



MARUYAMA®

Commercial Chemical Application Equipment Catalog



**MORE
POWER
FOR THE PROS!**



www.maruyama-us.com

**MORE
POWER
FOR THE PROS!**



WELCOME

We proudly celebrate **Maruyama's** 126th anniversary as an industry-changing manufacturing company.

Maruyama began as a family business manufacturing fire extinguishers in 1895, Japan. The Uchiyama family then started to manufacture manual sprayers in 1918. With their development of the power sprayer in 1933, **Maruyama** played an important role in disaster control and prevention. They also contributed to food production in the agricultural industry during the post-depression years.

For over a century, **Maruyama** has become a world leading manufacturer of disaster relief and prevention equipment, creating high quality pressure industrial pumps, sprayers and commercial-grade 2-cycle hand held landscape equipment. **Maruyama US** is now claiming a part of the pest control industry with newly designed, versatile, high-capacity skid sprayers.

Maruyama endeavors to meet and exceed life's obstacles with our commercial grade power equipment and sprayers.

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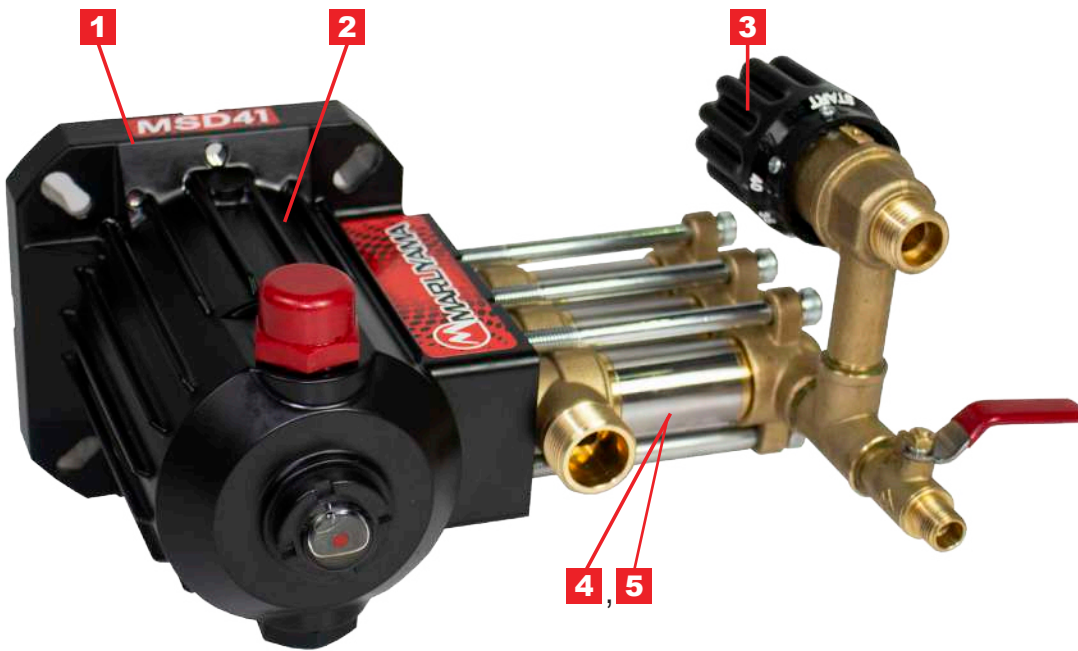


MASANOBU OGASHIRA
Chairman

TAKAHARU UCHIYAMA
President

PISTON PUMPS

MARUYAMA UNIFLOW™ TECHNOLOGY - Maruyama piston pumps utilize our patented, simple UNIFLOW™ design which ensures fluid moves in only one direction throughout the pump without changing its direction. The piston pumps require less horsepower to operate at peak performance. This technology is unsurpassed for efficiency and reduced fuel consumption.



