



Made in USA

OWNERS MANUAL



This manual contains important information concerning the installation and operation of the crusher listed below.

Oil Filter Crusher - OFC6



Herkules Patent Numbers

These products have patent protection under one or more of the following patent numbers:

9422142, 8733508, 8714524, 866247, 8052120, 7070167, 5485860, 5193561, 5174317, 4960142, 4793369 and Patents Pending

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Herkules Equipment Corporation

A U.S.-based manufacturer, Herkules Equipment Corporation offers a diverse line of products that support multiple industries by improving efficiency, productivity, ergonomics, comfort, and safety in the work environment. The company consists of the three product lines: Herkules, Enkon and BossLifts.

Since 1985, Herkules has designed, engineered and manufactured quality products at our Walled Lake, Michigan facility. Our company supports our products after delivery, with U.S. based customer service, and replacement parts, enabling our customers to proceed with confidence.

To learn more about Herkules, visit <http://herkules.us>. Contact us at info@herkules.us with any questions or concerns.

Thank you for purchasing a Herkules product!

Warranty

IMPORTANT NOTICE: if you have a problem with your Herkules product,

DO NOT RETURN TO PLACE OF PURCHASE

Contact Herkules: by phone 1-800-444-4351; by email, info@herkules.us; or on the web at herkules.us/contact-us.

At Herkules we take great pride in the construction of our American-made products, and we stand behind their reliability. Our limited liability warranty coverage for Crushers warranties the unit for a period of 12 months from the date of purchase. This warranty does not apply to equipment damaged from accident, abuse, overload, misuse, negligence, improper installation, abrasive or corrosive materials, or shipping damage.

In the event of product failure, the defective item must be returned, freight prepaid, to the Herkules manufacturing plant for repair or replacement. If repairs are required, Herkules will not be liable for these repairs to take place in the field regardless of the application. Proof of purchase and date of purchase must be confirmed. An RGA* (Returned Goods Authorization) and written approval from Herkules must be obtained before any goods can be shipped to Herkules. We reserve the right to Determine whether failure is due to defective material, normal wear, and / or other causes.

There are no warranties which extend beyond the description on the face hereof. Herkules disclaims any warranty of merchantability or fitness for a particular purpose in connection with the Buyer's purchase of any Product under this agreement. Damages are limited to the sales price of the Herkules system. The terms and conditions herein represent the entire agreement between Herkules and the Buyer. Any prior / future representations do not apply.

*To obtain a RGA, contact Herkules at 1-800-444-4351 and have the item model, serial numbers, and invoice number if applicable.

Upon receipt of your equipment, please write your purchase information below. Please retain this manual for your records.

Serial Number	_____	Model Number	_____
Purchase Date	_____	Distributor (if applicable)	_____

Warning:

This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions

Caution:

This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.



WARNING

FAILURE TO HEED THE FOLLOWING WARNINGS MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.

1. Herkules will not be held responsible for any personal injury and/or property damaged caused due to owner/operator failure to follow the warnings and cautions listed in this manual.
2. Read and understand all warnings, cautions and instructions before operating this equipment.
3. It is the owner/operators responsibility to maintain the legibility of all warning and instruction labels.
4. Do not alter or modify any part of this equipment.
5. DO NOT open the door while the unit is operating. Always wait for the crusher to cycle completely.
6. Crush only intended matter for the crusher.
7. Always wear safety glasses when operating the crusher.
8. Always wear suitable industrial gloves when handling crushed objects to prevent injury.
9. Check equipment regularly for proper operation, and repair or replace worn or damaged parts immediately.
10. Any crusher that appears to be damaged in any way, is badly worn, or operates abnormally must be removed from use until repairs are made. Use only manufacture's approved accessories and service parts.

Model Information



SPECIFICATIONS

Maximum crushing force	8,000 lbs.
Filter capacity	One heavy duty filter 3.75" dia. X 8" tall
Filter type	Automotive
Filter crush size reduction	Up to 80%
Residual oil removed from crushed filter	95%
Time to crush filter	45 seconds
Overall width	17"
Overall height (bench mount)	27"
Overall height (with floor mount kit)	57"
Overall depth	17"
Chamber width	15.5"
Chamber height	9"
Chamber depth	15.5"
Required air pressure	90 - 120 p.s.i.
Required air flow	20 cfm
Total weight	150 lbs.

