









Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX Telephone: 01636 816600

Email: sales@energypumps.co.uk

Contents

About Us4-
Maxi Diaphragm Pump Specifications6-
Maxi Mallard Diaphragm Pump Specifications
Major Diaphragm Pump Specifications10-1
Mastiff HD Diaphragm Pump Specifications 12-1
Mallard Ram Pump Specifications14-1
Mallet Ram Pump Specifications16-1
Pipework Arrangements ······18-1



Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX

Telephone: 01636 816600 Fax: 01636 816602

Email: sales@energypumps.co.uk

About Us

The Energy Manufacturing facility in Southwell, Nottinghamshire.



Energy is a family-owned business established in 1979. We have developed a good relationship with our customers and their ultimate satisfaction with our products and service is the key to the company's success. As one of the few remaining UK based manufacturers of industrial pumps, we shall continue to persevere with traditional engineering skills and provide an on-going outlet for quality British products.

Energy 460mm Hydraulic Ram Pump with Camel Ball Valves ready for shipping to Singapore.



Energy Pumps design and manufacture an extensive range of Ram and Diaphragm pumps primarily for the Waste Water Treatment industries and developed through more than 40 years of experience within the industry. We have gained, over the years, an enviable reputation for building equipment that is reliable, energy efficient, low maintenance and proving durable over many years. We foster innovation and

new ideas to improve the value and performance of our products while being mindful of the impact on environment and society.

Energy Mastiff Diaphragm Pumps Duty/Standby.



Energy Pumps attention to detail has always been central to the manufacture and supply of our equipment. We machine all the various castings and parts that make up the pumps in house, and the pumps are then assembled by a small team of dedicated and skilled staff. In addition to this we work closely with our clients to ensure that the position of the pump and layout of the pipework is designed to provide the most efficient pumping conditions to get the best performance from the pump.

Energy 270mm Mechanical Ram Pumps with Mallard Bullfrog Valves.



Energy Pumps has developed a reputation over the years for supplying some of the most cost effective, efficient, and reliable pumping equipment throughout the country. Our pumping solutions apply to various industries including water and waste water, pottery, food waste, chemical and other industries. We have established Framework and supply agreements with Scottish, Thames, Wessex, Northumbrian, and Yorkshire Water for the supply of Ram and Diaphragm pumps and are working to secure agreements with other major Utility companies.



Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX Tel: 01636 816600

Email: sales@energypumps.co.uk

Major Diaphragm Pump Specifications

General

Pump Type:	Major
Gearbox Type:	R47
Valve Type:	Mallard Bullfrog
Inlet Size:	80/100mm
Outlet Size:	80/100mm
Total Pump Weight:	96-112kg
Gearmotor Weight:	19-35 kg
Noise:	65 dB

Construction

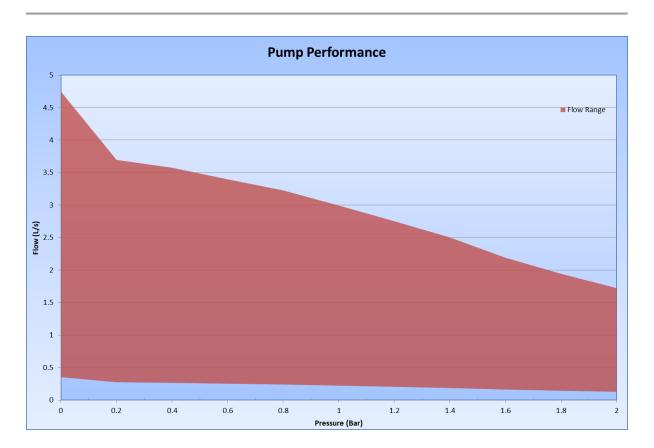
Feet:	Galvanised Steel
Pump:	Aluminium
Diaphragm:	Neoprene
Valves:	Neoprene

Performance

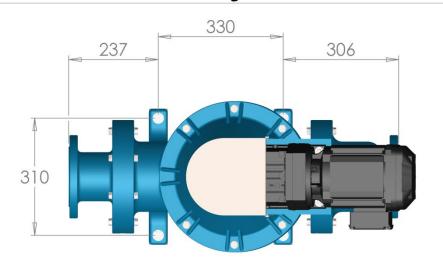
Speed:	. 12-90 RPM
Maximum Flow Rate:	0.6-4.7l/s
Maximum Pressure:	2 Bar