**MORE
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1. DIRECT COUPLING

Easy to mount to engine, reduced space and less components needed to complete the spray unit

2. RESISTANT CRANKCASE

Extremely durable materials for long term performance and corrosion resistance

3. PRESSURE REGULATOR

One knob to control working pressure and flow rates

4. HIGH EFFICIENCY CHROME CYLINDER

High-grade treated stainless steel cylinders for increased resistance to abrasion, chemicals and heat

5. SELF LUBRICATING AND SELF COOLING

The fluid moving through the pump provides lubrication and cooling for the pump



DIRECT DRIVE PISTON PUMPS



	MSD41 3/4"	MSD41 5/8"	MSD51 3/4"
Cylinders	3	3	3
Cylinder coating	CHROME	CHROME	CHROME
Direct drive type	GASOLINE	ELECTRIC	GASOLINE
Dry weight	11.7 lbs	11.7 lbs	17.2 lbs
Pressure (psi max.)	570	570	570
Suction volume (gpm @ 3600RPM)	8 gpm	8 gpm	10.6 gpm
Maximum RPM	3600	3600	3600
Required power (approx)	3.6 HP	3.6 HP	5.0 HP
Part number	366537	366538	366559

BELT-DRIVEN PUMPS



	MS332	MS415	MS655	MS755	MS905
Cylinders	3	3	3	3	3
Cylinder coating	CERAMIC	CERAMIC	CERAMIC	CERAMIC	CHROME
Drive type	BELT	BELT	BELT	BELT	BELT
Dry weight	15.9 lbs	24.3 lbs	48.0 lbs	52.5 lbs	88.2 lbs
Pressure (psi max.)	500	700	700	700	650
Suction volume (gpm)	6.0	7.9	14.5	15.8	25.8
Maximum RPM	1050	1000	1000	950	800
Required power (approx)	2.6 HP	3.5 HP	6.0 HP	7.0 HP	8-13 HP
Part number	354182	354151	354133	354155	354170



PISTON PUMP / ENGINE COMBOS

Versatile as a power sprayer, simple as a re-power kit.

Assembled from components matched for compatibility and superior quality, Maruyama spray piston pump engine combos are unrivaled for performance and extraordinary durability.



Pump/Engine Combos	MSD41TEC-H	MS332ECH	MS415ECH
4-cycle - Honda-GX 160cc Engine (Approx. Hp)	5.5	5.5	5.5
Drive type	DIRECT	BELT	BELT
Pump type	Triplex piston	Triplex piston	Triplex piston
Cylinder Coating	CHROME	CHROME	CERAMIC
Spray Volume	8.0 gpm	6.0 gpm	7.9 gpm
Max Pressure	570 psi	500 psi	700 psi
Dry weight	71.6 lbs	79.3 lbs	88.1 lbs
Agitation	liquid bypass	liquid bypass	liquid bypass
Part Number	366545	358585	358584



Each pump combo includes suction hose, strainer assembly and bypass hose

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SKID SPRAYERS



Product design and specification may be changed without prior announcement.

- Choice of THREE chemical tank sizes: 50, 100, & 200 gallon
- Maruyama's Legendary UNIFLOW™ Piston Pump: MSD41 (direct drive) paired with Honda GX160 engine
- Corrosion resistant aluminum frame
- Durable polyethylene tanks
- Stacked "TOPS" only available on 50 and 100 gallon configuration
- Optional electric reel available on all skid sprayers
- Optional 3-roller hose guide available on all manual and electric reels
- 100% Commercial-grade
- Complete line of optional guns, wands, nozzles and extensions

MSD41 Direct Drive Pump

Maruyama's UNIFLOW PISTON PUMPS are legendary throughout the world.