Filter Specifications:

3.75" maximum filter diameter (single)
8" maximum height

Model OFC6 crusher is capable of crushing **one** filter under 8" tall per cycle. The crusher is designed for automotive and light truck shops to crush and dispose of used oil filters in an environmentally correct manner. The crusher provides the following features:

1. Powerful 4 ton air bag crushing technology assures the force necessary to do the job when crushing one filter.
2. Operates with external air only. No electric power is required.
3. Door is equipped with device to prevent unintended crusher motion when door is open, to protect the operator.
4. Removes 95% of residual oil from oil filter.
5. Easy collection of oil drain off.
6. One oil filter capacity.

Important Instructions



1. Read this manual thoroughly before installing, operating, or maintaining this crusher.
2. Following the installation of this crusher, this manual is to be delivered to the owner of the crusher.
3. Read the anchor bolt instruction page before drilling and installing the anchor bolts (customer supplied).
4. The troubleshooting and maintenance procedures described in this manual can be done by the user. Any other procedures should be done only by trained crusher service personnel.
5. Herkules will not be held responsible for any personal injury and/or property damage due to owner/operator failure to follow the warnings and cautions listed in this manual.
6. Do not operate crusher with defective Control assembly.

Installation

Read this manual thoroughly before installing, operating, or maintaining this crusher.

DO NOT attempt to operate the unit while on a skid. The initial crush of the oil filter will cause the unit to move or jump if not secured properly. The crusher must be anchored to the floor or bench before operating.

1. Determine where the crusher is to be installed. Make sure there is enough room in front of, and on the sides of, the crusher.
2. Anchor the unit to the bench (or floor) using 1/2" diameter hardware.
3. Connect external air supply to the unit.
4. Place a waste oil collection receptacle underneath the unit, centered under the drip pan hole.

OWNER/OPERATOR RESPONSIBILITY

It is the owner/operator's responsibility to properly use and maintain this equipment.

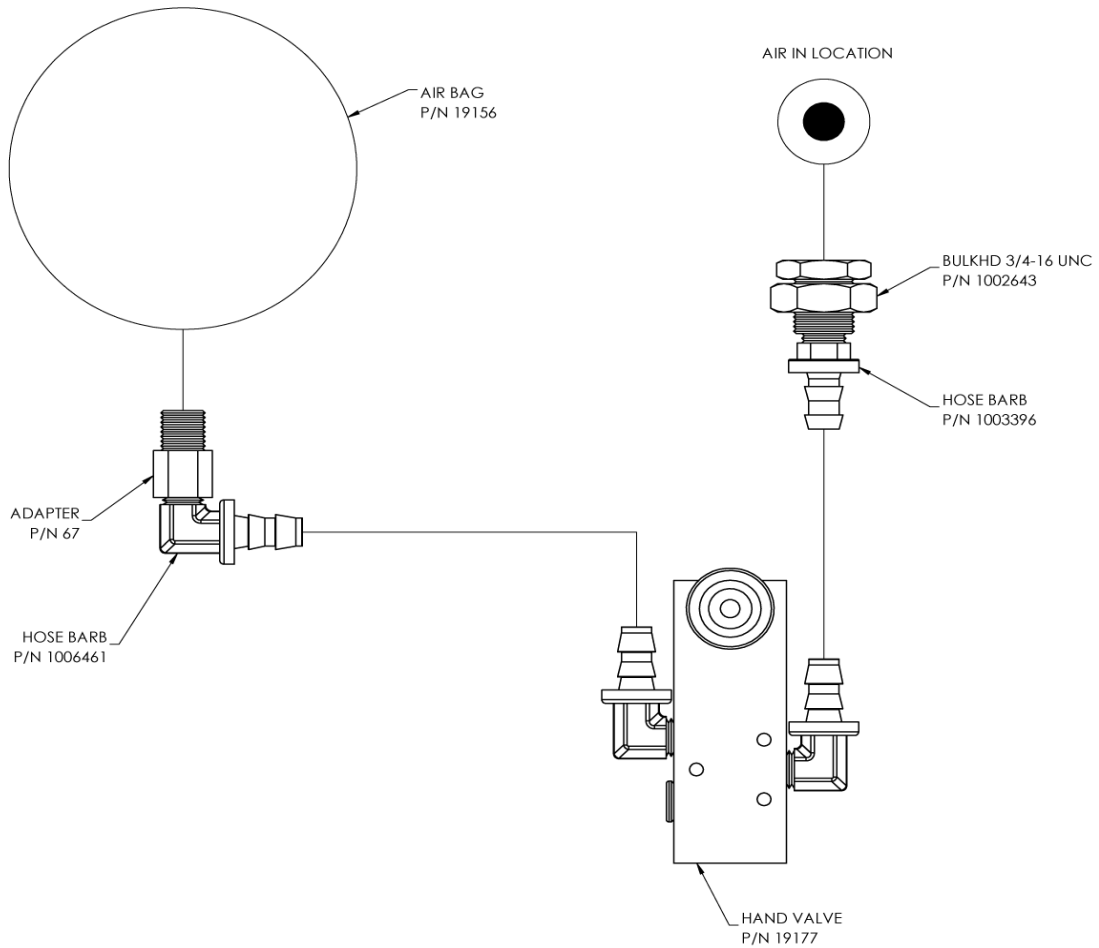
The instructions and warnings contained in this manual shall be read and understood by the owner/operator prior to operating this equipment.

