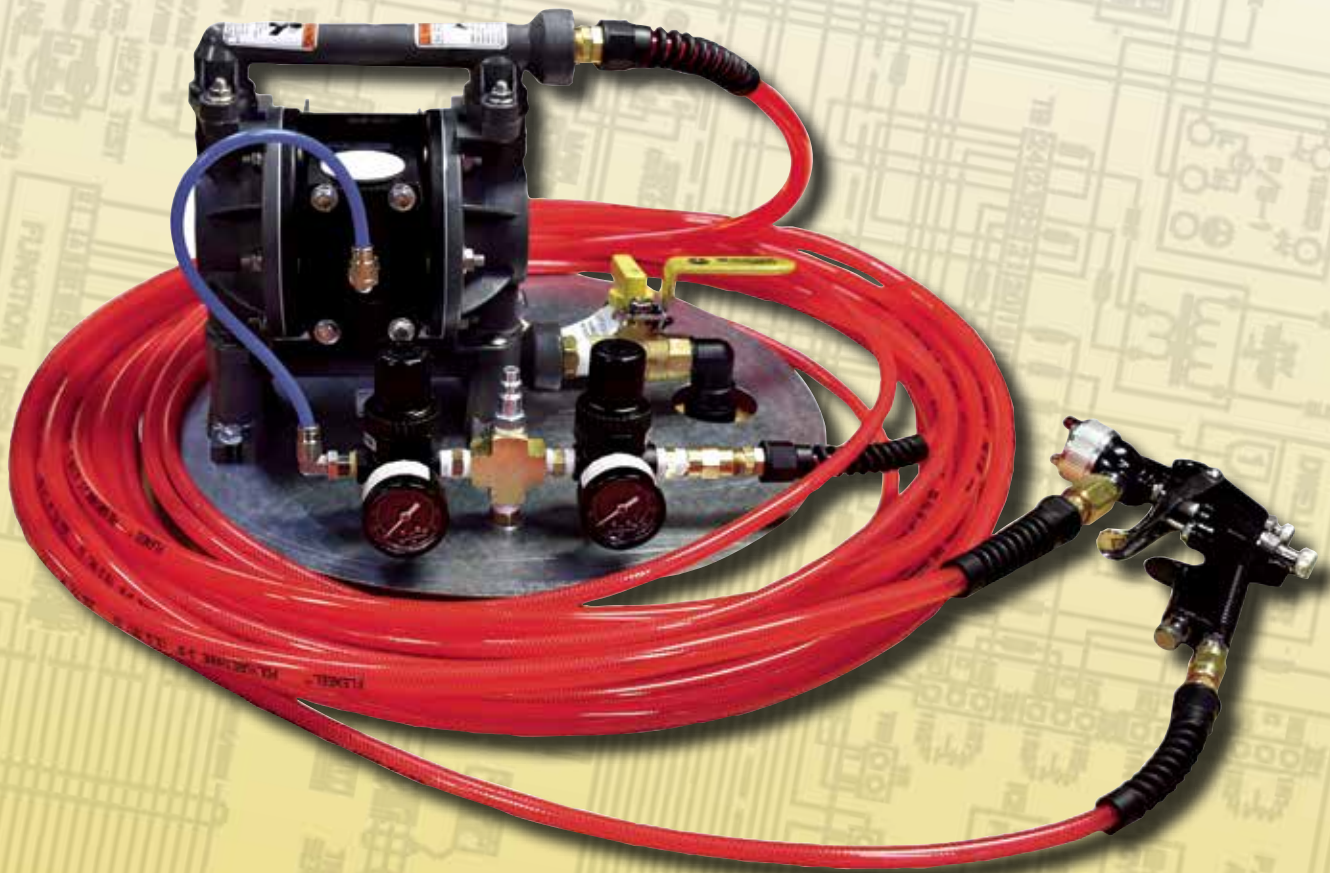




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# **SUPER SPRAYFAST UNIVERSAL ADHESIVE APPLICATOR**

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## **OWNER'S MANUAL**

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**DURO  
DYNE**

**MACHINERY  
DIVISION**

# ***UNIT INSTRUCTIONS***

Please follow all SSFU Safety Instructions.

Contact your Duro Dyne Tech Service if you have any operating questions. Please report any problems or malfunctions to Duro Dyne Tech Service.

## ***LIMITED WARRANTY***

Duro Dyne warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Duro Dyne Distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Duro Dyne will, for a period of 90 days from date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated, and maintained in accordance with Duro Dyne's written recommendations.

