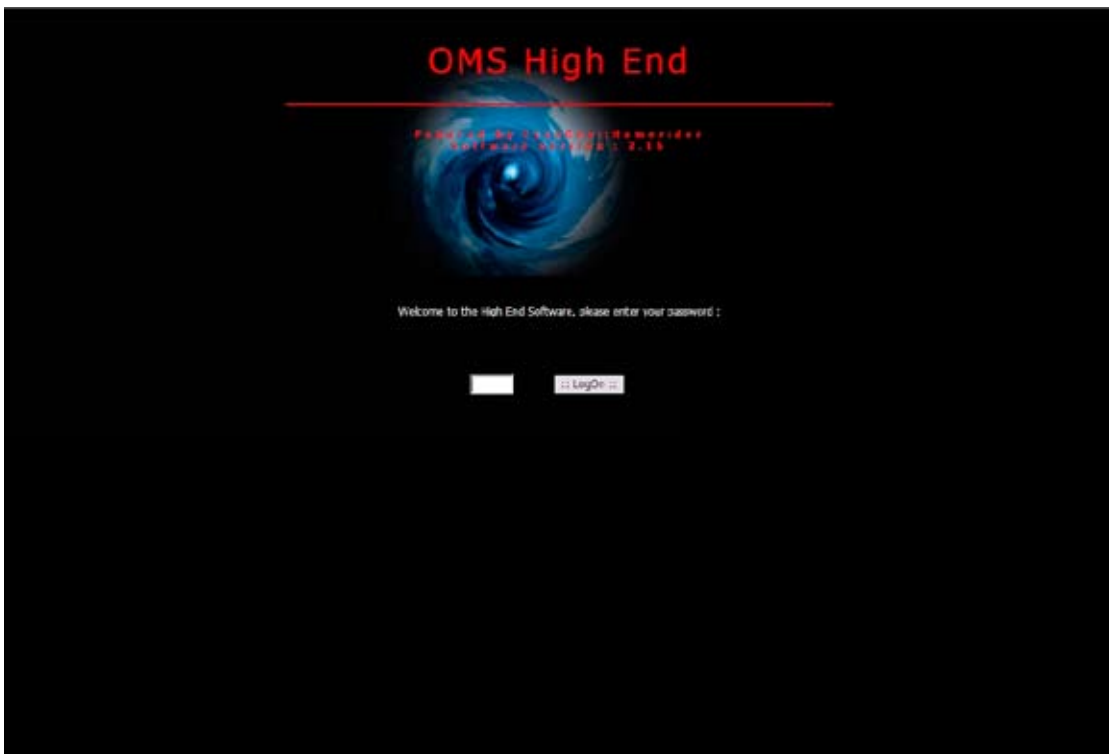




---

**FUSION**  
**Fluid Management System**  
**Operators Manual**  
**Model 3110-013**



**Thoroughly read and understand this manual before installing, operating or servicing this equipment.**

# Disclaimer

The user/purchaser is expected to read and understand the information provided in this manual, follow any listed Safety Precautions and Instructions and keep this manual with the equipment for future reference.

The information in this manual has been carefully checked and is believed to be entirely reliable and consistent with the product described. However, no responsibility is assumed for inaccuracies, nor does Balcrank Products, Inc. assume any liability arising out of the application and use of the equipment described.

Should the equipment be used in a manner not specified by Balcrank Products, Inc., the protection provided by the equipment may be impaired.

## Questions or Service Assistance

If you have questions regarding the product or this document contact:

Balcrank Products, Inc.  
115 Reems Creek Rd.  
Weaverville, NC 28787

Telephone: (828) 645-4261  
(800) 747-5300

Fax: (828) 658-0840  
(800) 763-0840

On the Web: [www.balcrank.com](http://www.balcrank.com)  
or call your local Balcrank Products, Inc. representative.

## Product Identification Information

Record the product identification numbers from the nameplate here.

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Tag Number \_\_\_\_\_ (if applicable)

## Table of Contents

Disclaimer .....	Inside Front Cover
Questions or Service Assistance.....	Inside Front Cover
Product Identification Information .....	Inside Front Cover
System Start Icon .....	4
Log On Window for Fluid Management System .....	4
Navigating the System .....	4
Quit.....	4
Completed WO Window .....	5
Dispense Window .....	6
Pending WO Window .....	7

## System Start Icon

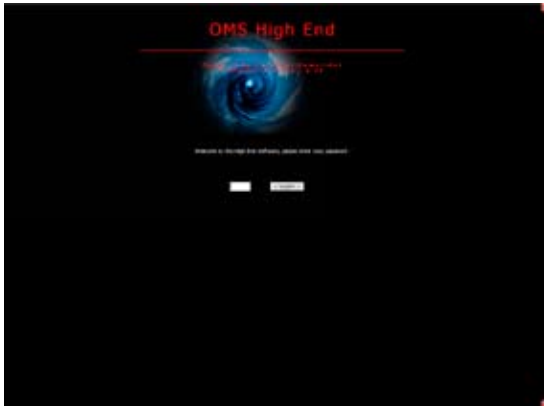
To start the Fluid Management System double click on the icon, shown below, on your desktop.