If an owner/operator does not understand English, the contents of this manual shall be explained in the owner/operator native language to assure the owner/operator comprehends.

It is the owner/operator responsibility to maintain the legibility of all warning and Instruction labels.

The owner/operator shall retain this manual for future reference to important warnings, operating and maintenance instructions.

Schematic



Operation

1. Connect the external air supply.
2. Push on Pin Button and swing the door open to gain access to the crushing chamber.
3. Place a single oil filter to be crushed gasket side down on the screen with the filter centered on bolt head.
4. Close the door (allowing the pin button to securely latch the door closed).
5. Places the hand valve lever in the UP (Crush) position.
6. Wait until the yellow indicator rod stops.
7. Place the hand valve lever in the DOWN (Return) position.
8. Wait until the yellow indicator rod stops.
9. Depress Pin Button and open door.
10. Remove the crushed oil filter and dispose of it in an environmentally correct manner.
11. Close the door.



WARNING

The crushing ram plate will stop moving when the door is opened. Wait until the ram plate stops before placing hand in chamber.



WARNING

A crushed oil filter may have jagged metal edges. Use good industrial work gloves to protect the hands when removing a crushed oil filter.

Maintenance

1. Regularly check the waste oil drain to prevent oil backing up in the crusher cabinet and causing an oil spill.
Clean, repair as required.
2. Regularly clean the crusher chamber to remove any accumulated oil sludge, metal particles or any other debris that could affect the crusher operation or block the waste oil drain system.
3. Apply 10W oil to door hinges on a regular basis to prevent the door from binding.
4. Check the set screw tightness on the door and hand valve lock-out periodically.
5. Check tightness of the 3/4" nuts located beneath the dome.

Safety Tips

WARNING

Read all instructions.

INSPECT your crusher daily. Never operate if it malfunctions or if it has broken or damaged parts. Repairs should be made with original equipment parts.

Operating controls are designed to close when released. Do not block open or override them.

NEVER overload your crusher.

ONLY trained and authorized personnel should operate this crusher.

ALWAYS keep crusher area free of obstructions, grease, oil, trash and other debris.

ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistance lenses; they are not safety glasses.

ALWAYS WEAR SUITABLE INDUSTRIAL GLOVES when handling crushed objects to prevent injury.

To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).

Use only as described in this manual. Use only manufacturer's recommended attachments.

