1.63"		1.88"		2.13"		2.38"	
		HP	KW	HP	KW	HP	KW	HP	KW	HP	KW	HP	KW	HP	KW
В	1000	7	5	11	8	13	10	16	12	17	13	20	15	21	16
	1500	11	8	15	11	19	14	23	17	25	19	28	21	30	22
	2000	13	10	19	14	24	18	30	22	34	25	36	27	39	29
	2500	16	12	23	17	30	22	36	27	41	31	44	33	47	35
	3000	19	14	27	20	35	26	43	32	48	36	51	38	54	40

Note: In accordance with our policy of continuous development, we reserve the right to change specifications shown in this catalogue without notice.

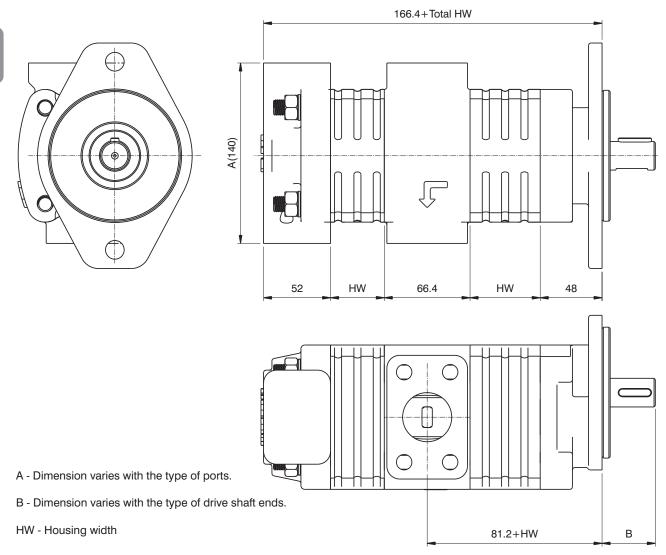
VGP DGP



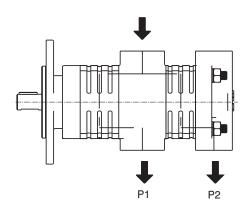
Double Pump Unit Dimensions of VGP - BB:-

COMMON INLET - B1 (One Inlet , Two Outlets) - VGP - BB





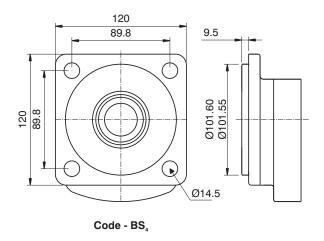
VGP-BB Series							
Housing Width	Displaceme	ent (cc/rev)					
Inches (HW)	P1	P2					
0.88"	9.8	9.8					
1.13"	14.9	14.9					
1.38"	19.9	19.9					
1.63"	24.8	24.8					
1.88"	29.8	29.8					
2.13"	34.9	34.9					
2.38"	39.9	39.9					



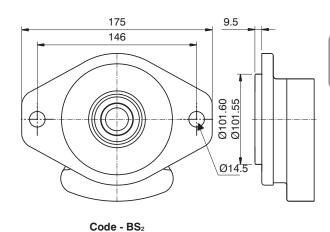
DGP

FLANGE DETAILS - 'BB' Series:-

S.A.E - "B" 4 - BOLT FLANGE



S.A.E - "B" 2 - BOLT FLANGE

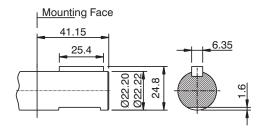


Drive shaft configurations:-

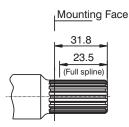
Side ported (SAE Versions) Shafts:-

- Satisfactory drive shaft transmission capacity is indicated with the product of pressure(P) & Displacement (D) is less than or equal to (<) a given constant. The units of P & D are expressed in psi & in³/rev. respectively
- Pump rotation as viewed from the shaft end: Clockwise rotation outlet on right; Counter clockwise rotation outlet on left

Shaft code 1:

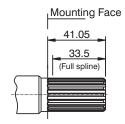


Shaft code 2:



SAE-A splined shaft Class 1-J498b 16/32 dp.9 teeth 30° PA flat root side fit.

Shaft code 3:



SAE-B splined shaft Class 1-J498b 16/32 dp.13 teeth 30° PA flat root side fit.

Drive shaft (Shaft loads) Maximum Input Torque for VGP - BB series :-

Code	Shaft type	Torque	rating		
Code	Shart type	Nm	lb-ft		
1	7/8" KEY SHORT SAE B	225	165		
2	9 SPLINE 5/8" SHORT SAE A	108	80		
3	13 SPLINE 7/8" SHORT SAE B	326	240		