This warranty does not cover, and Duro Dyne shall not be liable for, any malfunction, damage, or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-component parts. Nor shall Duro Dyne be liable for malfunction, damage or wear caused by the incompatibility with Duro Dyne equipment of structures, accessories, equipment or materials not supplied by Duro Dyne, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Duro Dyne.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Duro Dyne Distributor for verification of the claim. If the claimed defect is verified, Duro Dyne will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the cost of parts, labor, and transportation.

## ***DISCLAIMER AND LIMITATIONS***

The terms of this warranty constitute purchaser's sole and exclusive remedy and are in lieu of any other warranties (express or implied), including warranty of merchantability or warranty of fitness for a particular purpose, and of any noncontractual liabilities, including product liabilities, based on negligence or strict liability. Every form of liability for direct, special, or consequential damages or loss is expressly excluded and denied. In no case shall Duro Dyne's liability exceed the amount of the purchase price. Any action for breach of warranty must be brought within 1 year of the date of sale.

## ***EQUIPMENT NOT COVERED BY DURO DYNE WARRANTY***

Duro Dyne makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose. With respect to accessories, equipment, materials, or components sold but not manufactured by Duro Dyne. These items sold, but not manufactured by Duro Dyne (such as electric motor, switches, hose, etc.) are subject to the warranty, if any, of their manufacture. Duro Dyne will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

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# EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

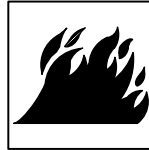
- This equipment is for professional use only.
- Read all instruction manuals, tags and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are not sure, call Duro Dyne's Technical Service department at 1-800-899-3876
- Do not alter or modify this equipment.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated component in your system. This equipment has a **100 psi (7 bar) maximum working pressure at 100 psi (7 bar) maximum incoming air pressure.**
- Use fluids and solvents which are compatible with the equipment wetted parts. Refer to the Technical Data section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Do not use hoses to pull equipment.
- Route hoses away from traffic areas, sharp edges, and hot surfaces. Do not expose hoses to temperatures above 82°C (180°F) or below -40°C (-40°F).
- Wear hearing protection when operating this equipment.
- Do not lift pressurized equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.



## TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed

- Know the specific hazards of the fluid you are using.
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local state and national guidelines.
- Always wear protective eyewear, gloves, clothing, and respirator as recommended by the fluid and solvent manufacturer.
- Pipe and dispose of the exhaust air safely, away from people, animals, and food handling areas. If the diaphragm fails, the fluid is exhausted along with the air. See Air Exhaust Ventilation in the separated pump manual 308-553.



## FIRE OR EXPLOSION HAZARD -

Improper grounding, poor ventilation, open flames, or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- If there is any static sparking or you feel an electric shock while using the equipment stop pumping immediately. Do not use the equipment until you identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvents or the fluid being pumped.
- Pipe and dispose of the exhaust air safely, away from all sources of ignition. If the diaphragm fails, the fluid is exhausted along with the air.
- Keep the work area free of debris, including solvent, rags, and gasoline.
- Electrically disconnect all equipment in the work area.
- Extinguish all open flames or pilot lights in the work area.
- Do not smoke in the work area.
- Do not turn on or off any light switch in the work area while operating or if fumes are present.
- Do not operated a gasoline engine in the work area.

# TECHNICAL DATA

Wetted Parts		Maximum Fluid Working Pressure.....	100 psi (7 bar)
Pump.....	Acetal/Teflon*	Maximum Operating Range.....	15-100 psi (1-7 bar)
Spray Gun.....	Stainless/Aluminum	Pump Air Inlet Size.....	1/4 npt (f)
Fluid Hoses.....	Nylon	Pump Fluid Inlet and Outlet Size.....	3/8 npt (f)
Surge Tank.....	Nylon	*Sound Data	
Fluid Regulator		Pump sound level at 100 psi (7 bar), full flow....	
Fittings		.....	85 dB(A)
235-366.....	Acetal, Carbon Steel	Pump sound level at 70 psi (4.8 bar)	
Tubling.....	Nylon	1 gpm (3.8 lpm).....	78 dB(A)
		Operating Temperature Range; 40° to 150°F (4.4°-65.5° C)	
		*Tested to CAGI-PNEUROP-1969	

# ASSEMBLY

## Assembling for the 5 Gallon unit: (see Figure-1 below)

- 1 - Insert the Suction Tube through the hole into the Elbow to its full depth.
- 2 - Insert the Re-circulation Tube (shown as hidden) through the hole into the Connector to its full depth. Tube may be as shown or on other side of the Elbow. Tighten the nut securely.
- 3 - Place the assembled unit over a 5 gallon pail and use as required.