ALWAYS DISCONNECT AIR SUPPLY AND PURGE ALL AIR FROM THE CRUSHER PRIOR TO PERFORMING ANY MAINTENANCE OF THIS CRUSHER.

POST THESE SAFETY TIPS WHERE THEY WILL BE A CONSTANT REMINDER TO YOUR CRUSHER OPERATOR. FOR INFORMATION SPECIFIC TO THE CRUSHER, ALWAYS REFER TO THE CRUSHER MANUFACTURER'S MANUAL.

It is the owner/operators responsibility to maintain the legibility of all warning and instruction labels.

DO NOT alter or modify any part of this equipment.

DO NOT operate crusher while person(s) are on the unit.

Recommendation for mounting this crusher:

To anchored bench: 3/8" hardware (Qty. 3 - hex bolt, washer, & locking nut)


To floor: 1/2" anchor bolts (Qty. 3)


ALWAYS check equipment regularly for proper operation and repair or replace worn or damaged parts immediately.


ALWAYS remove damaged crushers from service until repairs are made to the unit. Use only manufacturer's approved parts and accessories.

DO NOT REMOVE LABELS. REPLACE IF DAMAGED.

Troubleshooting Chart

 **Warning** There is a danger of personal injury during repair by moving crusher parts.

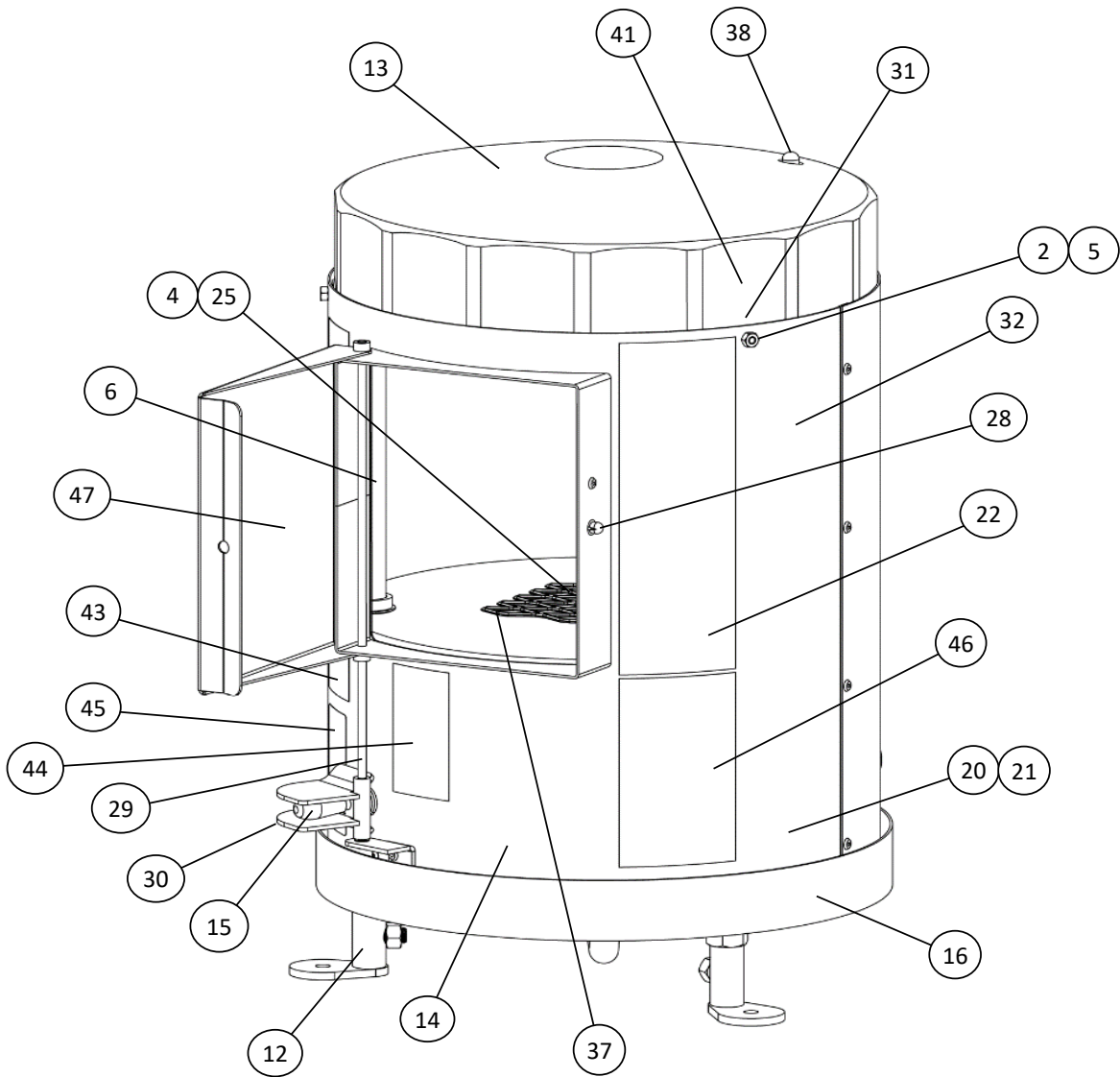
 **Warning** Competent, trained, and instructed staff may perform repair and maintenance work only.

