



Made in USA

by **herkules**

OWNERS MANUAL



INSTRUCTIONS

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

Oil Filter Crusher - OFC7



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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Warning Symbol



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

Caution Symbol



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

Limited Liability Warranty

The limited liability warranty applies to the pneumatic chambers of our Herkules crushers and to the initial user against defected materials for a period of one year from the proof of purchase date. The limited liability warranty applies to other components of our Herkules crushers to the initial user against defective materials for a period of one year from the proof of purchase date.

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 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 number (Return 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 the cause of 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.

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.

FAILURE TO HEED THE FOLLOWING WARNING 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. Prior to performing any maintenance on this crusher, the plunger **MUST BE** in the **DOWN** position with all air pressure released from the system!
10. Check equipment regularly for proper operation and repair or replace worn or damaged parts immediately.
11. Any crusher that appears to be damaged in any way, is badly worn or operates abnormally shall be removed from use until repairs are made. Use only manufacture's approved accessories and service parts. Contact a factory authorized service center for repairs.

Model Information



SPECIFICATIONS

Maximum crushing pressure	35,000 lbs.
Filter capacity	One heavy duty filter or four auto filters
Filter type	Heavy duty
Filter crush	Up to 80%
Residual oil removed from crushed filter	95 - 98%
Time to crush filter	35 - 55 seconds
Overall width	28-5/16"
Overall height	60-7/8"
Overall depth	27-5/8"
Chamber width	9-1/2"
Chamber height	14-3/4"
Chamber depth	9-1/2"
Required air pressure	70 p.s.i.
Required air flow	44 cfm
Total weight	575 lbs.
<u>Filter Specifications:</u>	
8" maximum filter diameter (single)	
12" maximum height	

Model OFC7 crusher is capable of crushing four filters at one time or one large heavy duty oil filter. 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 17.5 ton air bag crushing technology assures the force necessary to do the job when crushing four filters.
2. Operates with external air only. No electric power is required.
3. Safe locked door protects operator.
4. Removes 95-98% of residual oil from oil filter.
5. Easy collection for oil drain off.
6. Four 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 / user / employer of the crusher.
3. Read the anchor bolt instruction page before drilling and installing the anchor bolts.
4. The troubleshooting and maintenance procedures described in this manual can be done by the crusher's owner / employer. Any other procedure 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(s) will cause the unit to move or jump if not secured properly. The crusher must be anchored to the floor before operating.

1. Determine where the crusher is to be installed. Make sure there is enough room in front, and on the sides of the crusher.
2. The back of the crusher **must** be placed against a wall for safety in the event of an air bag failure.
3. Anchor the unit to the floor using 1/2" diameter hardware.
4. Connect external air supply to the unit.
5. Place a waste oil collection receptacle underneath the unit centered about the drip pan hole.

OWNER/OPERATOR RESPONSIBILITY

It is the owner/operator 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.

TYPICAL DUTY CYCLE

3 shifts / day
8 hours / shift
7 days / week
100 cycles / day
50 weeks / year
35,000 cycles / year

OPERATION

1. Connect the external air supply.
2. Lift the door latch and pull the door down to gain access to the crushing chamber.
3. Place the oil filter(s) to be crushed gasket side down on the bottom of the crushing chamber. Arrange the filters as follows:

<u>Quantity & Type</u>	<u>Position</u>
(1) Heavy duty filter	Center of ram plate
(1) Auto filter	Center of ram plate
(2) Auto filters	Opposite corners
(3) Auto filters	(2) in back corners and (1) in front center
(4) Auto filters	(2) in back corners and (2) in front corners

4. Close the door and pull the door latch down securely.
5. Places the hand valve lever in the UP position.
6. Wait until the yellow indicator rod stops.
7. Place the hand valve lever in the DOWN position.
8. Wait until the yellow indicator rod stops.
9. Lift door latch and open door.
10. Remove the crushed oil filter and dispose of it in an environmentally correct manner.



WARNING

The crushing mandrel may be still moving when the door is opened. Wait until the mandrel 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. Prior to performing any maintenance on this crusher, the plunger MUST BE in the DOWN position with all air pressure released from the system!
2. Remove air line from crusher - ONLY when step #1 has been completed!
3. Regularly check the waste oil drain to prevent oil backing up in the crusher cabinet and causing an oil spill. Clean, repair as required.
4. 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.
5. Apply grease to door hinges on a regular basis to prevent the door from binding.
6. Apply motor oil to door latch pivot points on a regular basis to prevent latch from binding.
7. Unscrew crusher from floor and pull away from the wall to gain access to the back of the crusher when needed.

SAFETY TIPS



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 do operation of 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.

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 DRAIN ALL AIR PRIOR TO 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.

Recommended to anchor this crusher to the ground with (4) 3/4" lag bolts.