Motor Specifications

Power:	0.25-1.5 kW
Frequency:	50 Hz
Cyclic Duration factor:	S1
Voltage:	230/400v Delta/Star
Current:	1.18/0.68-5.9/3.4A
Thermal Class:	155/F
Efficiency Class:	IE3
Thermistors fitted:	Optional
Heater fitted:	Optional

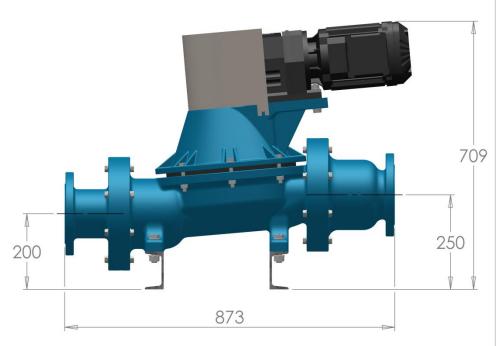


Major Mallard GA



All dimensions are approximate and are for guidance only. Please contact Energy if you need specific dimensions. Approximate weight: 106.24Kg









Energy Chemical & Equipment Company. Energy Manor, Crew Lane, Southwell, Nottinghamshire. NG25 0TX. Tel: 01636 816600 Email:sales@energypumps.co.uk



Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX Tel: 01636 816600

Email: sales@energypumps.co.uk

Mastiff HD Diaphragm Pump Specifications

General

Pump Type:	Mastiff HD
Gearbox Type:	R77
Valve Type:	Mallard Bullfrog
Inlet Size:	80-100mm
Outlet Size:	80-100mm
Total Pump Weight:	198-225 kg
Gearmotor Weight:	46-73 kg
Noise:	65 dB

Construction

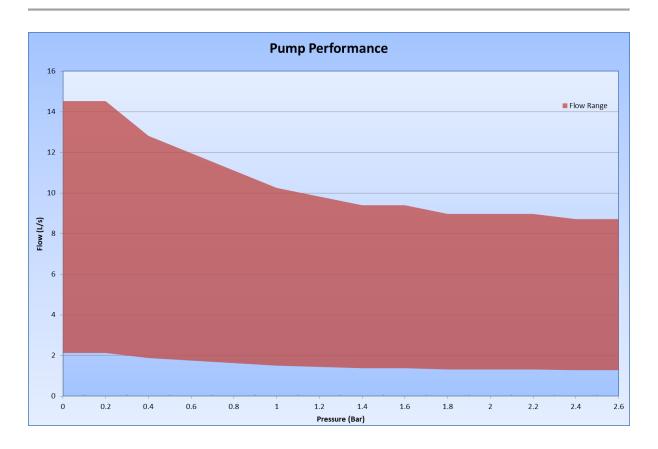
Feet:	Galvanised Steel
Pump:	Aluminium
Diaphragm:	Neoprene
Valves:	Neoprene

Performance

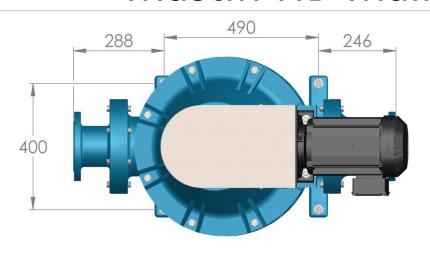
Speed:	12-82 RPM
Maximum Flow Rate:	2.1-14.5 l/s
Maximum Pressure:	2.5 Bar

Motor Specifications

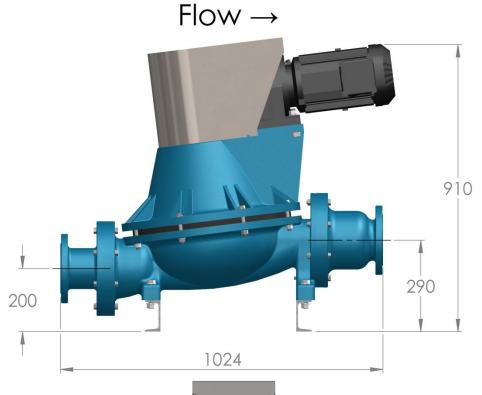
Power:	0.75-4 kW
Frequency:	50 Hz
Cyclic Duration factor:	S1
Voltage:230/400V<4kW	400/690VDelta/Star
Current:	3.05/1.75-7.9/4.6A
Thermal Class:	155/F
Efficiency Class:	IE3
Thermistors fitted:	Optional
Heater fitted:	Optional



Mastiff HD Mallard GA



All dimensions are approximate and are for guidance only. Please contact Energy if you need specific dimensions. Approximate weight: 209.72Kg







