



# Ambic Pumps product guide

Issue 1.0

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Innovating in dosing & pump solutions





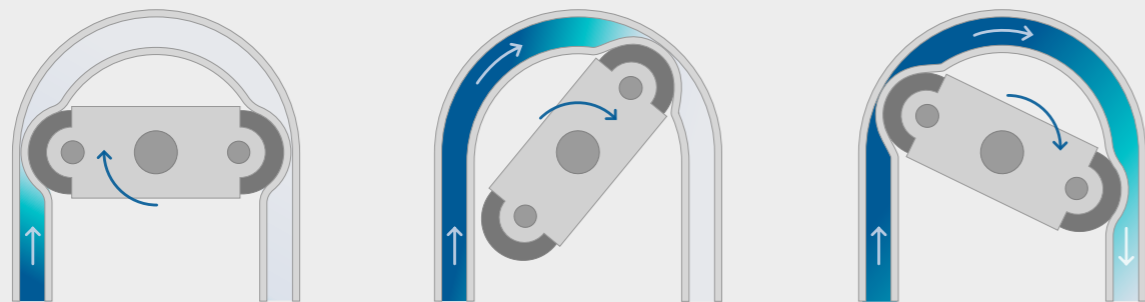
## Welcome to Ambic

**Ambic, established in 1977 has grown both organically as well as through strategic acquisitions. In 2013 Ambic Equipment Ltd. acquired R. F. Electronics, a specialist in the design and manufacture of Peristaltic Pumps and ancillary products.**

RFE, originally founded in 1970, established a name for innovation and quality product through sound design and thorough processes. The heritage of both companies has been founded on this common ethos and thrives in all our operations today.

Based at our facilities in Witney, Oxfordshire, we research, design, test, manufacture and assemble a full range of Peristaltic Pumps, Dosing and Dilution Systems. All with a small but dedicated team who take pride in delivering products and service that exceed our customers exacting needs.

With Ambic's history and track record in innovation and development over the years the Peristaltic Pump business will be taken to greater height with our dedicated R & D team, state of the art CAD, rapid prototyping and engineering facilities.



## Where will you find our pumps?

Peristaltic pumps can be found in a variety of locations, systems and are used dynamically across a vast range of applications.



Medical



Chemistry



Factory



Construction



Cleaning



Laundry



Janitorial



Swimming Pool



Hospital



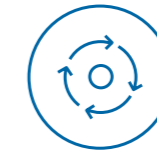
Printing



Theatre



Ideas



Processing



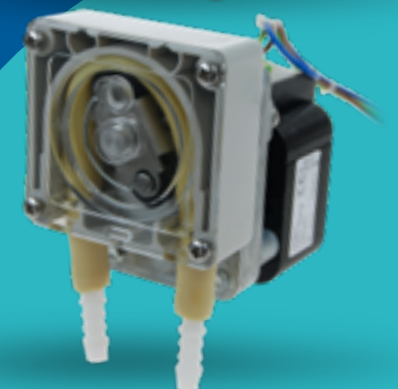
Catering



Refinery

## Benefits of using a Peristaltic Pump:

- No mechanical contact with liquid
- Liquid is safely contained within the bore of the tube
- Tube can be selected to be compatible with the liquid
- Spring assisted roller to prolong tube life
- Speed control
- Calibrated dispensing
- Simple and low maintenance
- Timer control
- Machine or external signal operation
- Compatible with Ambic extensive Float Switch range
- Capable of handling aggressive / corrosive chemical
- Proven reliable technology
- Can be customised



# Quick Reference Table

The table below is aimed to help you quickly identify products that match your needs. If you have any specific requirements or cannot find what you require, please contact sales on +44 (0)1993 776555 or email [sales@ambic.co.uk](mailto:sales@ambic.co.uk) and we will be pleased to discuss your particular application.

Most pumps can be supplied with either Santoprene, Viton or Silicone peristaltic tube.

The Pump range has been divided into voltage and delivery in millilitres output.

Peristaltic Pumps are generally used for intermittent delivery with a pause between duty and non-duty.

All the figures quoted are based on water at room temperature (c. 20°C) on a 50% duty i.e. 1 minute on 1 minute off.

Volume – ml / minute	Pump Type	9V DC	12V DC	24 DC	110V AC	230V AC
30 - 790		Page 6	Page 6	Page 6	-	-
20 - 790		Page 8	Page 8	Page 8	-	-
100 - 350		-	-	-	-	Page 9
440 - 1400		-	Page 12	Page 12	-	Page 12

Volume – ml / minute	Pump Type	9V DC	12V DC	24 DC	110V AC	230V AC
100 - 350		-	-	Page 9	-	-
500 - 7100		-	Page 14	Page 14	-	Page 15
3000 - 6000		-	Available on request	Page 17	Available on request	Page 17

## Peristaltic Pump Construction

Ambic pumps have essentially four elements:



Motor & Gear Box



Pump Head



Peristaltic Pump Tube



Spinner Assembly

Ambic have a range of different motors, 9, 12 & 24V DC and 230V AC that drive a gear box to attain the correct output speed or torque.

# Low-Volume Peristaltic Pumps

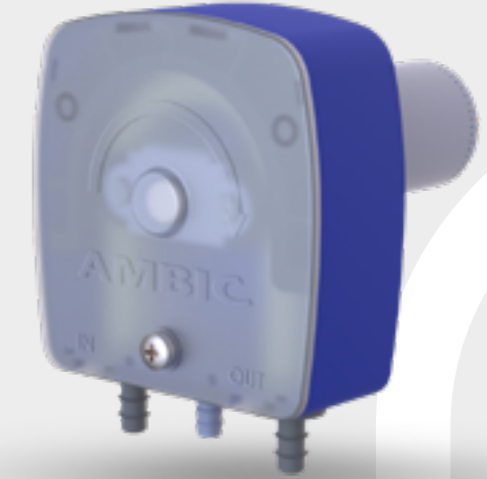
## Low-Volume Peristaltic Pump with Plastic Gears

Ambic Peristaltic Pumps and Pump Assemblies have been produced and supplied into a range of different industries and applications for many years; they have earned a reputation for reliability and robustness. Examples include OEM manufacturers, as well as dishwashing and laundry specialists. The product range includes pumps with a delivery of 100ml to 790ml per minute. They can be supplied in a range of voltages and with a wide variety of peristaltic tubes that will cater for most chemical solutions.