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

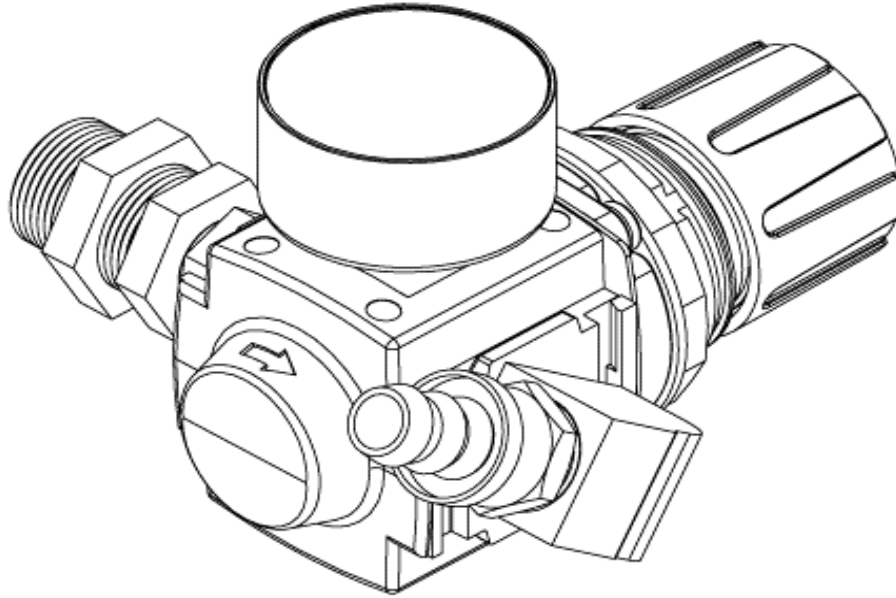
ALWAYS remove damaged crushers from service until repairs are made to the unit. Use only manufacturer's approved parts and accessories.

DO NOT REMOVE LABELS. REPLACE IF DAMAGED.

Bill of Materials

No.	Description	Quantity	Units
83E	BOLT HEX 1/2-13 X 3/4 GD 5 Z	1	EA
83F	BOLT HEX 1/2-13 X 1 GD 5 Z	2	EA
84L	NUT NYLOCK 5/16-18 Z	4	EA
85B	WASHER 1-1/2 X 1 NYLON	1	EA
85D	WASHER FLAT 1/2 SAE MIN TH .110 Z	2	EA
85H	WASHER LOCK 1/2 Z	2	EA
M6A	ELBOW 3/8 NPT	1	EA
12086	VALVE ASSY HAND LIFT VM	1	EA
18469	VALVE P3 POS2 2 WAY ASSY	1	EA
18738	AIRBAG WELDMENT DBL 8 BAR	1	EA
18768	CRUSHER FRAME WELDMENT 27.7 X 27.8 X 60	1	EA
18769	PISTON WELDMENT 9 X 9 X 9.31 X 20.5	1	EA
18771	HANDLE WELDMENT FOR CRUSHER	1	EA
18773	SPACER WELDMENT 15 OD X 5.62 ID X 1.0	1	EA
1000315	ELBOW 1/2 NPTF Z	1	EA
1001229	NUT HEX 3/4-10 PLAIN	1	EA
1001902	DECAL HERKULES WHITE 2.68 X 12.88	1	EA
1001941	WASHER FLAT 3/4 SAE Z	2	EA
1002404	STICKER WARNING INSTRUCTIONS	1	EA
1002644	BULKHEAD FITTING	1	EA
1003120	HOSE BARB PTL 1/2 X 3/8 NPT	1	EA
1003586	HOSE BARB PTL 1/2 X 1/2 NPT	1	EA
1005500	NIPPLE 1/2 NPT X 1-1/2 BRASS	1	EA
1007672	STICKER WARNING DON'T CRUSH AEROSOL/GAS CONT.	1	EA
1007685	STICKER WARNING HAND CRUSH	1	EA
1009592	BOLT HEX 3/4-10 X 10 GD 5 Z	1	EA
1009596	BACK COVER 26.87 X 31.68 X 18 GA	1	EA
1009980	VINYL AIRBAG COVER	1	EA
1009981	INDICATOR ROD 1/2 OD X 19.50"	1	EA
1009987	SQUARE U-BOLT 5/16-18 X 2 X 3	2	EA
1009988	SCREW BHSC 8-32 X 6 BLACK	2	EA
1010009	ROUND PLUG 5" DIAMETER	1	EA
1010010	ROUND PLUG 3/4" DIAMETER	1	EA
1010214	STICKER CRUSHER UP-DOWN 2 X 4 (LAM)	1	EA
1010217	STICKER CRUSHER DECAL 4.25 X 5.25 (LAM)	1	EA
1010392	STICKER WARNING INSTRUCTIONS 3.63 X 6.25 (LAM)	1	EA
008-112	BOLT HEX 5/8-11 X 1-1/4 Z	1	EA
008-353	CHAIN 1.5 X .19 GALV	16	IN
008-384	ANCHOR DOUBLE 1/2-13 X 2-1/2	4	EA
008-385	BOLT HEX 1/2-13 X 2-1/2 GD Z	4	EA
009-124	WASHER FLAT 5/8 SAE Z	1	EA
100-332	HOSE 1/2"	16	IN
100-332	HOSE 1/2"	13	IN
100-332	HOSE 1/2"	29	IN

OFC7 AVAILABLE OPTIONS



Regulator Kit #19945

DET#	PART#	DESCRIPTION	Qty. Per Assembly	Qty. Per Crusher	UNITS
1	19945	REGULATOR KIT	1	1	EA
	Assy				
	Includes:	18828	1	1	EA
		1003586	1	1	EA
		REGULATOR			
		HOSE BARB 1/2 X 1/2NPT			