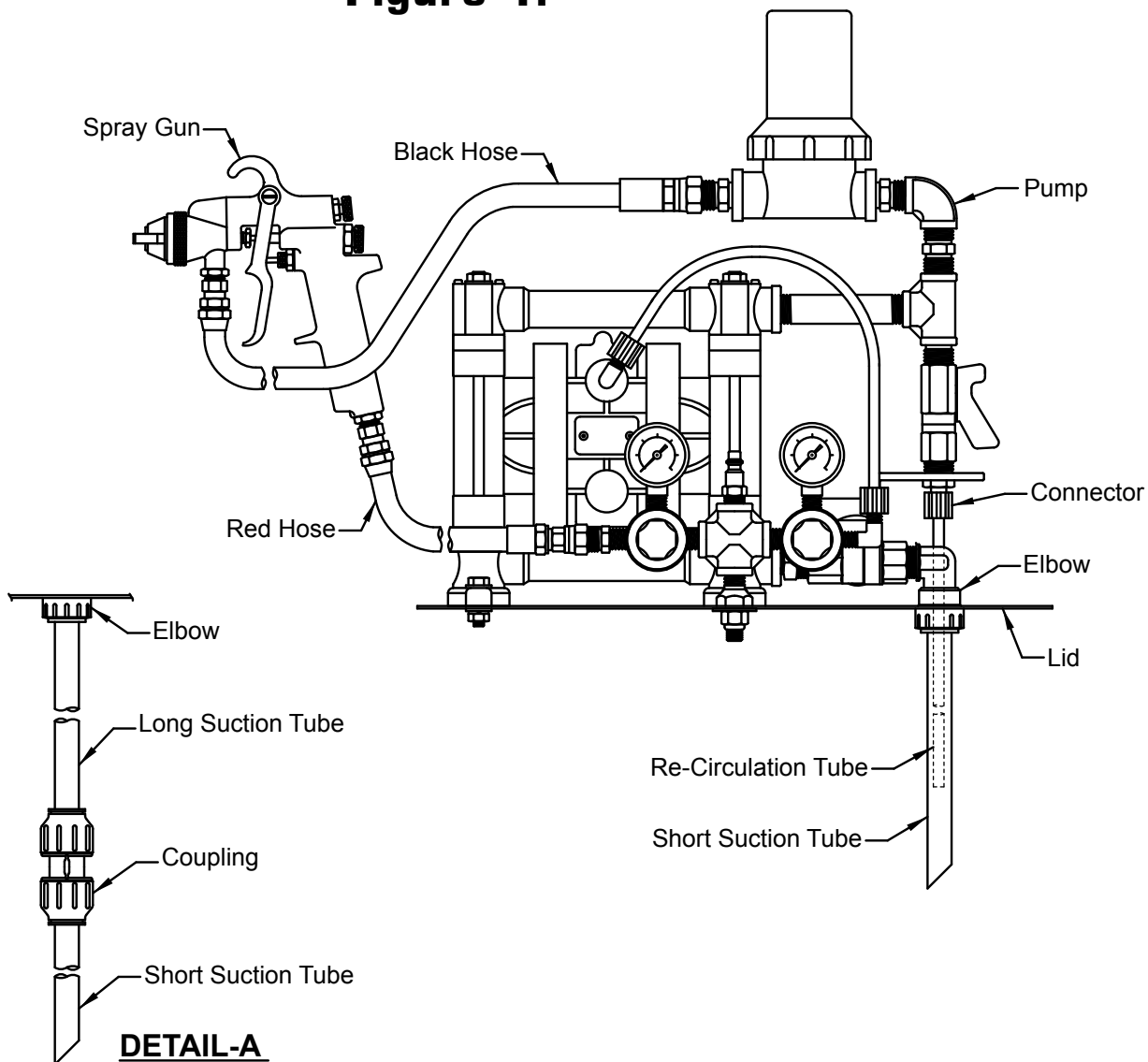
## Hose Connections: (see Figure-1 below)

- 1 - Read the entire Spray Gun manual before connecting the Hoses and operating the sprayer.
- 2 - Connect the Black and Red Hoses between the Pump and the Spray Gun as shown.