## Log On Window for Fluid Management System

To log on to the Fluid Management System.

1. Put your four (4) digit operator password in the box
2. Click on Logon



## Navigating the System

To navigate through the system there is a list of window options in the upper left-hand corner. An operator gains access to these windows by clicking on the appropriate option.



These windows are:

1. Dispense
2. Completed WO
3. Pending WO
4. Quit

**NOTE:** *REPORT BY WO and Completed WO windows are the same.*

## Quit

Clicking Quit logs the operator out of the Fluid Management System and returns the operator to the PC Logon Screen.

Clicking on the X in the upper right hand corner closes the program. The operator needs to click on the Start icon to re-start the Fluid Management System.

## Completed WO Window

The Completed WO window displays completed work order information.

Id WO	Date - Time	AN Field	Qty	Error1	Error2	Error3	User	Fluid	Hose

The table Displays:

1. Id WO - Identification of the Work Order completed
2. Date-Time - Date and time the Work Order was dispensed
3. AN Field - Auto registration or license number, optional
4. Qty - Quantity of the fluid dispensed
5. Error 1, 2, 3 - Possible system errors
6. User - Operator Name
7. Fluid - Fluid type dispensed
8. Hose - Meter number used to dispense fluid

The information displayed is based on current Work Order history in the database. Data can not be modified from this window.

The table can be sorted by any title.

Click on a title; Date - Time, User, Fluid, etc.; to sort by that title.

Id WO	Date - Time	AN Field	Qty	Error1	Error2	Error3	User	Fluid	Hose
152	20-Jan-06 - 13:44		5.000	0	0	0	R BOYLE	10W40	1

The report records errors. Click on the Error code definitions button to see the definitions. Nine (9) possible errors are programmed into the system.



For more information about Error Codes, see the Fluid Management System, Supervisor Manual.

## DISPENSE Window

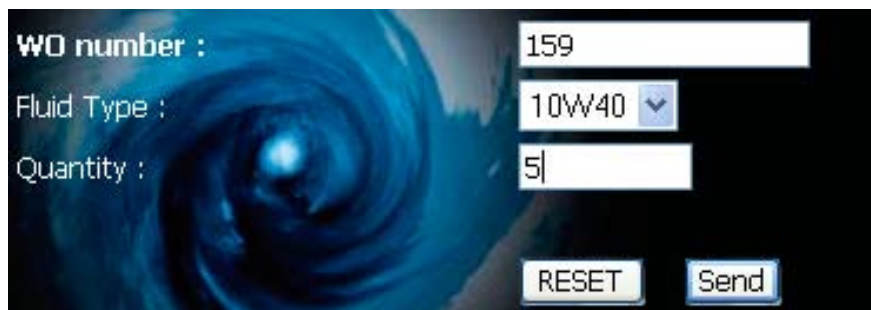
Dispense is the normal operation window.



In the Dispense window the WO number, Fluid Type, and Quantity are entered for fluid delivery.

1. Enter the Work Order number in the top line
2. Select the proper fluid from the pull down menu
3. Enter the fluid quantity in the bottom Line
4. Click on the Send button

By clicking on the Send button the Work Order is queued in the system. The Work Order can then be retrieved from a Dispense Keypad.

