

# STUART

## PUMPS

The Stuart Peripheral range is a further development of the regenerative pumps, building on our success with product enhancement, making them suitable for many applications, including industrial, commercial and general duties or specialised applications on original equipment.

### General Information

The pump body and impeller are of brass manufacture with all other exposed components being made of brass, stainless steel or rubber.

All models are supplied as standard with a carbon/ceramic mechanical seal, mounted in nitrile rubber.

### Features include

- Compact design.
- Capacitor (where fitted) positioned within terminal box for full protection.
- Choice of end or vertical suction pump bodies.
- Choice of seal materials.
- Choice of voltages, frequencies.

### Options

The end suction design (ES) is available in ES250, 330, 500 and 600 models all fitted with a priming cup. The vertical suction options (RG) have no priming plug fitted as standard to these models as the body is self-venting in the vertical position.

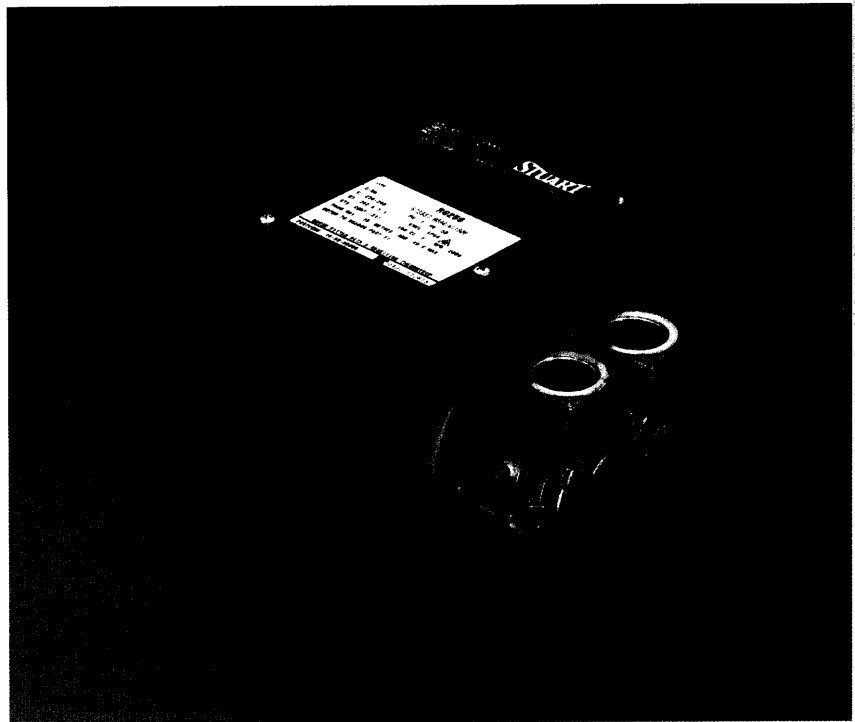
Other seal options are available on request, of either silicon carbide faces mounted in nitrile rubber or silicon carbide faces mounted in viton rubber (hard face seals). For further details refer to the price list.

### Operating Conditions

Max. Liquid Temp. 80°C  
 Min. Liquid Temp. 4°C  
 Max. Suction Lift 4.6m  
 Max. Viscosity 50 Secs  
 Redwood No 1 Scale (9.5 Centistokes).

