

G: Gear type pump range

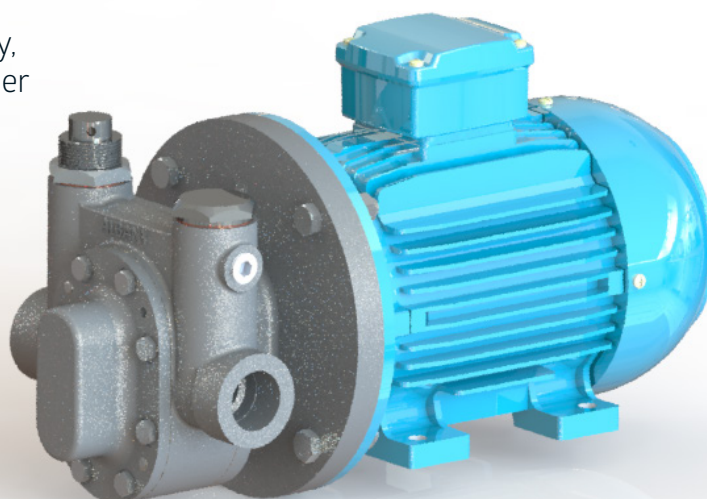
G: V Style:



Materials: CI | CS | GM

Compact pumps

The GV range is a direct drive design ideal for cooling applications normally with a three phase TEFV motor (EExd motors also available). This means that the pump is built directly onto a special motor drive shaft resulting in a compact design. Typical applications include machine tools, sprayers, packaging machinery, bottle washing, de-icing, damp proofing, timber treatment, oil and solvent recycling, fuel oil systems, pressure testing, processing, de-greasing, general circulation, lubrication and transfer duties. Pumps can be supplied as a single unit or as a Duplex pump set.



Albany's 24-page brochure is available as a download at www.albany-pumps.co.uk



Maximum working pressure 15 barg	Pump size range 1/4" - 1 1/2"	Maximum temperature 80°C (120°C special)	Flow rate 6.0-217 L/min
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AL Aluminium | CS Cast Steel | CI Cast Iron | GM Gunmetal | HY Hastelloy | NR Ni-resist | NY Nylon | PP Polypropylene | SD Super Duplex | SS Stainless Steel
 General and Chemical Bitumen Fire Dispenser Machines Food Industry Lubrication Marine Oil & Gas Refrigeration Sugar

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Albany Pumps

G: V Style:

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

SPECIFICATION:

Construction: Casing Cast Iron
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) 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.

Options: Flanged branches

PERFORMANCE:

Pump frame size	Nominal Capacity at 1450 rpm		Branch size BSP Female	Motor kW	Total weight Kgs	Maximum pressure bar
	L/M	M ³ /hr				
AP020	5.9	0.35	1/4"	0.37	7.7	10
AP030	10	0.62	1/4"	0.75	14.5	17
AP035	14	0.87	1/2"	0.75	15	14
AP040	27	1.69	1/2"	1.1	20	12
AP050	43	2.6	3/4"	1.1	22.5	10
AP060	63	3.8	3/4"	1.5	31	8
AP070	95	5.88	1"	2.2	35	7
AP080	155	9.6	1 1/4"	3	54	7
AP090	217	13.8	1 1/2"	4	60	5.5

Temperature: Maximum temperature of the pumped liquid is usually 80°C. Higher temperatures to 120°C can be accommodated to special order.

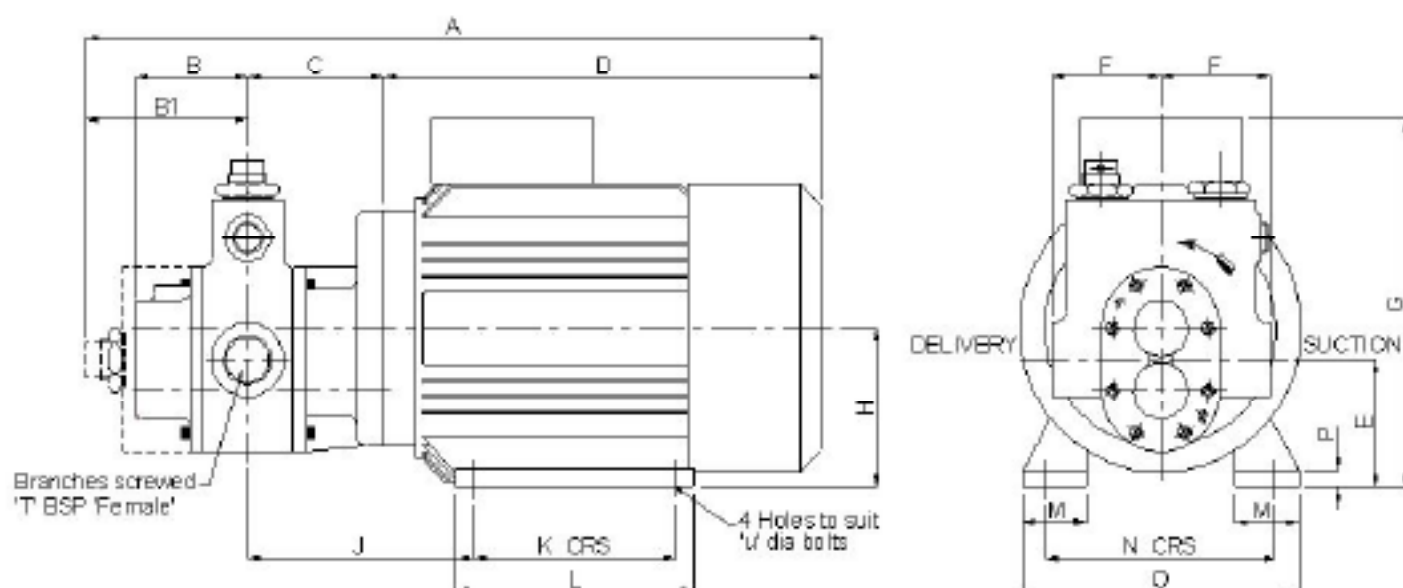
Maximum oil viscosity: Units will accommodate viscosities up to 750 cSt under certain conditions a viscosity of up to 1000 cst can be accommodated - please refer to Albany, also refer for liquids with viscosities less than 30 cSt.