# Low and Medium-Volume Peristaltic Pump

Ambic have recently launched a new Low and Medium-Volume Peristaltic Pump which has been fully designed, tooled and produced in-house. The new design of housing can be fitted with wide variety of motors to give a range of flexibility and choice.



## Low-Volume Peristaltic Pumps

The Low-Volume Peristaltic Pump range includes 9V, 12V, 24V DC and 230V AC pump models which are available with peristaltic tubes produced in a range of polymers, including Santoprene, Viton and Silicone; these suit a wide variety of chemicals and liquids across several applications. The tubes are available in several different bore sizes (3.2mm, 4.6mm, 6.3mm) to cater for a range of delivery rates. Low-Volume Peristaltic Pumps are available either with or without mounting plate.

Ambic Peristaltic Pumps are designed with unique spring-loaded roller assemblies to reduce tube wear, prolong tube life, and improve both delivery performance and consistency; this promotes accurate and reproducible dosing.

A key safety feature of Peristaltic Pumps is the fact that the pumped product only contacts the pump tube. They also have excellent suction performance enabling them to prime from dry.

### Ordering information: Low Volume Standard Gear DC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
							3.2 Bore		4.6 Bore		6.3 Bore	
			9V	12V	24V		Code	ml/min	Code	ml/min	Code	ml/min
LV/S-9-SA LV/S-9-SI	Fixed	160	1.2	-	-		01	200	03	460	05	790
LV/S-12-SA LV/S-12-SI	Fixed	100	-	0.6	-		01	170	03	310	05	510
LV/S-24-SA LV/S-24-SI	Fixed	80	-	-	0.18		01	100	03	200	05	310
LV/S-9-SA LV/S-9-SI	Variable	160	0.38	-	-		02	50-190	04	110-450	06	175-780
LV/S-12-SA LV/S-12-SI	Variable	100	-	0.16	-		02	35-150	04	80-295	06	125-480
LV/S-24-SA LV/S-24-SI	Variable	80	-	-	0.05		02	30-90	04	55-180	06	90-290

SA = Santoprene  
SI = Silicone

All units are fitted with a vertical mounting plate and a grey pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

## Low and Medium-Volume Peristaltic Pump

The Low and Medium-Volume Peristaltic Pump range includes 9V, 12V, 24V DC and 230V AC pump models which are available with peristaltic tubes produced in a range of polymers, including Santoprene and Silicone; these suit a wide variety of chemicals and liquids across several applications. The tubes are available in several different bore sizes (3.2mm, 4.6mm, 6.3mm) to cater for a range of delivery rates. Low-Volume Peristaltic Pumps are available either with or without mounting plate.

Ambic Peristaltic Pumps are designed with unique spring-loaded roller assemblies to reduce tube wear, prolong tube life, and improve both delivery performance and consistency; this promotes accurate and reproducible dosing.

A key safety feature of Peristaltic Pumps is the fact that the pumped product only contacts the pump tube. They also have excellent suction performance enabling them to prime from dry.

### Ordering information: Low and Medium Volume Standard Gear DC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
							3.2 Bore		4.6 Bore		6.3 Bore	
			9V	12V	24V		Code	ml/min	Code	ml/min	Code	ml/min
LM/S-9-SA LM/S-9-SI	Fixed	160	1.2	-	-		01	200	03	460	05	790
LM/S-12-SA LM/S-12-SI	Fixed	100	-	0.6	-		01	170	03	310	05	510
LV/S-24-SA LV/S-24-SI	Fixed	80	-	-	0.18		01	100	03	200	05	310
LM/S-9-SA LM/S-9-SI	Variable	160	0.38	-	-		02	50-190	04	110-450	06	175-780
LM/S-12-SA LM/S-12-SI	Variable	100	-	0.16	-		02	35-150	04	80-295	06	125-480
LM/S-24-SA LM/S-24-SI	Variable	80	-	-	0.05		02	30-90	04	55-180	06	90-290

SA = Santoprene  
SI = Silicone

All units are fitted with a vertical mounting plate and pump housing. The options of a different mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

# Low-Volume Peristaltic Pumps

## Low-Volume Peristaltic Pump with Metal Gears

Ambic Low-Volume Peristaltic Pumps with Metal Gear motors. Although physically bulkier and heavier in weight than the standard gear motors, metal gear motors are more durable and, therefore, more suited to heavy duty applications. The Ambic motor and gear assemblies are available in five different speed variants as shown in the chart below.



The Low-Volume Peristaltic Pumps with Metal Gears are available in 12V and 24V versions with a choice of Silicone or Santoprene tubing. Low-Volume Peristaltic Pumps are available with or without mounting plate.

A speed control board is available as an optional item; it fits to the back of the motor and allows the output delivery of the pump to be varied.