Energy Chemical & Equipment Company. Energy Manor, Crew Lane, Southwell, Nottinghamshire. NG25 0TX. Tel: 01636 816600 Email:sales@energypumps.co.uk



Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX Tel: 01636 816600

Email: sales@energypumps.co.uk

Mallard Ram Pump Specifications

General

Pump Type:	270mm Mallard Ram
Gearbox Type:	R87
Valve Type:	Mallard Bullfrog
Inlet Size:	80/100mm
Outlet Size:	80/100mm
Total Pump Weight:	500 kg
Gearmotor Weight:	79-110kg
Noise:	68 dB

Construction

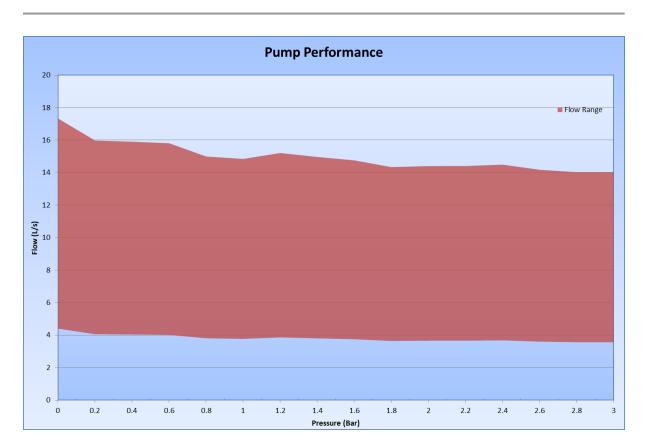
Frame:	Galvanised Steel
Pump:	Aluminium
Ram:	. Hard Chrome Plated Steel
Valves:	Neoprene

Performance

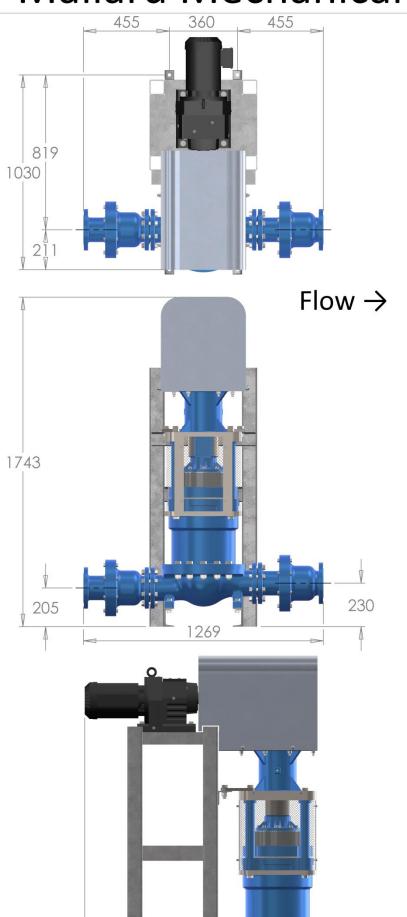
Speed:	16-40 RPM
Maximum Flow Rate:	2.3-7.6 l/s
Maximum Pressure:	3Bar

Motor Specifications

Power:	2.2-5.5kW
Frequency:	50 Hz
Cyclic Duration factor:	S1
Voltage:.230/400V<4kW	600/690V Delta/Star
Current:	8.3/4.75A-10.5/6.1A
Thermal Class:	155/F
Efficiency Class:	IE3
Thermistors fitted:	Optional
Heater fitted:	Optional



Mallard Mechanical Ram GA



1020

236

All dimensions are approximate and are for guidance only. Please contact Energy if you need specific dimensions. Approximate weight: 595.17Kg



Energy Chemical & Equipment Company. Energy Manor, Crew Lane, Southwell, Nottinghamshire. NG25 OTX. Tel: 01636 816600 Email:sales@energypumps.co.uk



Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX Telephone: 01636 816600

Email: sales@energypumps.co.uk

Mallet Ram Pump Specifications

General

Pump Type:	240-480mm Mallet Ram
Power Unit:	Hydraulic Power Pack
Valve Type:	Camel Ball
Inlet Size:	100/150mm
Outlet Size:	100/150mm
Total Pump Weight:	500-1600 kg
Noise:	78 dB