(MSD41 pump specs on pg. 5)



SKID SPRAYERS

50 GALLON ALUMINUM FRAME



Model	MSD41-50T	MSD41-50TE
Description	50 Gallon TOP	50 Gallon TOP
Frame	Aluminum	Aluminum
Dry Weight (lbs.)	290	305
Hose Reel	Manual	Electric
Length (inches)	42	42
Width (inches)	27	27
Height (inches)	37	37
Part Number	849302	849301



100 GALLON ALUMINUM FRAME



Model	MSD41-100T	MSD41-100TE	MSD41-100	MSD41-100E
Description	100 Gallon TOP	100 Gallon TOP	100 Gallon Standard	100 Gallon Standard
Frame	Aluminum	Aluminum	Aluminum	Aluminum
Dry Weight (lbs.)	309	324	362	377
Hose Reel	Manual	Electric	Manual	Electric
Length (inches)	42	42	48	48
Width (inches)	27	27	48	48
Height (inches)	49.5	49.5	43.5	43.5
Part Number	849304	849305	849306	849307



200 GALLON ALUMINUM FRAME



Model	MSD41-200	MSD41-200E
Description	200 Gallon Standard	200 Gallon Standard
Frame	Aluminum	Aluminum
Dry Weight (lbs.)	480	495
Hose Reel	Manual	Electric
Length (inches)	60	60
Width (inches)	50	50
Height (inches)	43.5	43.5
Part Number	849308	849309



Legendary Patented Pump Technology

Maruyama's patented UNIFLOW™ piston pumps are the best on the market. The positive displacement and extreme-duty engineering make them the most economical to run while still achieving low/high volumetric efficiency and minimal pulsation.

