



X-TractorAir™

Fluid Extraction System



Operations Manual



INTRODUCTION

to the Flo-Dynamics X-TractorAir™

Congratulations on the purchase of your X-TractorAir™ fluid extraction system!

The X-TractorAir is a high-performance fluid extraction system designed to remove a wide range of automotive fluids* quickly and efficiently. Whether you're running a small repair shop or a high-volume service center, X-TractorAir delivers reliable performance with effortless operation.

NOT FOR USE WITH HIGHLY FLAMABLE LIQUIDS SUCH AS GASOLINE!

Please take time to read through this manual to familiarize yourself with the X-TractorAir before operating.

IMPORTANT SAFETY NOTICE

For your safety, read this manual thoroughly before operating your X-TractorAir unit. The safety messages presented below and throughout this user's manual are reminders to the operator to exercise care when using this unit. Before using your X-TractorAir unit, always refer to and follow the safety messages and applicable service procedures provided by the manufacturer of the vehicle being serviced.

• Safety Symbols

A safety symbol, when present, gives a graphical description of the potential hazard, and how to avoid the hazard:



Risk of Fire



Risk of Explosion



Risk of Entanglement



Dangerous Fumes



Do Not Pull or Move



Read Instructions Before Use



Mandatory Eye Protection



Mandatory Protective Gloves



Mandatory Protective Clothing



Mandatory Hearing Protection

• Read All Safety Instructions

Read, understand and follow all safety messages and instructions in this manual. Safety messages in this section of the manual contain a signal word with a three-part message and, in some instances, an icon.

• Signal Words

The signal word indicates the level of the hazard in a situation:

DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

IMPORTANT

Indicates a situation which, if not avoided, may result in damage to the machine, or the vehicle being serviced.

• Safety Messages

Safety messages in this section contain three different type styles:

- Normal type states the hazard.
- **Bold type** states how to avoid the hazard.
- *Italic type* states the possible consequences of not avoiding the hazard.

IMPORTANT SAFETY INSTRUCTIONS

DANGER



Engine exhaust contains toxic gases.

- **Vent vehicle's exhaust away from work area.**
- **Do not breathe exhaust.**

Exhaust gases will cause injury or death.

WARNING



Improper use and operation.

- Read, understand and follow all safety messages and operational procedures in this manual before operating the X-TractorAir.
- This equipment should be operated only by qualified personnel.
- Use this equipment only as described in this manual.

Improper use and operation of this product can result in injury.

WARNING



Engine systems can malfunction expelling fuel, oil vapors, hot steam, hot toxic exhaust gases and other debris.

- **Wear safety goggles and protective clothing, user and bystander.**

Engine systems that fail can cause serious injury.

WARNING



Risk of expelling pressurized fluids.

- **Wear safety goggles and protective clothing, user and bystander.**
- **Always unplug the machine from its power source when not in use.**
- **Keep the service hoses away from hot or moving engine parts. Hoses can split or burst causing fluid to be expelled.**

- **Avoid contact with power steering fluid.**

- **Treatment methods are as follows:**

Eyes: Flush eyes with plenty of water.

Skin: Wash with soap and water.

Inhalation: Move to uncontaminated area.

Ingestion: If large amount, get medical attention.

If any irritation persists, get medical attention.

- **Dispose of used fluid according to environmental laws and regulations.**

Although automatic transmission and power steering fluid pose no significant health hazards, some individuals may experience adverse reactions upon contact.

WARNING



Risk of fire or explosion.

- **Do not operate the X-TractorAir to vacuum up highly flammable liquids such as gasoline. The venting flumes near a flame can cause an explosion.**

Fire or explosion can cause injury.

WARNING



Risk of hearing loss.

- **Wear proper hearing protection, user and bystander.**

Prolonged exposure to loud noise may cause hearing loss.

SAVE AND FOLLOW THESE INSTRUCTIONS!

DIMENSIONS & TECHNICAL SPECIFICATIONS

DIMENSIONS:

Dimensions: 45" H x 17 1/4" W x 17 1/4" D

Weight: 64 lbs.

Chamber Capacity: 10 qts.

Tank Capacity: 63 qts.