### Ordering information: Low Volume Metal Gear DC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
							3.2 Bore		4.6 Bore		6.3 Bore	
			12V	24V	230V		Code	ml/min	Code	ml/min	Code	ml/min
LV/M-12-SA LV/M-12-SI LV/M-24-SA LV/M-24-SI	Fixed	62	0.4	0.2	-		01	80	11	150	21	240
		94	0.7	0.4	-		03	110	13	225	23	340
		125	0.8	0.5	-		05	160	15	320	25	500
		156	1.2	0.5	-		07	180	17	340	27	610
		188	1.4	1.4	-		09	240	19	470	29	750
	Variable	62	0.3	0.2	-		02	20-70	12	40-130	22	60-200
		94	0.3	0.2	-		04	25-110	14	60-230	24	90-320
		125	0.4	0.3	-		06	50-150	16	90-290	26	130-470
		156	0.6	0.4	-		08	60-190	18	110-340	28	170-560
		188	0.8	0.4	-		10	70-240	20	140-480	30	210-790

SA = Santoprene  
SI = Silicone

All units are fitted with a vertical mounting plate and a grey pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

# Low-Volume Peristaltic Pumps

## Low-Volume Pump with Planetary Gears

Ambic Low-Volume Peristaltic Pumps with Brushless Planetary Gear Motors offer greater efficiency and higher accuracy alongside compact size and weight compared to metal or plastic gears. Planetary Geared motors have the benefit of higher load capacity, reduced weight, low noise.



### Ordering information: Low Volume Planetary Gear DC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
							3.2 Bore		4.6 Bore		6.3 Bore	
			12V	24V	230V		Code	ml/min	Code	ml/min	Code	ml/min
LV/P-24-SA LV/P-24-SI	Fixed	300	-	0.8	-		01	250	03	590	05	890

SA = Santoprene  
SI = Silicone



### Ordering information: Low Volume AC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
									6.3 Bore			
			12V	24V	230V		Code	ml/min	Code	ml/min	Code	ml/min
LV/AC-230-SA	Fixed	100	-	-	0.8		01	100	03	225	05	350

All units are fitted with a vertical mounting plate and a grey pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

## Ordering information: Low Volume Peristaltic Pump Spares

Part Number	Description	Image
ALP/100-9 ALP/100-12-LI ALP/100-24	9V DC Motor and Gear Assembly 12V DC Motor and Gear Assembly 24V DC Motor and Gear Assembly	
ALP/100-12-62 ALP/100-12-94 ALP/100-12-125 ALP/100-12-156 ALP/100-12-188	12V DC Motor and Gear Assembly - 62 RPM 12V DC Motor and Gear Assembly - 94 RPM 12V DC Motor and Gear Assembly - 125 RPM 12V DC Motor and Gear Assembly - 156 RPM 12V DC Motor and Gear Assembly - 188 RPM	
ALP/100-24-62 ALP/100-24-94 ALP/100-24-125 ALP/100-24-156 ALP/100-24-188	24V DC Motor and Gear Assembly - 62 RPM 24V DC Motor and Gear Assembly - 94 RPM 24V DC Motor and Gear Assembly - 125 RPM 24V DC Motor and Gear Assembly - 156 RPM 24V DC Motor and Gear Assembly - 188 RPM	
APG/24	Planetary Gear Motor Assembly	
ALP/100-230-100	230V AC Motor and Gear Assembly - 100 RPM	
ALP/102-VI	Spinner Assembly for 6.00mm Viton Tube (Used with ALP/101-VI606)	
ALP/101-VI606	6.0mm Viton Tube with Spigots (Used with ALP/102-VI) (Sachet of Silicone Grease for Installation included)	
ALP/101-SA625-PP	6.2mm Santoprene Tube with Spigots (Sachet of Silicone Grease for Installation included)	

## Ordering information: Low Volume Peristaltic Pump Spares

Part Number	Description	Image
ALP/101-SA625-PP-2	6.2mm Santoprene Tube with Spigots (Pack of two) (Sachet of Silicone Grease for Installation included)	
ALP/101-SI635	6.3mm Silicone Tube with Spigots (Sachet of Silicone Grease for Installation included)	
ALP/101-SA465	4.6mm Santoprene Tube with Spigots (Sachet of Silicone Grease for Installation included)	
ALP/101-SA325	3.2mm Santoprene Tube with Spigots (Sachet of Silicone Grease for Installation included)	
ALP/102	Spinner Assembly with Spigots for 6.2mm Santoprene and 6.3mm Silicone Tubes	
ALP/103	ABS Pump Block and Cover with Screws	
ALP/115	Silicone Grease (Can be used for any Peristaltic Pump Tube)	

# Medium-Volume Peristaltic Pumps

Ambic Low and Medium-Volume Peristaltic Pump range includes 12V, 24V DC and 230V AC pump models which are available with 8.00mm bore peristaltic tubes produced in a range of polymers, including Santoprene and Silicone; these suit a wide variety of chemicals and liquids across several applications. Low and Medium-Volume Peristaltic Pumps are available either with or without mounting plate.



This pump will deliver between 600ml to 2000ml of product depending on the motor speed. This will enable Ambic Equipment Ltd to fill the gap in the range between High and Low-Volume Peristaltic Pumps; a wider range of delivery options are now available, but without the requirement for the large pump size.

Ambic Peristaltic Pumps are designed with unique spring-loaded roller assemblies to reduce tube wear, prolong tube life, and improve both delivery performance and consistency; this promotes accurate and reproducible dosing.

A key safety feature of Peristaltic Pumps is the fact that the pumped product only contacts the pump tube. They also have excellent suction performance enabling them to prime from dry.