Construction

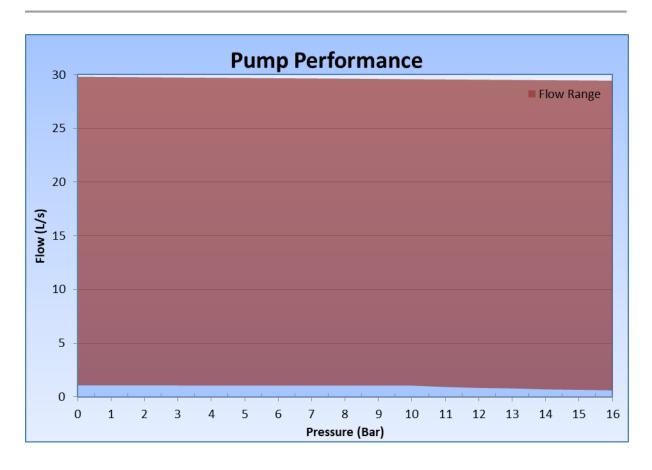
Pump:	SG Iron
Ram:	Hard Chrome Plated Steel/
	Metallised Ceramic
Valves:	SG Iron
	Polypropylene, Resin/Fibre Composite

Performance

Speed:	6-30 SPM
Maximum Flow Rate:	1.1-30 l/s
Maximum Pressure:	16 Bar

Power Pack Specifications

Power:	3-132 kW
Frequency:	50 Hz
Motor Cyclic Duration factor:	S1
Voltage:230/400v 400/	690v Delta/Star
Current:10.8/	6.2A-230/133A
Motor Thermal Class:	155/F
Motor Efficiency Class:	IE3
Off-line Cooler:	0.55-3 kW
Proportional Valves:	Yes



Mallet Hydraulic Ram GA

Pump Type\Dimension	Α	В	С	D	Е	F	G*	Н		
240/270 Dn100	380	360	536	1433	205	230	1760	420	450	
240/270 Dn150	380	360	695	1750	205	230	1760	420	450	
360/380 Dn150	500	380	688	1756	180	230	2000	380	590	
460/480 Dn150	600	500	685	1870	200	250	2100	500	720	

В

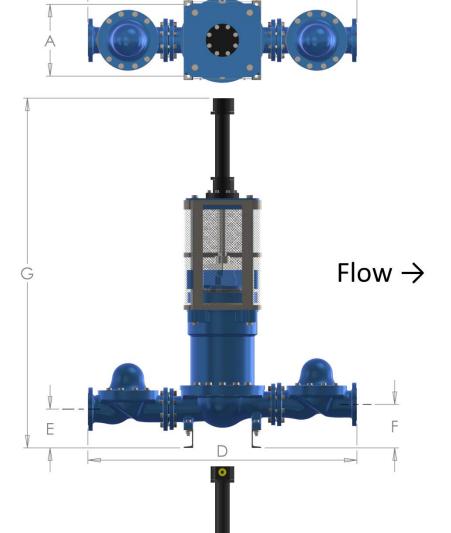
All dimensions are approximate and are for guidance only.

* Varies with stroke

length

Please contact Energy if you need specific dimensions.

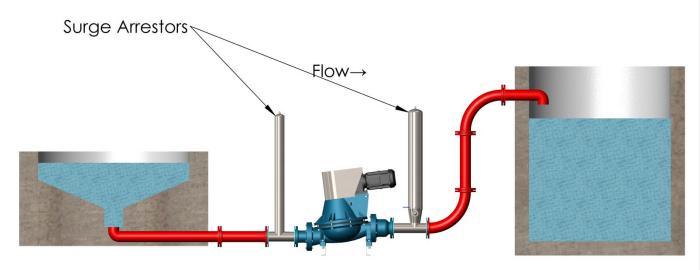
Approximate weight: 240/270 Dn100: 500kg 240/270 Dn150: 600kg 360/380 Dn150: 1200kg 460/480 Dn150: 1600kg



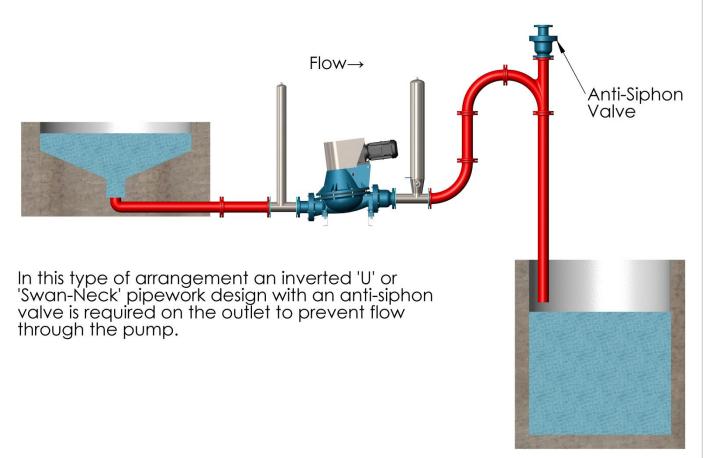


Energy Chemical & Equipment Company.
Energy Manor, Crew Lane, Southwell,
Nottinghamshire. NG25 0TX.
Tel: 01636 816600
Email:sales@energypumps.co.uk