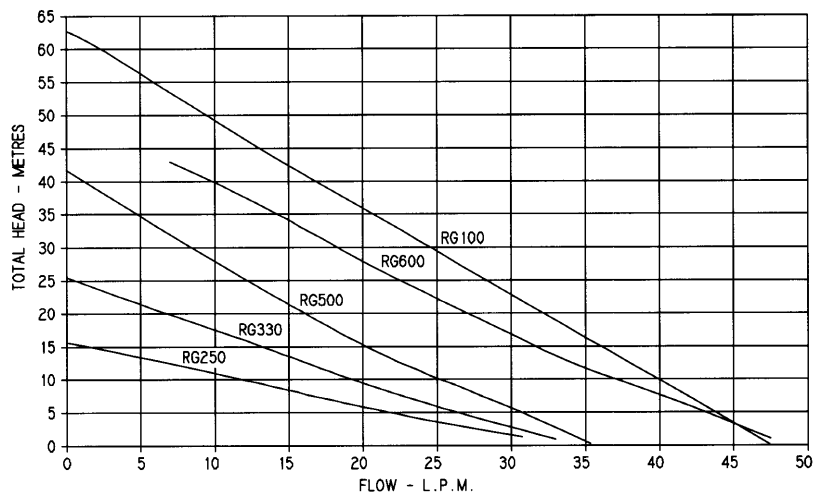
### Pump Connection Sizes

	Inlet	Outlet
ES Models	G1 F	G1 F
RG Models	G¾ F	G¾ F

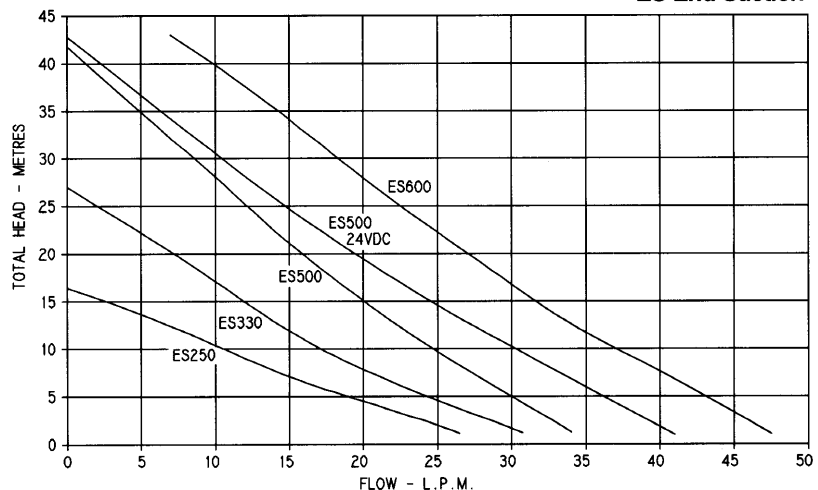


### Performance Curves

RG Vertical Suction



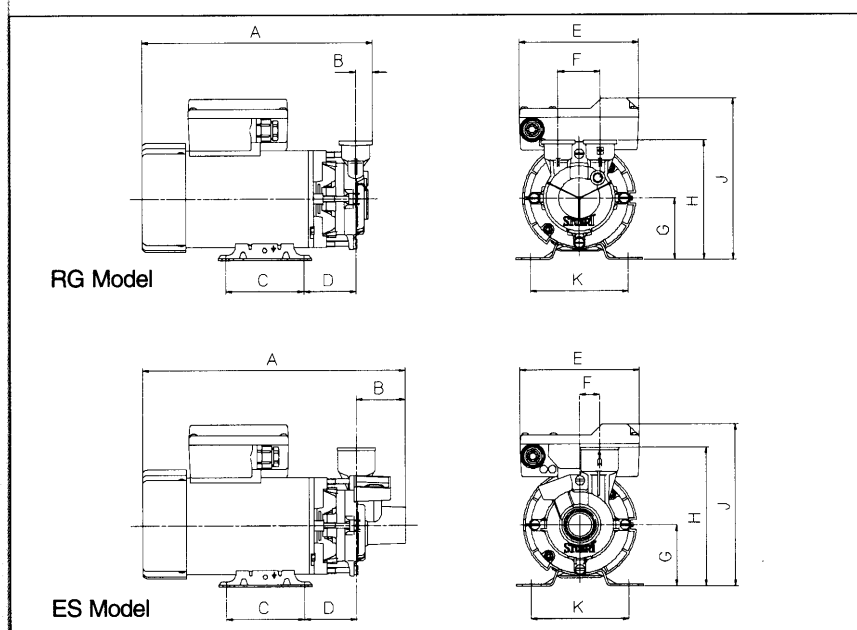
ES End Suction



**Electrical**

Model	Nominal Watts Output	Max. Watts Consumed at Nominal Volts		Full Load (Amps)		Enclosure Designation	Max. Suction Lift
		1PH	3PH	1PH	3PH		
RG/ES250	90	265	260	1.1	0.7	I.P. 44	4.6m
RG/ES330	180	380	N/A	1.6	N/A	I.P. 44	4.6m
RG/ES500	370	540	530	2.4	1.0	I.P. 44	4.6m
RG/ES600	550	885	870	3.9	1.4	I.P. 44	4.6m
RG100	746	1080	1000	5.1	1.8	I.P. 44	4.6m

Model	Nominal Watts Output	Max. Watts Consumed at Nominal Volts	Full Load (Amps)	Enclosure Designation	Max. Suction Lift
ES500 24V d.c.	240	672	28	I.P. 44	4.6m



**Dimensions (mm)**

Dimensions are for standard single phase models only.

Model	A	B	C	D	E	F	G	H	J	K
RG250	200.5	17.5	80	53.3	122	43	63	123	166.5	100
RG330	207.5	17.5	80	53.5	122	43	63	123	166.5	100
RG500	236.5	17.5	80	53.5	122	43	63	123	166.5	100
RG600	260	30	80	37	122	40	63	133	166.5	100
RG100	302	21	90	106	191	43	71	141	142	112
ES250	233	50	80	53.5	122	20	63	143	166.5	100
ES330	240	50	80	53.5	122	20	63	143	166.5	100
ES500	269	50	80	53.5	122	20	63	143	166.5	100
ES600	283.5	53.5	80	37	122	20	63	143	166.5	100
ES500 24V d.c.	256.5	50	N/A	100	100	20	56	136	106	82.5

Stuart Turner Limited reserves the right to amend specifications without notice.

**STUART**

STUART TURNER LTD.

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**Electrical Rating**

Standard motor supplied in 230V, 1 phase, 50Hz, although some models are available with dual voltage 110/230V, 1 phase, 50Hz motors.

Models 500/600 and RG100 are also available with 230/400V, 3 phase, 50Hz as an option. 60Hz is also available on request.

Insulation class F on all above models.

Induction motor, designed for continuous use, of totally enclosed fan cooled construction to I.P. 44 with thermal overload protection incorporated (single phase only).

The ES500 only is available with a 24V d.c. motor for specialist applications. Permanent magnet motor, TE, I.P. 44, class B insulation.

**Accessories**

To help you further with the installation of Stuart pumps, we are able to offer a range of accessories.

For details of all strainers, hose unions, automatic float switches and other accessories, please see our main price list and separate brochures.

Part No.	Description
14-50-26704	G <sup>3</sup> / <sub>4</sub> /1 Springloaded footvalve & strainer
14-50-15726	G <sup>3</sup> / <sub>4</sub> Inline strainer
14-50-16291	G1 Inline Strainer
14-50-26700	G <sup>3</sup> / <sub>4</sub> /1 Non return valve
14-50-26638	F1 20/8 Floatswitch

**Packaging Specification**

Model	Carton Dimensions L x W x H (mm)	Gross Weight kg
RG/ES250	330 x 190 x 190	4.3
RG/ES330	330 x 190 x 190	5.0
RG/ES500 inc. 24V d.c.	330 x 190 x 190	6.6
RG/ES600	330 x 190 x 190	8.5
RG100	380 x 200 x 235	10.1