

The Escort Series Sampling Pumps provide the following features:

Low Maintenance

Escorts are extremely durable and easy to maintain.

User Friendly

Escorts are exceptionally compact, lightweight, quiet, and easy to use.

Protection Against the Elements

A watertight case permits the Escort to be sprayed with water while operating or as part of an end-of-shift clean up.

Superior RFI Protection

Stainless steel impregnated ABS plastic case provides superior RFI/EMI protection.

Flexibility

Gemini Twin Port sampler allows multiple tube and low-flow sampling (down to 0.001 lpm).

Less Calibration Time

The Escort ELF contains a patented internal secondary standard that continuously calibrates the pump. Therefore, the ELF only needs to be calibrated with a primary standard monthly.

Adapts to Environment

The Flow Rate of the Escort ELF is not affected by altitude or sampling media changes.

Worry Free. Hassle Free

Durability backed by MSA's unmatched warranty and service.

Escort ELF® & Escort® LC Sampling Pumps

Assemble-To-Order System and Pricing Guide



Approvals and Standards/Kits/Replacement Parts

Approvals and Standards

Escort ELF Sampling Pumps are UL listed as intrinsically safe for use in hazardous locations - Class I, Groups A, B, C, D; Class II, Groups E, F and G; and Class III, Division 1 locations. NIOSH-certified for coal mine dust sampling (TC-74-030). MSHA-certified as intrinsically safe for underground use (Approval No. 2G-3924-1). U.S. Patent No. 5,295,790.

Escort LC Sampling Pumps are UL listed as intrinsically safe for use in hazardous locations - Class I, Groups A, B, C, D; Class II, Groups E, F and G; and Class III, Division 1 locations.

Contact MSA at 1-800-MSA-2222 for more information or with questions regarding the status of approvals.

Escort ELF Kits	Part No.	List Price
Escort ELF Pump with flow-fault indicator, 110V single unit charger, Gemini Twin Port Sampler, and standard packaging	805559	\$1,195.00
Escort ELF Pump with flow-fault indicator, 110V single unit charger, sampling line, and standard packaging	805560	\$975.00

Escort LC Kit	Part No.	List Price
Escort LC Pump with 120V single unit charger, sampling line, and standard packaging	711400	\$695.00

42 CFR Oil-Mist Sampling Kits

The National Institute for Occupational Safety and Health (NIOSH) respirator certification standard, 42 CFR Part 84, introduces new ways to select non-powered air-purifying particulate filter respirators. One of the primary concerns of the standard is oil-mist exposure. According to this NIOSH Standard, there are 3 levels of respiratory protection:

- N = Not resistant to oil
- R = Resistant to oil
- P = Oil-Proof

But how do we know whether oil mist is present in the workplace?

MSA's 42 CFR Sampling Pump Kits can help you answer this question by providing convenience and flexibility in oil-mist sampling.

Escort ELF 42 CFR Sampling Pump Kit	Part No.	List Price
Escort ELF Pump with 3-piece, 37-mm MCE filter cassette, 0.8 micron pore size, 10 filters per kit; 110V charger; sampling line; and standard packaging	711585	\$1,130.00
Escort LC 42 CFR Sampling Pump Kit	Part No.	List Price
Escort LC Pump with 3-piece, 37-mm MCE filter cassette, 0.8 micron pore size, 10 filters per kit; 110V charger; sampling line; and standard packaging	711586	\$800.00

Battery Chargers	Part No.	List Price
120 VAC 50/60 Hz	494716	\$91.47
220 VAC 50/60 Hz	495965	\$102.23
120/240 VAC 50/60 Hz (five-unit)	801759	\$597.24

Sampling Equipment	Part No.	List Price
Sampling line only	456226	\$26.91
10mm Cyclone Assembly to separate respirable dust from non-respirable dust	456243	\$228.48
Gemini Twin-Port Sampler for sorbent tubes	497697	\$261.00
10mm Cyclone Assembly to separate respirable dust from non-respirable dust, for use with 37 mm non-MSA cassettes	10044015	\$233.58

Protective Jacket	Part No.	List Price
Leather jacket	811741	\$62.42

Replacement Parts	Part No.	List Price
Battery Pack with O-ring	497702	\$276.56
One Replacement Inlet Water Stop® Filter	802897	\$23.67
Escort Pump Overhaul Kit	802922	\$96.85
Inlet Dust Filter (pkg. of 5)	808935	\$3.45

Prices above are suggested U.S. list prices only and may not apply in international markets. Prices subject to change without prior notification.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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Offices and representatives worldwide
 For further information:



Escort® ELF & Escort® LC Sampling Pumps Assemble-to-Order (ATO) Options

- To select your instrument configuration, select instrument options and mark them in the boxes to the right.
- To calculate your instrument price, write in the price for each option in the space provided to the right, add up the total and write it in the "Total Unit Price" box below.