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Albany Pumps

G: V Style:

DIMENSIONS in millimetres



Pump frame size	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	O	P	T	U	MOTOR
AP020	335	-	68	52	215	60	49	183	71	97	90	109	30	112	144	12	3/4"	M6	D71C
AP030	362	-	73	57	232	70	28	209	80	107	100	125	34.5	125	153	9.5	3/4"	M8	D80C
AP035	374	-	79	63	232	70	43	209	80	113	100	125	34.5	125	153	9.5	3/4"	M8	D80C
AP040	388	46	-	75	267	74	57	228	90	131	100	150	37	140	170	11	3/4"	M8	D90SC
AP050	407	55	-	85	267	74	57	228	90	141	100	150	37	140	170	11	3/4"	M8	D90SC
AP060	418	67	-	84	267	69	83	228	90	140	125	150	37	140	170	11	3/4"	M8	D90LD
AP070	478	78	-	95	305	79	76	250	100	158	140	166	44	160	192	12	1"	M10	D100LC
AP080	479	79	-	94	305	72	111	250	100	157	140	166	44	160	192	12	1 1/4"	M10	D100LD
AP090	527	92	-	107	328	84	121	273	112	177	140	175	48	190	220	15	1 1/2"	M10	D112MD

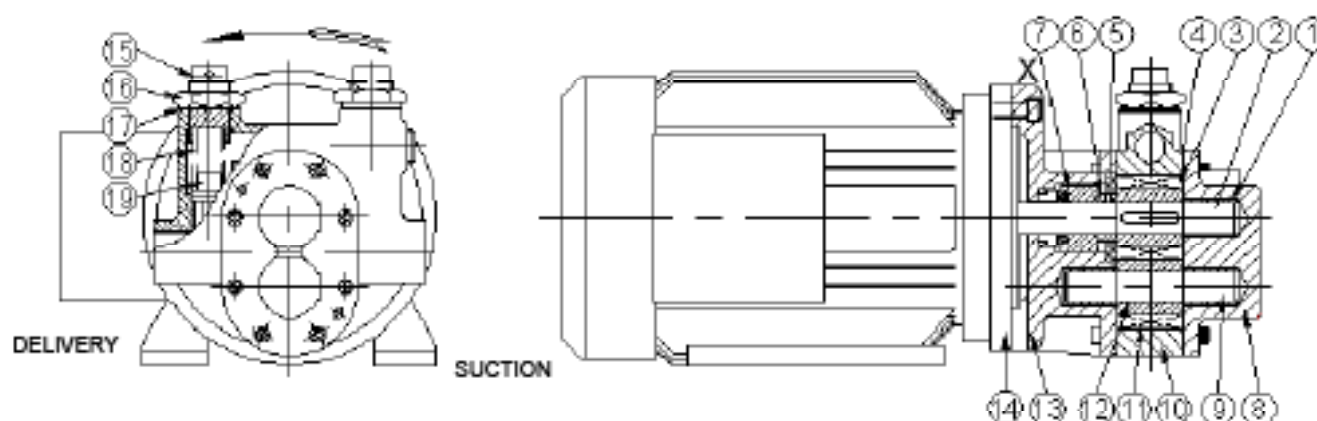
NOTE For sizes larger than illustrated please refer to sales.

Maximum working pressure 15 barg	Pump size range 1/4" - 1 1/2"	Maximum temperature 80°C (120°C special)	Flow rate 6.0-217 L/min
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Albany Pumps

G: V Style:

PARTS LIST



When rotation reversed:
suction and 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'

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