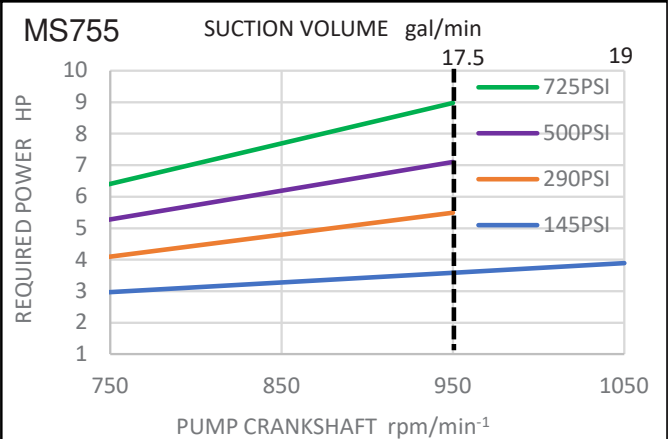
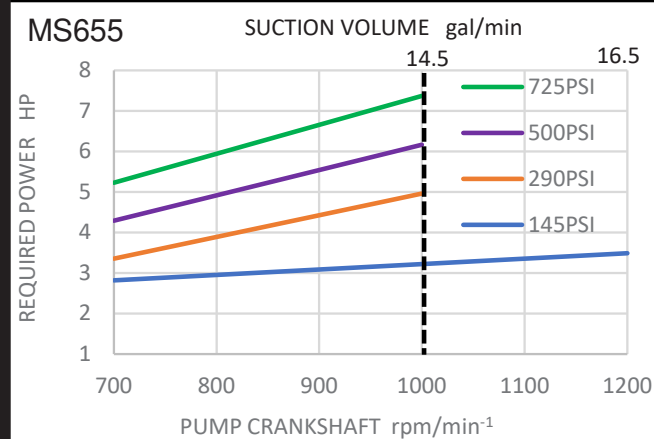
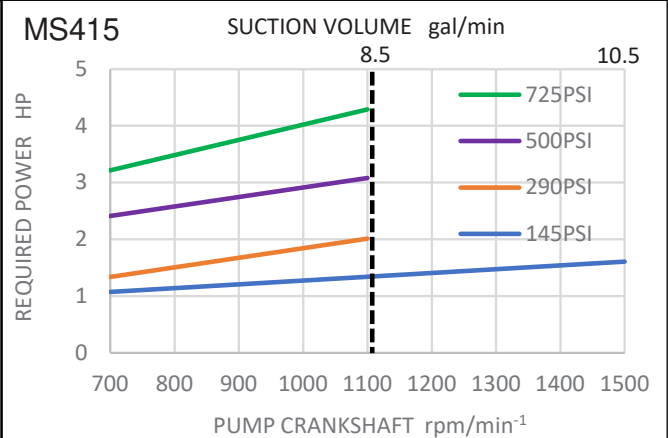
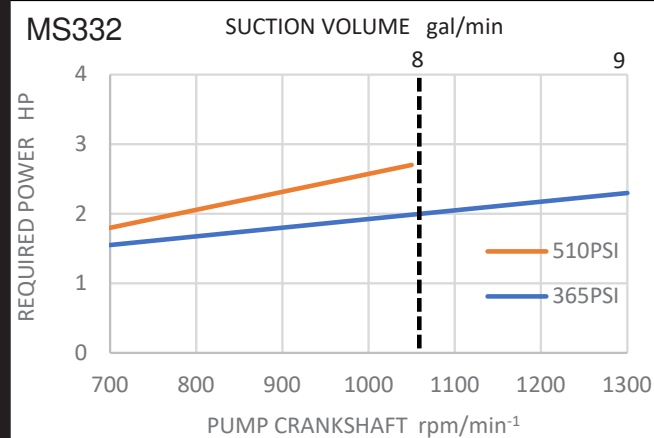
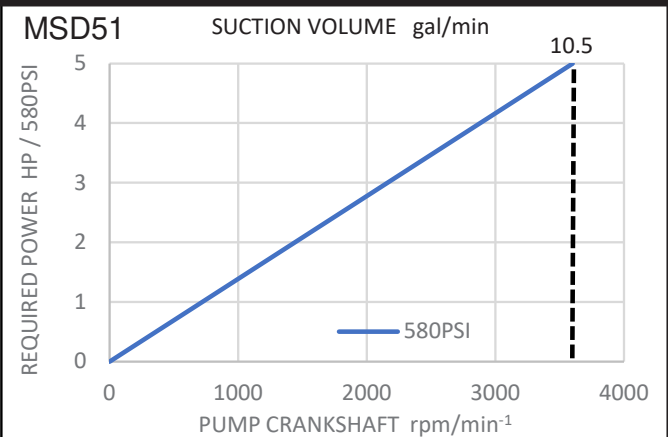
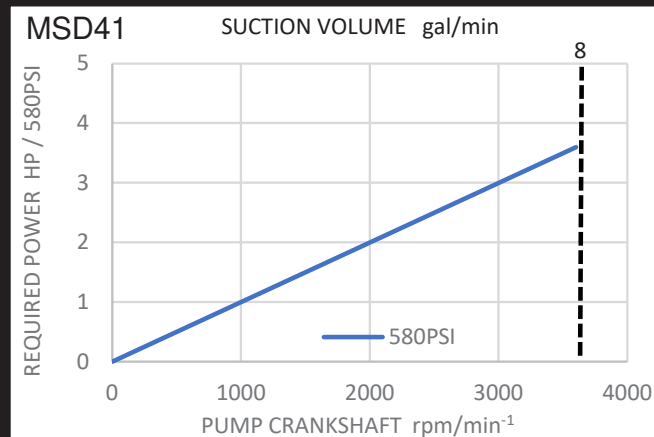
These charts show both the suction volume (gal/min at various rpms) and also the required power (hp - kw) needed at those specific rpms.

Maruyama recommends the Honda-GX series engines to be used with these pumps.

- The unique valve design uses the inertia of the moving fluid to create a smooth and continuous flow that is self-lubricating and self-priming
- Premium materials like stainless-steel cylinders, forged, chrome-moly crankshafts, oversized ball bearings, diecast aluminum crank cases and Viton cylinder packings provide performance, strength and reliability
- Self-cooling and lubricating—reduces chance of contamination



MORE POWER FOR THE PROS!



BACKPACK AND PORTABLE SPRAYERS



Excellent Control, Performance and Results.

Maruyama portable power sprayers offer the best performance and durability in its class. Maruyama's unique UNIFLOW positive displacement piston pump offers a consistent pressure providing supreme chemical coverage and penetration. The continuous improvement allows us to reach working pressures of up to 356 psi. This allows us to effectively use a second lance and an endless number of specialized spray accessories. Ideal for the application of agrochemicals in agriculture, gardening, farms, greenhouses, open field crops, shrubs, fruit trees, vegetables and pest control applications.