## Ordering information: Medium Volume Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
			12V	24V	230V		3.2 Bore		4.6 Bore		8.0 Bore	
							Code	ml/min	Code	ml/min	Code	ml/min
MV/M-12-SA MV/M-24-SA	Fixed	62	0.4	0.4	-					01	440	
		94	1.0	0.6	-					02	600	
		125	1.3	0.8	-					03	850	
		156	2.0	1.0	-					04	1100	
		188	2.0	1.8	-					05	1400	
MV/M-230-SA	Fixed	100	-	-	0.8				01	490		

SA = Santoprene  
SI = Silicone

All units are fitted with a vertical mounting plate and pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

## Ordering information: Medium Volume Peristaltic Pump Spares

Part Number	Description	Image
MV/M-100-24	Medium Volume DC Motor Assembly	
MV/M-100-230	Medium Volume AC Motor Assembly	
AMP/103	ABS Pump Block and Cover with Screws	
AMP/102	Spinner Assembly for 8.0mm Santoprene Tube	
AMP/101-SA805	8.0mm Santoprene Tube with Spigots (Sachet of Silicone Grease for Installation included)	

## Our Purpose

To design, innovate, develop, manufacture and distribute high quality, British made products efficiently worldwide for our customers.

# High-Volume Peristaltic Pumps

Ambic has a comprehensive range of High-Volume Peristaltic Pump products which have an output performance of between 1,500ml to 7,100ml per minute depending on motor speed and tube bore size. They are widely used by OEM manufacturers, as well as dishwashing and laundry specialists, where they have earned a reputation for reliability and robustness.



The High-Volume Peristaltic Pump range includes 12/24V DC and 230V AC pump models which are available with peristaltic tubes produced in a range of polymers, including Santoprene, Viton and Silicone; these suit a wide variety of chemicals and liquids across several applications. The tubes are available in two different bore sizes (9.6mm or 12.7mm) with an option of 1/2" or 5/8" Spigots, to cater for a range of delivery rates.

Ambic Peristaltic Pumps are designed with unique spring-loaded roller assemblies to reduce tube wear, prolong tube life, and improve both delivery performance and consistency; this promotes accurate and reproducible dosing.

A key safety feature of Peristaltic Pumps is the fact that the pumped product only contacts the pump tube.

## Ordering information: High Volume Peristaltic Pump

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	9.6 Bore		12.7 Bore	
			12V	24V	230V		Code	ml/min	Code	ml/min
			HV/M-12-SA HV/M-12-SI HV/M-24-SA HV/M-24-SI	Fixed	62		1	0.5	-	1
94	1.2	0.7	-		3	2300	13	4300		
125	2	1	-		5	3400	15	5400		
156	2.4	1.1	-		7	3700	17	6200		
188	3.6	1.7	-		9	4800	19	7100		
62	1	0.5	-		2	1500	12	2400		
94	1.2	0.7	-		4	2300	14	4300		
125	2	1	-		6	3400	16	5400		
156	2.4	1.1	-		8	3700	18	6200		
188	3.6	1.7	-		10	4800	20	7100		

All units are fitted with a vertical mounting plate and a grey pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

## Ordering information: High Volume Peristaltic Pump

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	9.6 Bore		12.7 Bore	
			12V	24V	230V		Code	ml/min	Code	ml/min
			HV/M-12-SA HV/M-12-SI HV/M-24-SA HV/M-24-SI	Variable	62		0.3	0.2	-	21
94	0.4	0.3	-		23	700-2200	33	1000-3400		
125	0.8	0.4	-		25	900-3300	35	1400-4800		
156	0.9	0.5	-		27	1100-3500	37	1600-5300		
188	1.5	0.7	-		29	1300-4400	39	1800-6400		
62	0.3	0.2	-		22	500-1500	32	500-2200		
94	0.4	0.3	-		24	700-2200	34	1000-3400		
125	0.8	0.4	-		26	900-3300	36	1400-4800		
156	0.9	0.5	-		28	1100-3500	38	1600-5300		
188	1.5	0.7	-		30	1300-4400	40	1800-6400		

SA = Santoprene  
SI = Silicone

## Ordering information: High Volume 230V AC Pumps

The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	9.6 Bore		12.7 Bore	
			12V	24V	230V		Code	ml/min	Code	ml/min
			HV/M-230-SA HV/M-230-SI	Fixed	80		-	-	2.5	1/2"
80	-	-	2.5		5/8"	02	1600	04	2500	

SA = Santoprene  
SI = Silicone

All units are fitted with a vertical mounting plate and pump housing. The options of a horizontal mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.










# Coming Soon...

## New High-Volume Pump





Ordering information: High Volume and Extra High Volume Spares

Part Number	Description	Image
AHP/100-12-62 AHP/100-12-94 AHP/100-12-125 AHP/100-12-156 AHP/100-12-188	High Volume Peristaltic Pump Motor	
AHP/100-24-62 AHP/100-24-94 AHP/100-24-125 AHP/100-24-156 AHP/100-24-188	High Volume Peristaltic Pump Motor	
AHP/100-230	High Volume Pump Motor Assembly	
AHP/100-SA-09	High Volume Pump 9.6mm Bore Tube with Spigots (Sachet of Silicone Grease for Installation included)	
AHP/100-SA-12	High Volume Pump 12.7mm Bore Tube with Spigots (Sachet of Silicone Grease for Installation included)	
AHP/102	High Volume Peristaltic Pump Spinner Assembly with Spring Loaded Rollers	
AHP/102-FP	High Volume Peristaltic Pump Spinner Assembly with Fixed Pin	
AHP/103	High Volume Peristaltic Pump Block Cover with Screws	
ALP/115	Silicone Grease (Can be used for any Peristaltic Pump Tubes)	

# Extra High-Volume Peristaltic Pumps

**Ambic Extra High-Volume Peristaltic Pump range offers an output performance of up to 6 Litres per minute – depending on motor speed and tube bore size; these pumps are also suited to pumping liquids over a very long distance. They are widely used by OEM manufacturers, where they have earned a reputation for reliability and robustness.**



The Extra High-Volume Peristaltic Pump range includes 24V DC and 230V AC motor versions that are available with peristaltic pump tubes produced in a range of polymers, including Santoprene and Silicone; these suit a wide variety of chemicals and liquids across several applications. The tubes are available in two different bore sizes (9.6mm or 12.7mm) with an option of 1/2" or 5/8" Spigots, to cater for a range of delivery rates.

