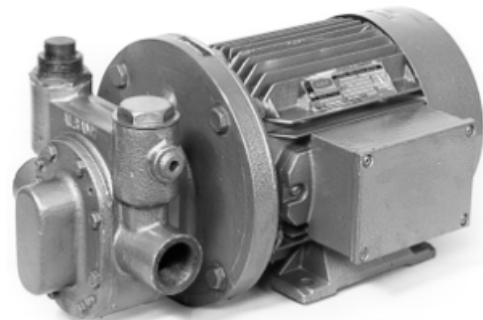
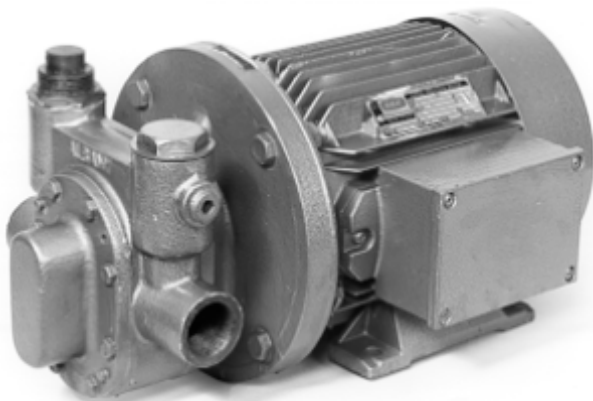


# Albany Pumps

## *VP Range* CLOSE COUPLED ELECTRICALLY DRIVEN *ROTARY GEAR PUMPS*



### APPLICATION:

For use with lubricating oils, fuel oils, paraffin etc.  
Oil burning/Dispensing  
Lubrication systems  
Low pressure hydraulic power  
Oil circulating

**THE ALBANY ENGINEERING COMPANY LIMITED, Church Road, Lydney, GLOS GL15 5EQ**

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## SPECIFICATION:

### Construction:

Casing Cast Iron to BS 1452  
Rotors and shafts – hardened alloy steel to BS970 or carbon steel  
Bushes – self lubricating type  
Mechanical seal with carbon face  
Relief valve fitted in body, adjustable for pressure and direction of rotation of pump  
Cast steel or Gunmetal casings are supplied to order.

### Drive:

Totally Enclosed Fan Cooled IP55 Electric Motor (Class F insulation) to BS4999 and IEC 34-1 rated for pressures given below. For use on 220/240/420v. 3 phase 50 Hz supply at 1420 rpm. and for use on 250/280/440/480v, 3 phase, 60 Hz supply at 1710 rpm

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## PERFORMANCE:

PUMP SIZE	Nominal Capacity at 50 p.s.i. (3.5 Kg/cm <sup>3</sup> )		Branch size BSP Female	Motor kW	Total weight Kgs	Maximum pressure Kg/cm <sup>2</sup>
	L/M	M <sup>3</sup> /hr				
VP2	5.9	0.35	1/4"	0.37	7.7	10
VP3	10	0.62	1/4"	0.75	14.5	17
VP3.5	14	0.87	1/2"	0.75	15	14
VP4	27	1.69	1/2"	1.1	20	12
VP5	43	2.6	3/4"	1.1	22.5	10
VP6	63	3.8	3/4"	1.5	31	6
VP7	95	5.86	1"	2.2	35	7
VP8	155	9.6	1¼"	3	54	7
VP9	217	13.8	1½"	4	60	5.5

On certain sizes of pumps (VP4 and over) flanged branches are supplied to BST 'D', ASA 150 lb. and DIN

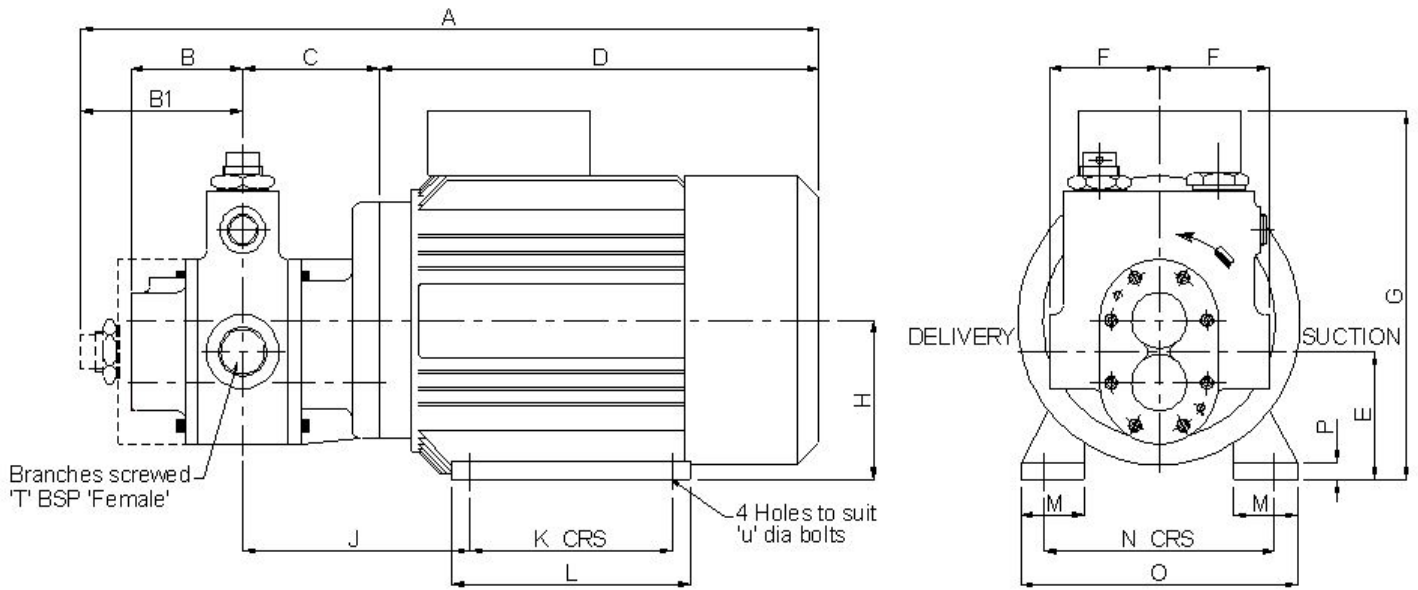
### Temperature:

Maximum temperature of the units is usually 80°C. Higher temperatures to 120°C can be accommodated to special order.

### Maximum oil viscosity:

Units will accommodate viscosities up to 750 cst under certain conditions a viscosity of up to 1000 cst can be accommodated - please refer to works.

## DIMENSIONS in millimetres



PUMP SIZE	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	O	P	T	U	MOTOR
VP2	335	-	68	52	215	60	49	183	71	97	90	109	30	112	144	12	¼"	M6	D71C
VP3	362	-	73	57	232	70	28	209	80	107	100	125	34.5	125	153	9.5	¼"	M8	D80C
VP3.5	374	-	79	63	232	70	43	209	80	113	100	125	34.5	125	153	9.5	½"	M8	D80C
VP4	388	46	-	75	267	74	57	228	90	131	100	150	37	140	170	11	½"	M8	D90SC
VP5	407	55	-	85	267	74	57	228	90	141	100	150	37	140	170	11	¾"	M8	D90SC
VP6	418	67	-	84	267	69	83	228	90	140	125	150	37	140	170	11	¾"	M8	D90LD
VP7	478	78	-	95	305	79	76	250	100	158	140	166	44	160	192	12	1"	M10	D100LC
VP8	479	79	-	94	305	72	111	250	100	157	140	166	44	160	192	12	1¼"	M10	D100LD
VP9	527	92	-	107	328	84	121	273	112	177	140	175	48	190	220	15	1½"	M10	D112MD

**NOTE** For sizes larger than illustrated please refer to works.

## VARIATIONS AVAILABLE

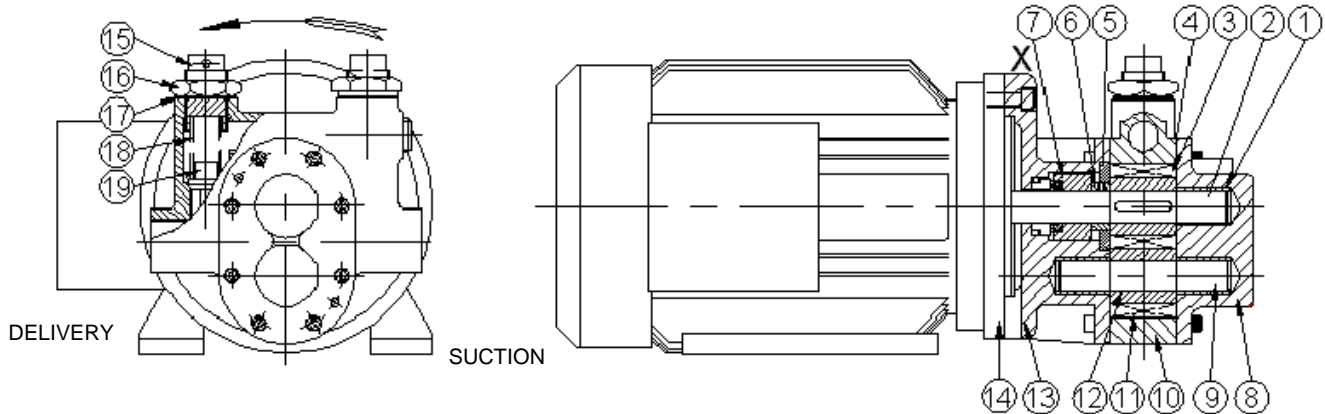
Vertical Tank Top mounted models are supplied to comply with API 614.

Please ask for leaflet R5V.



Model shown VP9

# PARTS LIST



When rotation reversed:  
suction & delivery opposite, relief valve on opposite side

1#	Bush	8	Back cover	15	Adjusting Screw
2	Drive shaft	9#	Idling shaft	16	Locknut
3#	Drive rotor and key	10	Body	17	Washer
4#	Gasket	11#	Idling rotor	18	Spring
5	Seal cover plate	12	Idling rotor bush (when fitted)	19	Washer
6	Collar	13	Front cover		
7#	Mechanical seal	14	Bleed hole		

**SPARES** Items we recommend as spares are indicated #  
When ordering spares please quote pump size and the pump serial number - stamped in position 'X'

## Other standard Albany products -

Foot/flange mounted rotary gear pumps (AP range) Leaflet R1  
Heavy duty and special rotary gear pumps (SMC range) Leaflet R4  
Centrifugal pumps horizontal and vertical (GS, Passall & Stothert & Pitt ranges) Leaflets C6, C3, CP/01  
Crown, Stanhope and Barclay Kellett ranges of Rotary gear and Centrifugal pumps  
Twin Screw pumps Stothert & Pitt type to 400 m<sup>3</sup>/hr  
Internal rotary lobe pumps Stothert & Pitt type to 350 m<sup>3</sup>/hr

Quality Assurance to  
BS EN ISO 9001:2008



Certificate No. **FM 20986**

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