BACKPACK SPRAYER

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MS75



30.1 cc / CER300

21.0 lb

20.3 oz

Chem. tank capacity = 6.6 gal

Suction volume = 1.9 gpm

4-dial pressure settings =
90, 180, 270, & 356

Liquid bypass agitation

353028

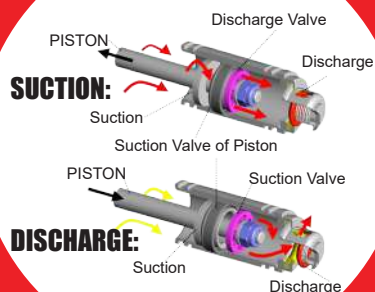
Optional Cart

Aluminum, non-caustic finish

Lightweight & sturdy

Rubber tires

645941



- Maruyama Patented Uniflow™ Technology
- Self-priming, self-lubricating and self-cooling Dual piston pump for increased pressure

BARREL TOP SPRAYER

VERSATILE & COMPACT

MS75E



30.1 cc / CER300

16.3 lb

20.3 oz

Suction volume = 1.9 gpm

4-dial pressure settings = 90, 180, 270, & 356

Liquid bypass agitation

353027



Includes: pump, suction and bypass hoses, 20m of hose and a U2L spray gun (#116126)

SPOT SPRAYER

MS75E-25 SS



30.1 cc / CER300

36.0 lb

20.3 oz

Compact dimensions:

34" w x 18" d x 26" h

Chem. tank capacity = 25 gal

Suction volume = 1.9 gpm

4-dial pressure settings =
90, 180, 270, & 356

Liquid bypass agitation

849094



Displacement (cc)



Dry Weight (kg)



Fuel Tank (L)



Easy Start

MISTERS AND DUSTER



**BRAND NEW MM91
MIST BLOWER**



ASSISTED STARTER
Even the softest pull will start the unit

LIQUID WEIGHT BALANCE
Even distribution of chemicals during application



20%

80%



ADJUSTABLE HANDLE
Improved tube control

NEW BOOSTER NOZZLE
Improved coverage



HEAVY DUTY FAN
One piece design for durability





Pistol Grip
on Misters



MM300
Mister Tip
DROPLET TEST:
SMD= 55-64 microns



MISTER

MM300



30.1 cc / CER300

15.65 lb

20.3 oz

Chem. tank capacity = 3.43 gal
Flow settings = variable

352799



MISTER

MM91-V



79.2 cc / CER800

25.6 lb

67.0 oz

Chem. tank capacity = 3.43 gal
Flow settings = 4

352873



DUSTER

MD300



30.1 cc / CER300

19.4 lb

20.3 oz

Flow settings = 27 (3x9)

352826

Backpack MISTER/BLOWER

Atomizer volume (gpm)	0 - 0.79 gpm	0 - 1.32 gpm	---
Duster volume (lb/min)	---	---	0-17.64 lb/min
Granular volume (lb/min)	---	--	0-35.27 lb/min
Item number	352799	352873	352826

FOGGER ATTACHMENT

ULTRA LOW VOLUME

Maruyama's ultra low volume / ULV fogger attachment attaches to the Maruyama MM300 mister for easy, effective insect fogging applications.

FOGGER Tip



- Lightweight - Approx. 2.0 lbs
- ON/OFF adjustment valve
- Pistol throttle on lightweight tube
- SUB-25 MICRON Droplets
- for long hang times

ULV-F for MM300

841068



Fogger Attachment
shown on MM300 MISTER



BATTERY SPRAYER

- IRON 5-Yr COMMERCIAL WARRANTY
- RECHARGABLE Lithium-Ion battery (battery covered by Makita warranty)
- Lightweight and extremely durable

MS40Li



Dry weight = 11.7 lb
 Tank capacity = 3.9 gal
 Volume = 0.39 gpm
 Charging time = 22 minutes
 Pressure (3 settings) = 145 / 72 / 43 psi
 Working time = 45 / 120 / 300 min
 Lithium ION battery =
 Makita 18V-3.0Ah BL1830 (# 133560)

353080



PIVOTING TANK
 Better weight distribution
 of liquid during use



Shown with
 1-pt adjustable nozzle #127460
 (included)



Shown with
 black dual wide-nozzle #471938
 (included)



Adjustable nozzle #127460
 and telescopic nozzle pipe
 #465077 (optional)



Displacement (cc)



Dry Weight (kg)



Fuel Tank (L)



Excellent Control, Performance and Results.