Wheels: 3" casters w/ 2 brakes

TECHNICAL SPECIFICATIONS:

Power: Shop Air (not to exceed 120psi)

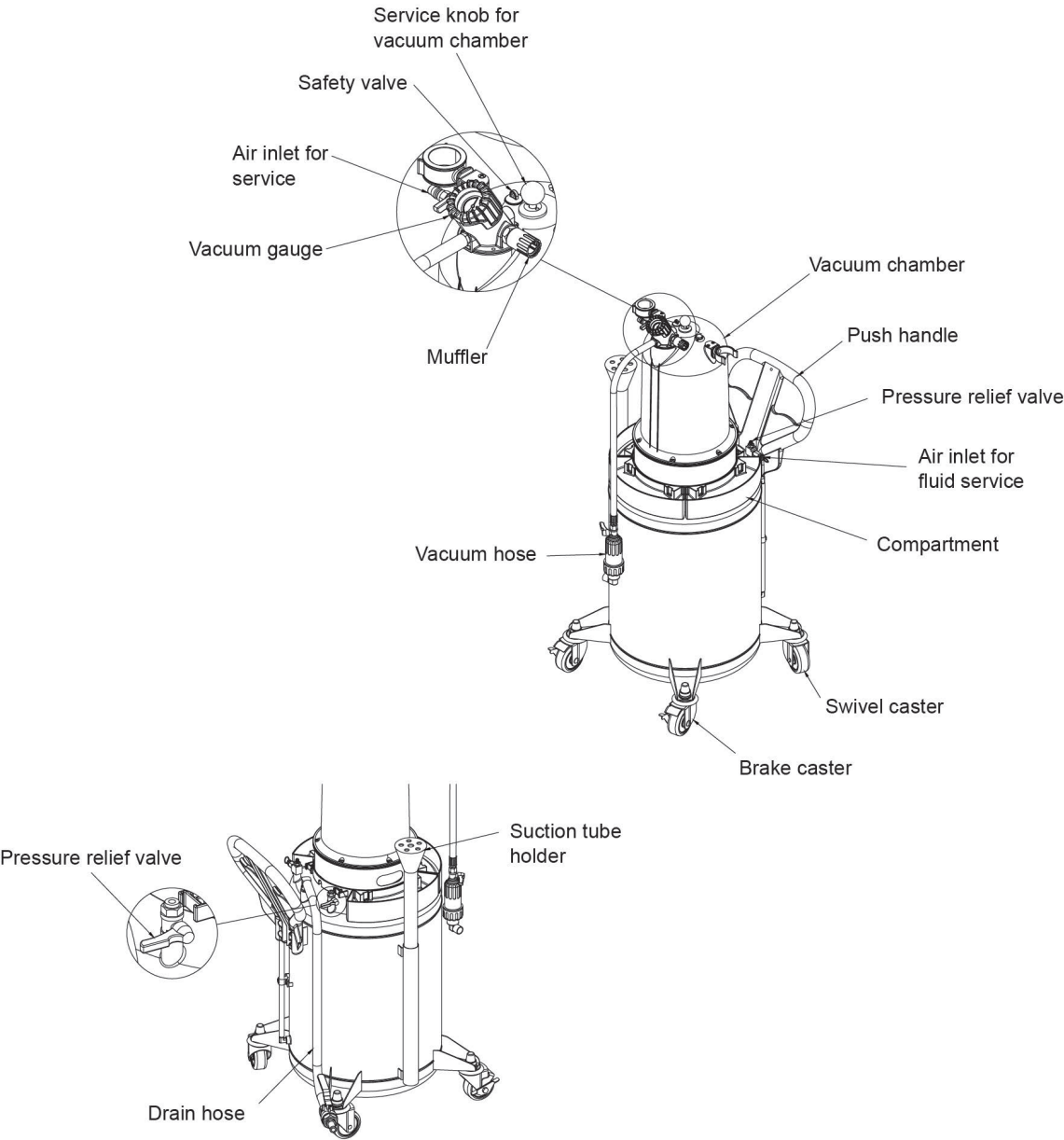
Vacuum: 26.58 hg at sea level

CUSTOMER SERVICE CONTACT INFORMATION

If you are experiencing problems with the X-TractorAir, call technical support at:

1-800-303-5874

UNIT OVERVIEW



	1/4" x 15 3/4" (P/N 200024)
	6 mm x 24" (P/N 200035)
	6 mm x 29" (P/N 200027)
	6 mm x 31" (P/N 200025)
	7 mm x 36" (P/N 200026)
	6 mm x 78" (P/N 200037)

OPERATING PROCEDURE

SAFETY WARNINGS

- **NOT FOR USE WITH HIGHLY FLAMMABLE LIQUIDS SUCH AS GASOLINE.**
- **AIR PRESSURE MUST ALWAYS BE REGULATED TO UNDER 120 PSI.**

OIL EXTRACTION PROCEDURE

1. Pull up the **service knob** on top of the vacuum chamber.
2. **Close** the ball valve on the end of the vacuum hose.
3. Connect **supply air** to the air inlet for service and **open the vacuum valve** to begin generating vacuum.
4. Make sure the vehicle is **level** and the engine oil temperature is **above 140°F**.
5. Select an appropriate **suction tube** and connect it to the vacuum hose.
6. Insert the suction tube **to the same depth as the dipstick**, slightly farther to reach the bottom of the oil pan.
7. **Open** the ball valve at the end of the vacuum hose. The oil will begin flowing into the vacuum chamber.
8. When fluid is visible in the hose, **extraction is in progress**.
9. When the unit begins pulling air, extraction is complete. *Tip: Slightly repositioning the tube (in or out) may remove more fluid.*
10. **Close** the ball valve on the hose and **close** the vacuum valve on top of the machine.

WASTE FLUID COLLECTION

To drain waste fluid from the vacuum chamber:

1. **Open** the pressure relief valve (next to the service knob) on top of the vacuum chamber.
2. **Push the service knob down.** Waste fluid will drain into the bottom tank.

WASTE FLUID REMOVAL

1. Once the tank is full, prepare to remove the waste fluid.
2. Pull **up** on the service knob on top of the vacuum chamber.
3. **Close** the pressure relief valve below the air inlet.
4. Connect **supply air** to the air inlet on top of the bottom tank.
5. **Slowly open** the ball valve to pressurize the tank.
6. Open the valve on the **drain hose** to remove the waste fluid.
7. When the tank is empty:
 - Close the ball valve on the air inlet.
 - Close the ball valve on the drain hose.
 - Ensure the tank is **no longer pressurized** before returning to normal use.

LIMITED ONE (1) YEAR WARRANTY

Flo-Dynamics X-TractorAir

Flo-Dynamics warrants only to the original Purchaser that under normal use, care and service, the Equipment (except as otherwise provided herein) shall be free from defects in material and workmanship for one year from the date of original invoice. Nozzle and Nozzle inserts are warranted for 90 calendar days from the date of original invoice.

SELLER'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED SOLELY TO THE REPAIR OR, AT SELLER'S OPTION, REPLACEMENT OF EQUIPMENT OR PARTS WHICH TO SELLER'S SATISFACTION ARE DETERMINED TO BE DEFECTIVE AND WHICH ARE NECESSARY, IN SELLER'S JUDGEMENT, TO RETURN THE EQUIPMENT TO GOOD OPERATING CONDITION. NO OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AND ALL SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED.

This warranty does not cover (and separate charges for parts, labor and related expenses shall apply to) any damage to, malfunctioning, inoperability or improper operation of the Equipment caused by, resulting from or attributable to (A) abuse, misuse or tampering; (B) alteration, modification or adjustment of the Equipment by anyone other than Seller's authorized representatives; (D) improper or negligent use, application, operation, care, cleaning, storage or handling; (E) fire, water, wind, lightning or other natural causes; (F) adverse environmental conditions, including, without limitation, excessive heat, moisture, corrosive elements, and/or any other condition outside of Seller's environmental specifications; (G) use of the Equipment in combination or connection with other equipment, attachments, supplies or consumables not manufactured or supplied by Seller; or (H) failure to comply with any applicable federal, state or local regulation.

Repairs or replacements qualifying under this Warranty will be performed on regular business days during Seller's normal working hours within a reasonable time following Purchaser's request. **All requests for Warranty service must be made during the stated Warranty period.** This warranty is non-transferable.