Ambic Peristaltic Pumps are designed with unique roller assemblies to reduce tube wear, prolong tube life, and improve both delivery performance and consistency; this promotes accurate and reproducible dosing.

A key safety feature of Peristaltic Pumps is the fact that the pumped product only contacts the pump tube.

Ordering information: High Volume and Extra High Volume Spares



The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	Tube Size					
			12V	24V	230V		9.6 Bore		12.7 Bore			
							Code	ml/min	Code	ml/min	Code	ml/min
EHV/M-24-SA EHV/M-230-SA	Fixed	166	-	3.8	-	1/2"			01	3000	03	6000
			-	-	1.0	5/8"			01	3000	03	6000
-			3.8	-	1/2"			02	3000	04	6000	
-			-	1.0	5/8"			02	3000	04	6000	

SA = Santoprene  
SI = Silicone

All units are fitted with a mounting plate and pump housing. The options of a different mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

### Ordering information: High Volume and Extra High Volume Spares

Part Number	Description	Image
EHV/M-100-24	Extra High Volume 24V DC Motor Assembly	
EHV/M-100-230	Extra High Volume 230V AC Motor Assembly	

## High-Volume Dispensing Pumps

Ambic High-Volume Dispensing systems are available in Single, Twin, or Triple pump assemblies. High-volume Peristaltic Pumps, or a combination of High and Low-Volume Peristaltic Pumps in 12 or 24V DC, or 230V AC.



## Low and High-Volume Dispensing Pumps

Ambic Low and High-Volume Dispensing systems are available in Single, Twin, or Triple pump assemblies fitted with either 9, 12, 24V DC and 230V AC pumps, which can be ordered with various peristaltic tubes produced in a range of polymers including Santoprene, Viton and Silicone; these suit a wide variety of chemicals and liquids across several applications. The tubes are available in several different bore sizes (3.2mm, 4.6mm, 6.3mm for Low-Volume and 9.6mm and 12.7mm for High-Volume Pumps) to cater for a range of delivery rates.



12V and 24V DC motors with metal gears are also available in five different speeds, giving our valued customers a wide range to enable them to choose the most suitable pump.

We can also offer an electronic pump controller to suit your application.

Single Dispensing Pumps (AC Motors) have a safety timer feature.

The Twin and Triple Units (AC Motors) are fitted with an electronic PCB board that controls the pumps via an 11V or 24V DC signal. This prevents two pumps from running simultaneously and avoids the accidental mixing of different chemicals such as alkaline and acid. Pump controls with 11V and 24V DC voltage are widely used to activate the pump(s).

### Ordering information: High Volume 230V AC Pumps








The Numbers below form the basic part number; please add one of the codes from the Blue, Green or Orange Column(s) depending on the ml/min. required.

Model Number	Fixed or Variable output	RPM	Running current at room temp.(A)			Spigot size	9.6 Bore		12.7 Bore			
			12V	24V	230V		Code	ml/min	Code	ml/min		
			HD/M-12-1-	Fixed	188		3.6	1.65	-	1/2"	01	1600
HD/M-12-2-	3.6	1.65	-			5/8"	02	04				
HD/M-12-3-	3.6	1.65	-			1/2"	01	03				
	3.6	1.65	-			5/8"	02	04				
HDE/M-230-1-SA	80	80	-			-	2.5	1/2"	01	03		
HDE/M-230-2-SA			-			-	2.5	5/8"	02	04		
			-	-	2.5	1/2"	01	03				
HDE/M-230-3-SA			-	-	2.5	5/8"	02	04				
			-	-	2.5	1/2"	01	03				
					-	-	2.5	5/8"	02	04		

SA = Santoprene  
SI = Silicone

All units are fitted with a mounting plate and pump housing. The options of a different mounting plate or without a mounting plate are available upon request. Indicative figures based on tests carried out using water at room temperature.

## Ordering information: High Volume and Extra High Volume Spares

Part Number	Description	Image
AHP/100-230	High Volume Pump Assembly	
HD/001	High Volume Pump PCB for Twin and Triple Pump Assemblies	
AHP/100-SA-09	High Volume Pump 9.6mm Bore Tube with Spigots	
AHP/100-SA-12	High Volume Pump 12.7mm Bore Tube with Spigots	
AHP/102	High Volume Pump Spinner Assembly with Spring loaded Rollers	
AHP/102-FP	High Volume Pump Spinner Assembly with Fixed Pin Rollers	
AHP/103	High Volume Pump Block and Cover with Screws	

## Ambic Mix'n'Demand™ System

Mix'n'Demand™ is a Chemical Mixing System and also Chemical Dilution System for diluting concentrated chemical. Mix'n'Demand™ is fitted with two 24V peristaltic pumps to mix two chemicals. This could be combination of two High-Volume pumps, two Low-Volume pumps, or one of each. The Dual Float switch controls the amount of mixed chemical in the mixed chemical container. Mix'n'Demand™ is a basic chemical dosing system, particularly intended for the growing demand to mix small batches of Chlorine Dioxide to avoid wasting expensive chemical once mixed.