Pipework Arrangement Guide



Flooded Suction - Positive Head

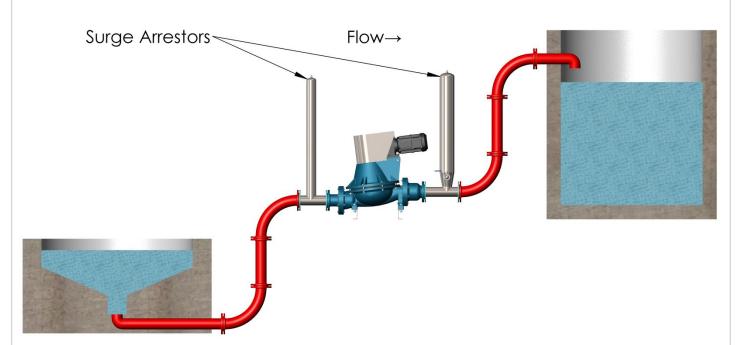


Flooded Suction - Negative Head

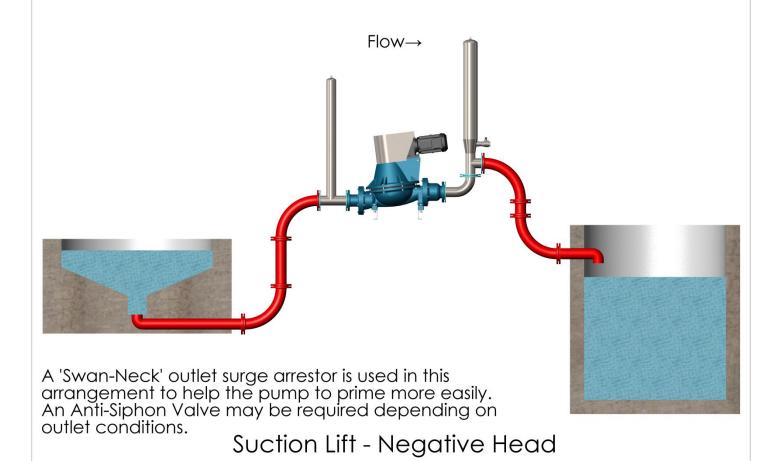


Finergy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX. Tel: 01636 816600 Email: sales@energypumps.co.uk

Pipework Arrangement Guide



Suction Lift - Positive Head





Energy Chemical & Equipment Company Energy Manor, Crew Lane, Southwell. NG25 0TX. Tel: 01636 816600

Email: sales@energypumps.co.uk





Brett Clarke

Partner

Tel: 01636 816600

Ian Walker

Technical Manager

Tel: 01636 816600

Ben Wilson

Sales Development Manager

Email: ben@energypumps.co.uk

Tel: 07907362160

Alexander Lewis

Engineer and Sales Manager

Email: alex@energypumps.co.uk

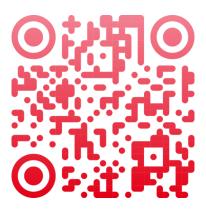
Tel: 07837307396

Energy Chemical & Equipment Company

Energy Manor, Crew Lane, Southwell, Nottinghamshire NG25 0TX

Telephone: **01636 816600**

https://www.energypumps.co.uk



Email: sales@energypumps.co.uk



SUSTAINABILITY

We are committed to integrate sustainability into our supply chain management and grow responsibly in a way that helps care for our people and our planet.

PRODUCT

We aim to work with suppliers who adhere to responsible environmental practices and promote sustainable sourcing of raw materials. We embrace product design that promotes durability, reparability, and longevity.

ENVIRONMENT

We implement strategies to reduce energy consumption, minimise waste generation and promote sustainable sourcing. We adopt recycling programs, reduce packaging waste, and encourage the reuse of materials.

COMMUNITY

We make meaningful contributions to charity and communities close to us.

GET IN TOUCH

We firmly believe that we offer some of the most cost effective and reliable equipment available. We are always delighted to discuss any pumping application or other requirements which you may have.