Maruyama battery-powered sprayers offer the best performance and durability in its class. Maruyama's unique UNIFLOW positive displacement piston pump offers a consistent pressure providing supreme chemical coverage and penetration. The continuous improvement of our technology allows us to reach working pressures of up to 145 psi.

We offer specialized spray accessories to customize the application of chemicals. Ideal for the application of agrochemicals in agriculture, gardening, farms, greenhouses, open field crops, shrubs, fruit trees, vegetables, pest control applications, and sanitation.



TRACTOR MOUNTED BOOM SPRAYERS



Maruyama's tractor sprayers are ideal for small and medium size farms. Ideal for sugar cane, berries, and row produce growth in narrow rows.

- Extreme-duty Maruyama professional boom sprayer which mounts easily to any kind of small tractor*
- Maruyama's legendary triple piston pumps ensures durable, efficient service
- Adjustable 2-directional nozzles on the booms increase productivity and saves time, so you are not having to change out different types of nozzles in the field between sprays

* Tractor not included



2-DIRECTION
YAMAHO NOZZLE



2-DIRECTION
ISO NOZZLE




	BSM201	BSM-301	BSM-500
Applicable tractor	17 - 23 HP	+ 30 HP	+34 HP
Piston pump	MS331	MS331	MS655s
Flow rate	7.9 gal/min	7.9 gal/min	14.0 gal/min
Max pressure	435 psi	435 psi	435 psi
Chemical tank capacity	52.8 gallons	80 gallons	140 gallons
Boom length	13.8 ft	24.6 ft	33.5 ft
Nozzle type	14 nozzles (2-direction)	25 nozzles (2-direction)	34 nozzles (2-direction)
Nozzle type	Yamaha	Yamaha	Yamaha
Dry weight	253.5 lbs	275.5 lbs	440.9 lbs
Part number	328290	720032	328244



MANUAL SPREADER AND DUSTER

MG51


MANUAL DUSTER


 Dry weight = 6.2 lb
 Tank cap. = 1.2 gal
 Volume (powder) = 0-14.2 oz/min
#338129



MG10




MANUAL SPREADER


 Dry weight = 3.7 lb
 Tank cap. = 3.0 gal
 Volume (granules) = 77.8 oz/min
#338119



TRENCHING TOOL

T300


 30.1CC / CER 300

 Dry weight = 16 lb

 Tank cap. = 20.3 oz

Driveshaft material	solid steel
Easy Start	standard
CARB&EPA compliant	YES
Commercial warranty	5 yrs
Item number	365012



Using the T300 trenching tool gives quick access to foundations, etc. for more targeted termite treatments