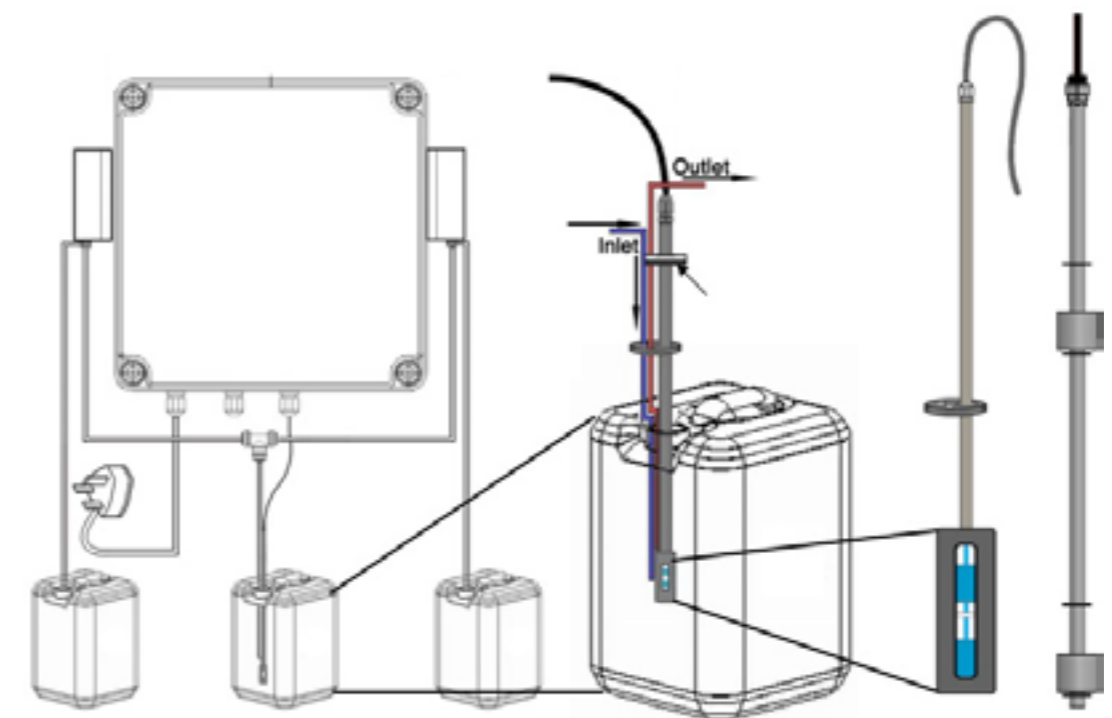


Note: Chlorine Dioxide mixtures must be used within 24 hours. Therefore, the chemical must be mixed daily to avoid wasting expensive chemical.

The Mix'n'Demand™ system uses two pumps each with a Speed Control Potentiometer for adjusting the mix ratio of the chemical.

An optional pump start delay facility is available; it controls the delay (up to 4 minutes 30) between the lower float switch activating and the pumps starting to run to mix/dilute the chemical.


### Example of typical Mix'n'Demand™ instillation:







## Our Mission

To understand and work with our customers as a valued partner, dedicated to providing outstanding support, personal service and products that exceed expectations.

### Ordering information: Mix'n'Demand™

Part Number	Description	Image
MDE/003-2LV	Mix'n'Demand™ Complete Unit	

### Ordering information: Mix'n'Demand™ Spare Parts

Part Number	Description	Image
MDE/001-2LV	Mix'n'Demand™ Power Unit	
ALP/101-SA625-PP-2	Peristaltic Santoprene tube with connections	
ALP/115	Peristaltic pump tube lubricant	
MDE/006	Mix'n'Demand™ Float switch assembly including cap	

## Ambic EasiDoser™

Ambic has a range of automated dosing and dilution systems based on combining its extensive, well-proven range of Low-Volume and High-Volume Peristaltic Pumps with a new microprocessor control system. This system has been developed to control the operation of up to three peristaltic pumps of differing capacities to dispense and dose precise quantities of fluids for cleaning or sanitisation purposes. Typical applications include dispensing detergent, bleach, acid and/or alkaline for sanitisation purposes as well as for mixing and dilution.



The EasiDoser™ has an LCD display and keypad on the front of the unit for ease of set up and for programming pump run time and speed; the LCD display also shows relevant information when the unit is running and can be used to access performance data.





#### Features

- A combination of Low-Volume and High-Volume (62RPM – 188RPM) pumps with a range of tubes sizes (from 1.8mm to 6.3mm bore for Low-volume Peristaltic Pumps & 9.6mm to 12.7mm bore for High-Volume Peristaltic Pumps) and tube polymers (Santoprene, Silicone, Viton) to suit different applications
- A combination of time and speed control functions enabling the amount of product dispensed to be determined both by reference to pump speed and run time for accurate dosing
- Pump Run Time adjustable from 1 to 5.00 minutes
- Pump Speed Control adjustable from 50% to 100%
- Pump Start Delay adjustable from 0 to 30 seconds
- A range of flow rates from a minimum of 75 ml/min to a maximum of 550 ml/min for Low-Volume Peristaltic Pumps and a minimum of 700 ml/min to a maximum of 3500 ml for High-Volume Peristaltic Pumps
- The unit has a 'Pump Inhibit' or 'Lock-out' safety feature which can prevent consecutive dispensing of chemicals where excessive dosing could be a hazard. This is adjustable from 0 to 30 minutes
- Data logging facility to record and display performance data, including cumulative run time and chemical consumption
- Pump calibration is made via the LCD display and keypad
- Password protected keypad for security
- Includes low-level alarm feature to warn when chemical levels are running low – appropriate Float Switch Assemblies can be purchased separately
- Available with different plugs to suit local markets



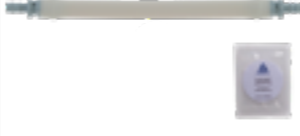


### Our Vision

To be the global preferred supplier of Pumps, Dosing Dilution and Dairy Health Hygiene products.