A. Number of Pumps		<p>It's your choice: You can order one pump at a time, or the convenient "5-Pump Kit," which includes a durable PVC carrying case and bonus training video. NOTE: When you order the 5-Pump Kit through this ATO Ordering Selection Matrix, any accessories (such as single-unit chargers, Gemini Twin-Port Samplers, cyclones or instrument jackets) you order will also be provided in five-packs.</p>	Number of Pumps	Code	1-Pump Price	5-Pump Price	Selection	Price
			One	1	\$0.00		<input type="text" value="\$ 0.00"/>	
	Five	5	\$0.00					
B. Pump Type		<p>No matter whether you choose the Single-Pump Option or the 5-Pump Kit Option in Section A, you have a choice of three different types of pumps:</p> <ul style="list-style-type: none"> The Escort ELF Pump with 90-second Flow-Fault Indicator. In the event that a flow blockage occurs, the Flow-Fault Indicator circuitry illuminates an LED to alert the user. Within 90 seconds, the pump automatically shuts off, but the cumulative elapsed time remains on the display. To select this option, write "ELF1" in the box at right. The Escort ELF Pump without Flow-Fault Indicator. To select this option, write "ELF2" in the box at right. The Escort LC Pump. To select this option, mark "ESLC" at right. 	Pump Type	Code	1-Pump Price	5-Pump Price	Selection	Price
			Escort ELF Pump with 90-second Flow-Fault Indicator	ELF1	\$870.00	\$4,350.00	<input type="text"/>	
			Escort ELF Pump without 90-second Flow-Fault Indicator	ELF2	\$870.00	\$4,350.00		
			Escort LC Pump	ESLC	\$590.00	\$2,950.00		
C. Battery Chargers		<p>Which type of battery charger do you want? Select from the following choices and mark your selection in the box at right (all operate from 50/60 Hz):</p> <ul style="list-style-type: none"> "0" for no battery charger "1" for 120-Volt charger "2" for 220-Volt charger "5" for the 5-Unit charger 	Battery Chargers	Code	1-Pump Price	5-Pump Price	Selection	Price
			No battery charger	0	\$0.00	\$0.00	<input type="text"/>	
			120-Volt charger 50/60 Hz	1	\$80.00	\$400.00		
			220-Volt charger 50/60 Hz	2	\$100.00	\$500.00		
			5-Unit charger 120/240 V, 50/60 Hz	5	\$570.00	\$570.00		
D. Sampling Accessories		<p>Sampling Accessories include the following:</p> <ul style="list-style-type: none"> Sample Line 10 mm Cyclone Assembly, which separates respirable dust particles from non-respirable particles The Gemini® Twin-Port Sampler, which streamlines sampling with sorbent tubes by enabling collection of two or more samples simultaneously from a single sampling pump. 	Sampling Accessories	Code	1-Pump Price	5-Pump Price	Selection	Price
			Sample Line only	1	\$25.00	\$120.00	<input type="text"/>	
			*10 mm Cyclone Assembly (456243)	2	\$210.00	\$1,050.00		
			Gemini Twin-Port Sampler	3	\$245.00	\$1,225.00		
			No Sampling Line	4	\$0.00	\$0.00		
			*10 mm Cyclone Assembly IH (10044015)	5	\$217.00	\$1,085.00		
E. Protective Jackets		<p>A protective leather jacket is offered as an option to protect the instrument from everyday wear, tear and scuff marks. To select the jacket, mark "1" in the box at right.</p>	Protective Leather Jacket	Code	1-Pump Price	5-Pump Price	Selection	Price
			None	0	\$0.00	\$0.00	<input type="text"/>	
			Protective Leather Jacket for Sampling Pump	1	\$58.00	\$290.00		

Your Model Part Number

Please write in numbers from selections above in appropriate boxes and contact your Safety Products Distributor to place your order.

Selection ... **A** - **B** - **C** - **D** - **E**
A-PMP- - - - -

Total Unit Price = \$

All Pricing is in US Dollars

*Cyclone Assemblies

456243 is for use with MSA Pre-Weighed Cassettes (MSHA)
10044015 is for use with Non-MSA Cassettes

42 CFR Oil-Mist Sampling Kits



Escort ELF Kit



Escort LC Kit

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See ordering information on the back page.