SPRAYER ACCESSORIES

SPRAY GUNS AND ATTACHMENTS

FOR PORTABLE AND BACKPACK SPRAYERS



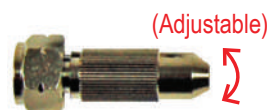
#353028 MS75 + #116126 U2L Gun



U2L Gun
#116126



Adjustable Nozzle
(45° Angle)
#588002



Adjustable Nozzle
#127460



Wide Nozzle Ass'y
(NN-D-5A)
#417938



Ring Type
5-Head Nozzle A
#074206



2-Nozzle Wand
Length 6.7in
#417232



3-Nozzle Wand
Length 10.6in
#639508



#417938 Wide Nozzle Ass'y



#074206 Ring Type 5-Head Nozzle A



#417232 2-Nozzle Wand, Length 17cm



3-Nozzle Wand
length 22in
#417233



Nozzle Pipe
34.7in
#465062



Nozzle Pipe
58.3in
#417208

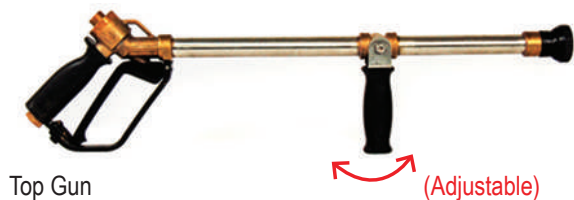


Telescopic Nozzle Pipe
55 - 95in
#465077



SPRAY GUNS AND ATTACHMENTS

FOR SKID SPRAYERS



Top Gun
#832505



#832505 Top Gun (different spray settings)



#417257 High End Nozzle (different spray settings)



Soil Injector
#639258



#639258 Soil Injector



High End Nozzle
#417257



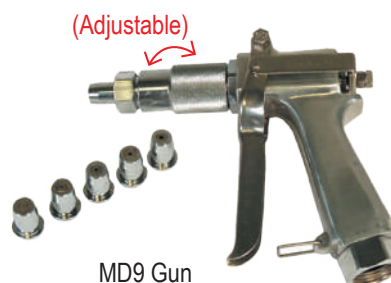
Super Zoom P-700
#417221



4-Nozzle Boom
#637153

NOZZLES FOR MD9 GUN

- #842441 #2 Nozzle, 0.8 mm, 0.3-1.0 gpm
- #842442 #4 Nozzle, 1.5mm, 1.0-3.0 gpm
- #842443 #5 Nozzle, 2mm, 2.0-5.0 gpm
- #842444 #8 Nozzle, 3mm, 3.0-8.0 gpm
- #840925 #6 Nozzle (standard),
2.5mm, 3.6 gpm



MD9 Gun
#842404



BLUE ULTRA-SHIELD

PROTECTS CLEANS PERFORMS

- The most advanced technology in 2-cycle engine oil
- Superior synthetic blend oil that gives premium protection to internal moving parts reducing maintenance costs
- Formulated with fuel stabilizer
- Cleans engine and protects against carbon particle buildup
- Exceeds JASO-FD quality standards
- Promotes exceptional engine performance and long engine life
- Blue color makes it easy to identify gasoline mix in containers
- Mixes instantly with gasoline



PART #	DESCRIPTION	Bottles per Case	Cases per Pallet
849860	Blue Ultra-Shield - 2.6oz. Bottle (1-gal mix)	24	144
849861	Blue Ultra-Shield - 6.4oz. Bottle (2.5-gal mix)	24	128
849862	Blue Ultra-Shield - 12.8oz. Bottle (5-gal mix)	24	60



MARUYAMA®



COMMERCIAL WARRANTY

5 Year Commercial / Residential warranty on qualified products with the purchase and use of Maruyama Blue Ultra-Shield oil

Lifetime Warranty for solid steel driveshafts and Ignition coils on qualified units

5 Year Warranty available only through Authorized Maruyama Dealers

5 Year Warranty excludes Chainsaws, Big-M Pro-Scape products, and any unit used for rental purposes

For more information regarding your products specific Maruyama warranty, please ask your Authorized Maruyama Dealer, visit www.maruyama-us.com/warranty, or consult the warranty card that comes with your product.



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5-DAY BUYBACK PROGRAM



The 5-Day Buyback Program is simple! An end user can purchase any qualifying product, use it for five days and if not completely satisfied, return it to the selling dealer for a full refund. Dealers will receive a 15% rebate of dealer's unit cost (as a credit on dealer's acct.) on any returned unit with approved submission of completed 5-Day Buy-Back form and receipt for unit and oil purchased. This is meant to offset the reduced selling price of the used unit. The dealer retains the unit.

The program is only available for hand-held engine-powered units carrying the IRON 5-YR™ Warranty and is available only to registered and authorized Maruyama dealers. A validated purchase of Maruyama Premium 2-cycle Maruyama Blue Ultra-Shield™ or the equivalent is required.

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Contact Your Local Maruyama Distributor