## Assembling for the 55 Gallon unit: (see Figure-1 below)

- 1 - Pre-assemble the Long and Short Suction Tubes as shown in DETAIL-A using the Coupling supplied.
- 2 - Insert the assembled Suction Tube through the hole into the Elbow to its full depth.
- 3 - Insert the Re-circulation Tube (shown as hidden) through the hole into the Connector to its full depth. Tighten the nut securely.
- 4 - Place the assembled unit on a 55 gallon drum with the tubes inserted through the hole of the lid and use as required.

**Figure 1:**



# OPERATION

## General Information:

- 1 - The typical assembly and installation shown on pages 4, 5 and 6 are only a guide for selecting and installing system components.
- 2 - Always use genuine Duro Dyne Super Sprayfast Universal parts and accessories, available from your Duro Dyne Distributor. Refer to the Product Data Sheet for the pump. If you supply your own accessories, be sure they are adequately sized and pressure rated for your system.
- 3 - Use a compatible, liquid thread sealant or Teflon tape on all male threads. Tighten all connections firmly to avoid air or fluid leaks. Do not over-tighten plastic threads.

## Pressure Relief Procedure:



### WARNING

#### PRESSURIZED EQUIPMENT HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. To reduce the risk of an injury from accidental spray from the gun, splashing fluid or moving parts, follow the Pressure Relief Procedure whenever you:

- Are instructed to relieve the pressure,
- Stop spraying,
- Check or service any of the system equipment,
- Or install or clean the spray tips.

1. Shut off the air to the pump.
2. Trigger the spray gun.
3. Open the Re-circulating Valve (see Figure-3) to relieve all fluid pressure, having a container ready to catch the drainage.

## Pump Shutdown:



### WARNING

To reduce the risk of serious injury whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure**.

## Flushing and Storage:



### WARNING

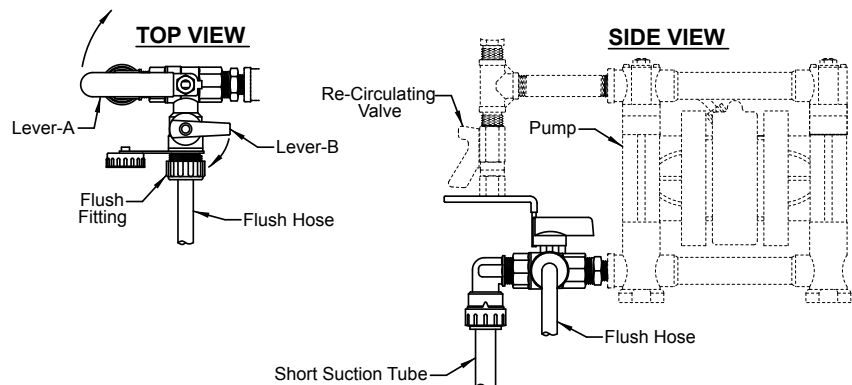
To reduce the risk of serious injury whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure**.

Flush the Pump when necessary to prevent the fluid you are pumping from drying or freezing in the pump and damaging it. Use a compatible solvent/mineral spirit.

Before storing the Pump, always relieve the pressure as noted at left and flush the Pump as follows: (see Figure-2 below)

- 1 - Ensure the Re-Circulating Valve is in the "OFF" position.
- 2 - Open the Flush Fitting and secure the Flush Hose properly. Place the open end of the Flush Hose into a container of water.
- 3 - Rotate Lever-A 90deg, then rotate Lever-B 90deg.
- 4 - Trigger the Spray Gun into another container until only clear water comes through.
- 5 - Store the Pump and Spray Gun properly until its next use.

Figure 2:



# OPERATION

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## Starting and Adjusting the Pump: (see Figure-3 below)

- 1 - Check that all fittings are tight. Be sure to use a compatible liquid thread sealant or Teflon tape on all male threads. Tighten the Fluid Inlet and Fluid Outlet fitting into the Pump.
- 2 - Place the finished Pump Assembly onto either a 5 gallon pail or a 55 gallon drum with tubing into the fluid. Ensure stability when placing on a 5 gallon pail.
- 3 - Make sure the Air Regulators are closed. Open the Re-circulating Valve.
- 4 - Connect the air-line quick disconnect to the Air Inlet Fitting.
- 5 - With the Gun Air Regulator closed, open the Pump Air Regulator.
- 6 - Allow the Pump to cycle slowly until all air is pushed out of the Re-circulation Tube and the Pump is primed.
- 7 - Trigger the Spray Gun. Open the Gun Air Regulator and close the Fluid Drain Valve. Allow the Pump to cycle slowly until all air is pushed out of the Fluid Hose and Spray Gun.