### Ordering information: EasiDoser™

Part Number	Description	Image
ADE/003-1LV	EasiDoser™ with One Low Volume Pump	
ADE/003-2LV	EasiDoser™ with Two Low Volume Pumps	
ADE/003-2HS	EasiDoser™ with Two High Speed Pumps	
ADE/003-2IND	EasiDoser™ with Two High Volume Pump	


### Ordering information: EasiDoser™ Spares

Part Number	Description	Image
ADE/001-100	EasiDoser™ Replacement PCB for EasiDoser™ Single, Twin or Triple Pump Unit	
ALP/100-12	EasiDoser™ Peristaltic Pump Motor and Gear Box Assembly for: ADE/003-1LV ADE/003-2LV	
ALP/101-SA625-PP	EasiDoser™ Replacement Peristaltic Pump Tube for Low Volume Single Pump Unit (Sachet of Silicone Grease for Installation included)	
ALP/101-SA625-PP-2	EasiDoser™ Replacement Peristaltic Pump Tube for Low Volume Twin Pump Unit (Sachet of Silicone Grease for Installation included)	
ALP/103	EasiDoser™ Peristaltic Pump Block Assembly for: ADE/003-1LV ADE/003-2LV ADE/003-2HS	

### Ordering information: EasiDoser™ Spares

Part Number	Description	Image
ALP/102	EasiDoser™ Peristaltic Pump Spinner Assembly for: ADE/003-1LV ADE/003-2LV ADE/003-2HS	
AHP/100-12-62 AHP/100-12-94 AHP/100-12-125 AHP/100-12-156 AHP/100-12-188  AHP/100-24-62 AHP/100-24-94 AHP/100-24-125 AHP/100-24-156 AHP/100-24-188	EasiDoser™ High Capacity Pump Motor and Gear Box Assembly for: 12V DC Motor and Metal Gear Assembly - 62 12V DC Motor and Metal Gear Assembly - 94 12V DC Motor and Metal Gear Assembly - 125 12V DC Motor and Metal Gear Assembly - 156 12V DC Motor and Metal Gear Assembly - 188  24V DC Motor and Metal Gear Assembly - 62 24V DC Motor and Metal Gear Assembly - 94 24V DC Motor and Metal Gear Assembly - 125 24V DC Motor and Metal Gear Assembly - 156 24V DC Motor and Metal Gear Assembly - 188"	
AHP/100-SA-12  AHP/100-SA-09	High Volume Peristaltic Pump Tube and Spigots 12.7mm Bore Santoprene, 5/8" Spigots 12.7mm Bore Santoprene, 1/2" Spigots  9.6mm Bore Santoprene, 5/8" Spigots 9.6mm Bore Santoprene, 1/2" Spigots  (Sachet of Silicone Grease for Installation Included)	
AHP/103	High Volume Peristaltic Pump Block Cover with Screws	
AHP/102-FP	High Volume Peristaltic Pump Spinner Assembly with Fixed Pin	
ALP/115	Silicone Grease (Required when replacing Peristaltic Pump Tubes)	

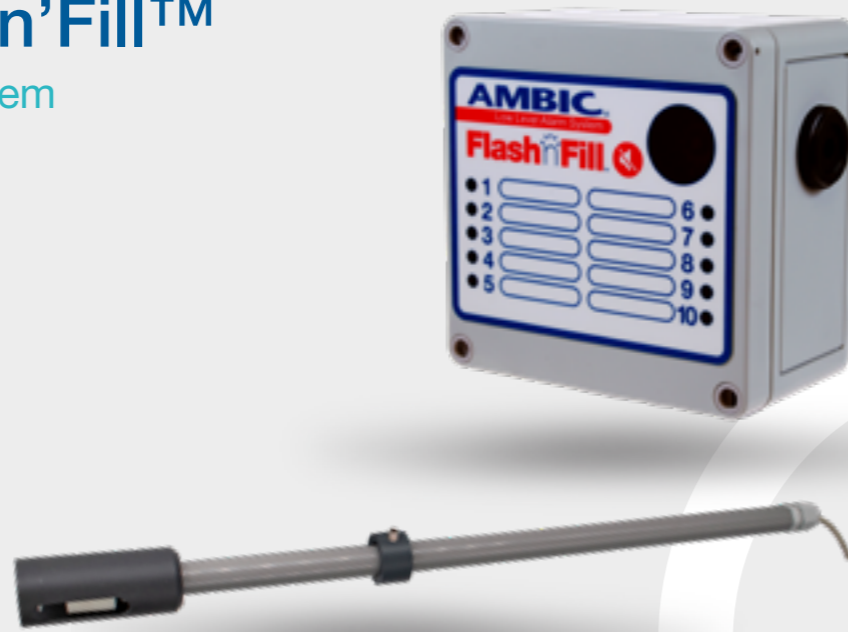
### Ordering information: EasiDoser™ Float Switches


Part Number	Description	Image
AFF/500-35-10	EasiDoser™ Float Switch Assembly for 5 - 10 Litre Container	
AFF/500-50-10	EasiDoser™ Float Switch Assembly for 20 - 25 Litre Container	
AFF/500-75-10	EasiDoser™ Float Switch Assembly for 50 - 60 Litre Container	
AFF/500-110-10	EasiDoser™ Float Switch Assembly for 200 Litre Container or IBC	

# Ambic Flash'n'Fill™

## Low-Level Alarm System

Ambic Flash'n'Fill™ is an independent electronic warning device which operates in conjunction with Float Switch Assemblies to detect low levels of chemical in up to ten chemical containers simultaneously.



In an alarm situation a red beacon will flash to highlight that one of the containers is getting low on product and needs replenishing. At the same time an LED illuminates to indicate which chemical container needs replenishing and an audible warning will also sound intermittently; this can be stopped by pressing the mute button  on the front of the unit. The sounder will activate again if another drum becomes empty. The sound can be stopped once again by pressing the mute button.


### Features:

- Easy to install and operate
- Available as 24V, 110V and 230V AC input voltage
- High volume sounder
- Mute facility to disable the sounder mid-alarm

### Optional Equipment:

- A range of Float Switch Assemblies to suit 5-10L, 20-25L, 50-60L and 200L or 1000L IBC's
- Float switches available for a range of different chemicals and viscosities.