 **Warning** Follow all safety instructions during maintenance work.

Troubleshooting Check List

Kind of trouble	Possible causes	Action Required
Will not crush as specified	No incoming air/low pressure	Must supply 90 - 120 psi at intake fitting
Oil leaking from pan	3/4-10 nuts may be loose	Check tightness of 3/4-10 nuts at top plate
Air leaking sound without crushing	Air bag or hose damage	Air bag or hose replacement Consult with manufacturer
Unit jumps while crushing	Loose or insufficient anchorage	Tighten anchor bolts
Plate nut not retracting enough	Internal debris	Disconnect air and inspect interior for debris
Door/air switch interlock not operating	Set screw may be loose	Reposition and tighten the set screws in the part
Top plate moving during crusher operation	3/4-10 nuts may be loose	Tighten the 3/4-10 nuts located beneath the dome

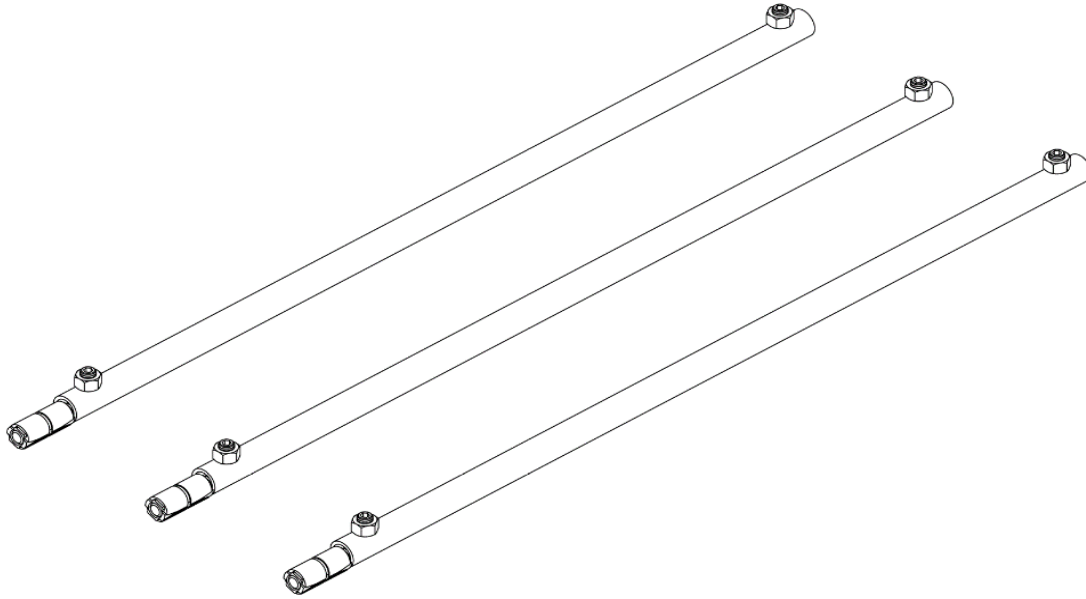
OFC6 Parts Layout



OFC6 Parts Layout

Part#	Description	Qty.	Unit
1 67 (Not Shown)	Adapter 1/4 NPT Brass	1	EA
2 84	Nut Hex 1/4-20 Z	3	EA
3 85C (Not Shown)	Washer Lock 3/8 Z	2	EA
4 85E (Not Shown)	Washer Flat 3/8 USS Z	1	EA
5 001-702	Bolt Hex 1/4-20 X 1/2 Z	3	EA
6 002-172 (Not Shown)	Nut Nylock 8-32 Z	3	EA
7 008-246 (Not Shown)	Screw BHSC 8-32 X 1-1/2 Black	3	EA
8 100-099 (Not Shown)	Rod Threaded 3/4-10 x 22.88" LG	3	EA
9 100-420	Tube Round 1 x .12 Wall x 13.50" LG	3	EA
10 100-651 (Not Shown)	Tube Round 1-5/16 x 4.256" LG	3	EA
11 18970 (Not Shown)	Yoke Guide Plate Assembly	1	EA
12 18974	Bench Foot Weldment	3	EA
13 18981	Crusher Dome Assembly	1	EA
14 19156 (Not Shown)	Air Bag Assembly	1	EA
15 19177	OFC6 Hand Valve	1	EA
16 19197	Drip Pan With Drain Tube	1	EA