## If Pump Fails: (see Figure-3 below)

Lower the air pressure with a 1/8" flat-head screwdriver. Give the reset valve on the front of the Pump a 1/16" turn left or right. Pump should reset and begin cycling. This may need to be repeated 2 or 3 times.

## Re-circulating Line: (see Figure-3 below)

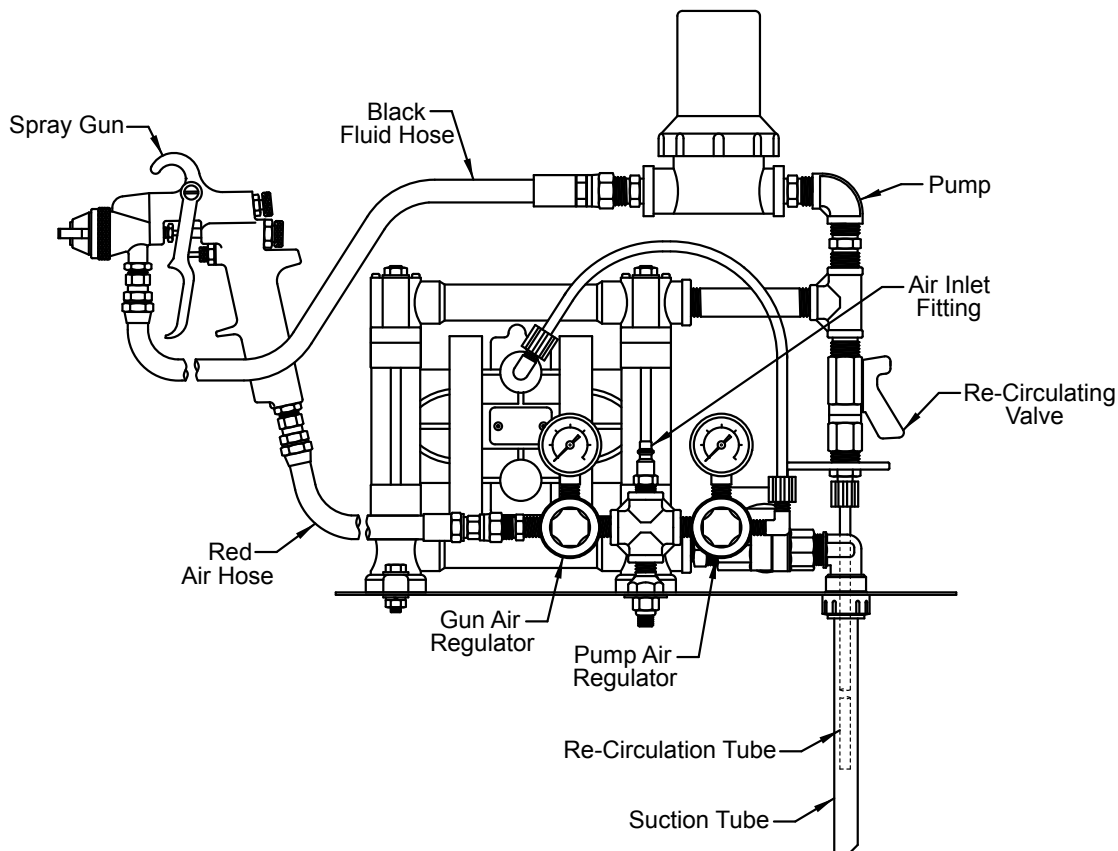
The Re-circulation Tube drains unused fluid back into the fluid container, ensuring an even flow at the Gun. Re-circulation also provides gentle fluid agitation. To re-circulate fluid, open the Re-circulating Valve while you are spraying. To stop re-circulation, close the valve.

## Operating Pressure:

Air.....60-70psi

Fluid.....60-70psi

**Figure 3:**



## ***PARTS LIST***

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<b>39033</b>	<b>SSFU P/U Tube - Short</b>
<b>39034</b>	<b>SSFU P/U Tube - Long</b>
<b>39035</b>	<b>SSFU P/U Tube Coupler</b>
<b>39052</b>	<b>SSFU Flush Fitting Assembly</b>
<b>39053</b>	<b>SSFU Flush Hose Assembly</b>
<b>39054</b>	<b>SSFU Lid Complete</b>
<b>5120</b>	<b>CAG SSFU Adhesive Gun Only</b>
<b>5144</b>	<b>15' Black Fluid Hose</b>
<b>5145</b>	<b>15' Red Air Hose</b>



Please Visit Our Website  
**[www.durodyne.com](http://www.durodyne.com)**

for the most up to date product information.



**MACHINERY DIVISION**

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