### Ordering information: Flash'n'Fill™ Controller

Part Number	Description	Image
AFF/100-10	Flash'n'Fill™ Controller with 10 Channels	

### Ordering information: Flash'n'Fill™ Float Switch Assemblies and Spare Parts

Part Number	Description	Lance Size	Cable Length
AFF/500-35-10	Flash'n'Fill™ Float Switch Assembly for 5 - 10 Litre Container	35cm	10m
AFF/500-35-10	Flash'n'Fill™ Float Switch Assembly for 20 - 25 Litre Container	50cm	10m
AFF/500-35-10	Flash'n'Fill™ Float Switch Assembly for 50 - 60 Litre Container	75cm	10m
AFF/500-35-10	Flash'n'Fill™ Float Switch Assembly for 200 Litre Container or IBC	110cm	10m
AFF/001	Flash'n'Fill™ PCB	-	-

# Ambic Flash'n'Text™

Ambic Flash'n'Text™ is an electronic low-level alarm system which operates in conjunction with Float Switch Assemblies to detect low levels of chemical in up to six chemical containers at the same time. It automatically generates an SMS message and sends to six pre-programmed mobile numbers.



When the level of one of the chemicals falls below a pre-determined level the Flash'n'Text™ system automatically generates an SMS message and sends it to up to 5 pre-programmed mobile phone numbers. It will identify the container and the type of chemical which is low to initiate replenishment of supplies.

The system can be programmed via a laptop computer or PC to send a customised message specific to each of the six channels. A reminder is also automatically generated at timed intervals until the text message is replied to using the response 'OK'.

At the same time as the SMS message being generated, a red LED will be illuminated on the Flash'n'Text™ unit itself to identify the channel which has generated the text message; the LED will stay illuminated and a red beacon will flash until the chemical supply is replenished.


### Features:

- Easy to install and operate
- 110 – 230V AC input voltage
- Operates on 3G network

### Optional Equipment:

- A range of Float Switch Assemblies to suit 5-10L, 20-25L, 50-60L and 200L or 1000L IBC's
- Float switches available for a range of different chemicals and viscosities.
- External booster aerial available for areas with weak signal.

### Ordering information: Flash'n'Text™ Controller

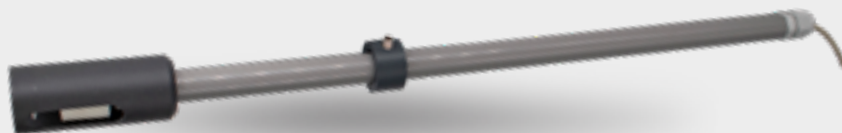
Part Number	Description	Image
AFF/100-6-SMS	Flash'n'Text™ Controller with 6 Channels	

### Ordering information: Flash'n'Text™ Float Switch Assemblies and Spare Parts

Part Number	Description	Lance Size	Cable Length
AFF/500-35-10	Flash'n'Text™ Float Switch Assembly for 5 - 10 Litre Container	35cm	10m
AFF/500-50-10	Flash'n'Text™ Float Switch Assembly for 20 - 25 Litre Container	50cm	10m
AFF/750-75-10	Flash'n'Text™ Float Switch Assembly for 50 - 60 Litre Container	75cm	10m
AFF/500-110-10	Flash'n'Text™ Float Switch Assembly for 200 Litre Container or IBC	110cm	10m
AFF/410	Flash'n'Text™ External Aerial	-	-
AFF/001-SMS	Flash'n'Text™ PCB	-	-

# Ambic Float Switch Assemblies

Ambic Float Switch Assemblies provide an efficient and inexpensive solution to liquid level detection; they offer trouble-free operation over a long life. Ambic's Float Switch Assemblies are fitted with reliable heavy-duty reed switches, moulded in chemical resistant Polypropylene. The shroud and stem are manufactured from chemical resistant PVC; the stem is fitted with a gland to prevent chemical from getting inside.



- Float Switch Assemblies that are operated as "Normally Open", can be easily changed to "Normally Closed" by inverting the float on the Float Switch Assembly.
- A range of Float Switch Assemblies to suit 5-10L, 20-25L, 50-60L and 200L or 1000L IBC's.

## Ordering information: Flash'n'Fill™ Float Switch Assemblies and Spare Parts

Part Number	Description	Lance Size	Cable Length
AFF/500-35-10	Float Switch Assembly for 5 - 10 Litre Container	35cm	10m
AFF/500-50-10	Float Switch Assembly for 20 - 25 Litre Container	50cm	10m
AFF/750-75-10	Float Switch Assembly for 50 - 60 Litre Container	75cm	10m
AFF/500-110-10	Float Switch Assembly for 200 Litre Container or IBC	110cm	10m



### Quality and Compliance

Ambic operations meet the following standards, for which we are regularly audited and are accredited:

- ISO:9001:2015 Quality Management System
- ISO:14001:2015 Environmental Management

Copy certificates can be supplied on request.

Ambic can provide UKCA, CE, EMC and Food Compliance information on request. With custom products we can arrange appropriate compliance testing through our partner service provider. Product

Technical Data Sheets provide material, recycling, Commodity Codes, weight and RoHS details. FAQ's/Images/Safety Data Sheets/ Operating Instructions can be downloaded from [www.ambic.co.uk](http://www.ambic.co.uk)

Ambic's website provides:

- A comprehensive list of frequently asked questions and answers
- Product Image downloads
- Safety Data Sheets (where applicable)
- Operating Instructions (principally English, but please enquire if an alternative language is required at [tech@ambic.co.uk](mailto:tech@ambic.co.uk))



Cert No. 14472  
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ISO14001

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