17 1000714 (Not Shown)	Sticker Serial / Model Number	1	EA
18 1001192 (Not Shown)	Bolt Hex 3/8-16 x 1-1/2" LG	2	EA
19 1001229 (Not Shown)	Nut Hex 3/4-10	6	EA
20 1001869 (Not Shown)	Hose 3/8 ID Rubber	1	EA
21 1001869 (Not Shown)	Hose 3/8 ID Rubber	1	EA
22 1002404	Sticker - WARNINGS	1	EA
23 1002643 (Not Shown)	Bulkhd 3/4-16UNS	1	EA
24 1003396 (Not Shown)	Hose Barb PTL 3/8	1	EA
25 1004822	Bolt SHCS 3/8-16 x 1" LG	1	EA
26 1005082 (Not Shown)	Screw Set Cup 1/2-13 X 3/4	3	EA
27 1006461 (Not Shown)	Hose Barb PTL 90	1	EA
28 1010053	Pin Button	1	EA
29 1010054	Solid Round 1/4 OD x 16.81" LG	1	EA
30 1010055	Controls Lockout Weldment	1	EA
31 1010063 (Not Shown)	Bracket 1-3/4 x 1-1/4 x 1	1	EA
32 1010067	Outer Shell Assembly	1	EA
33 1010191 (Not Shown)	Guide Yoke Tube	3	EA
34 1010193 (Not Shown)	Plate Round 15.5 OD x 1/2	1	EA
35 1010194 (Not Shown)	Plate Round 15.5 OD x 1/2	1	EA
36 1010196 (Not Shown)	Plate Round 15.5 OD x 1/2	1	EA
37 1010197	Spacer Expanded Metal 5 x 6	1	EA
38 1010201	Indicator Rod 1/2 OD x 15" LG	1	EA
39 1010202 (Not Shown)	Ring Retaining External	2	EA
40 1010203 (Not Shown)	Ring Retaining External	6	EA
41 1010207 (Not Shown)	Clip - Crusher Dome	3	EA
42 1010208 (Not Shown)	Spacer 3/8 OD x 1/4" LG	3	EA
43 1010211	Sticker - Herkules	1	EA
44 1010213	Sticker - OIL FILTER CRUSHER OFC6	1	EA
45 1010214	Sticker - UP / DOWN	1	EA
46 1010216	Sticker - WARNINGS	1	EA
47 1010217	Sticker - CRUSHER Decal	1	EA
48 1010401 (Not Shown)	Washer Bonded Sealing 3/4"	3	EA

OFC6 Available Options



Floor Mount Kit #18969

Part#	Description	Qty.	Unit
18969	Floor Mount Kit	1	EA

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