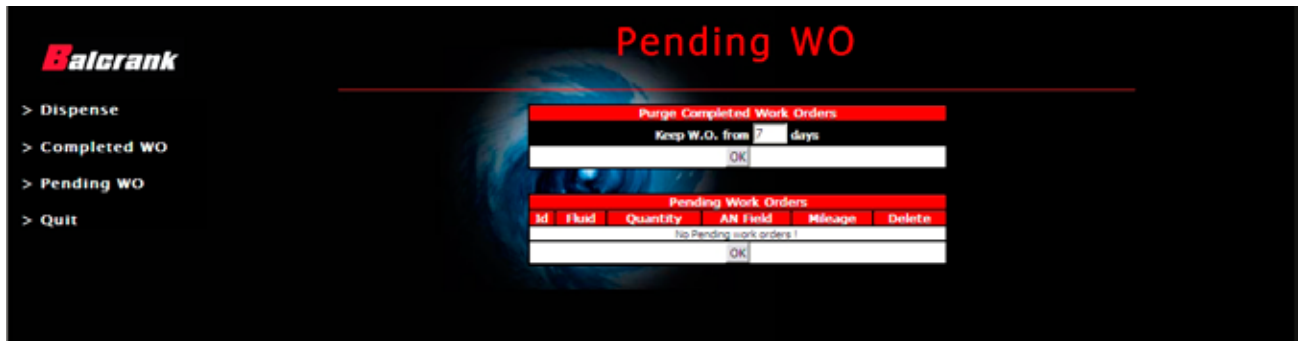


To clear data being entered, click the RESET button.

**NOTE:** See the *Dispense Keypad Manual* for instructions on how to retrieve a Work Order.

## Pending WO Window

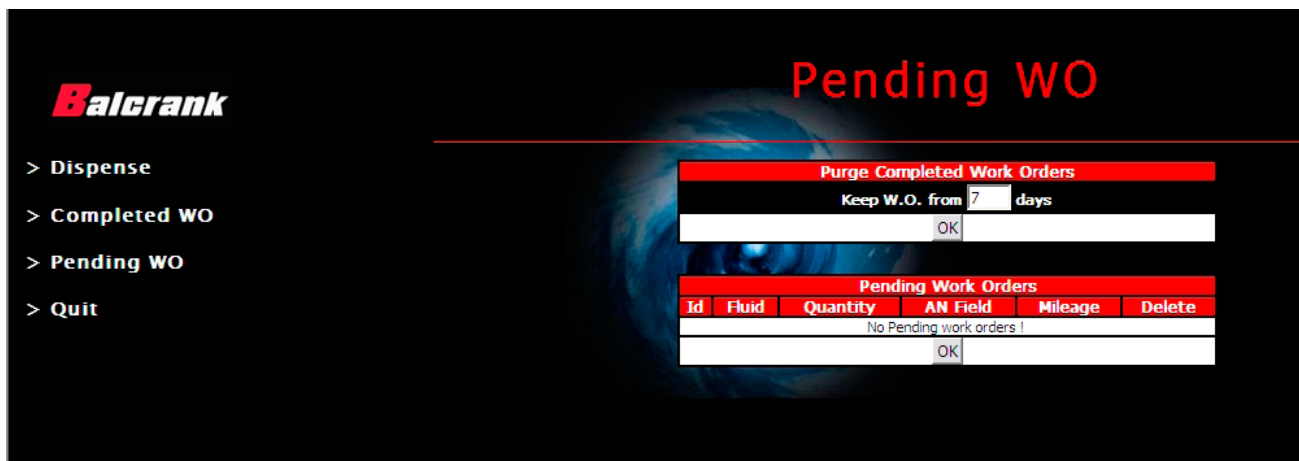
The Pending WO window has two tables:



1. The Purge Work Orders table allows the operator to set how many days to keep completed work orders in the system.

The operator can purge Completed Work Orders by:

- a) Changing the number of days in the "Keep WO from -- days" box
- b) Clicking OK
- c) The purged work orders are removed from the system.



2. The Pending Work Order table displays all orders in the system that are to be worked on. Once the WO is completed, it is moved to the Completed Work Order window.

The operator can delete any Pending Work Order by:

- a) Checking the Pending Work Order Delete box
- b) Clicking on OK

## Balcrank Lubrication Equipment Warranty Statement

All Balcrank equipment sold by authorized Balcrank distributors is warranted to their original customer to be free from defects in materials and workmanship for a period of one year from the date of sale to that customer. Selected Balcrank equipment carries warranty terms for a more extended period as defined in the Balcrank Lubrication Equipment & Accessories User Price List, wherein a "lifetime" warranty represents a warranty period of thirty years. Within the initial one-year warranty period, Balcrank will repair or replace all Balcrank equipment determined by Balcrank to have defective materials or workmanship. For equipment carrying more extended warranties, Balcrank will repair or replace the product including parts and labor during the first full year and will provide parts only for the remainder of the warranty period.

This warranty applies only to equipment installed and operated according to applicable Balcrank Service Bulletins and Installation Instructions.

Any equipment claimed to be defective must be returned, freight prepaid, to an Authorized Balcrank Service Center (ASC). Upon receiving candidate warranty equipment from a customer, ASC will: 1) diagnose to determine the warrantable condition of the equipment, 2) submit, prior to repair or replacement, a request to Balcrank for warranty authorization, then 3) in cooperation with Balcrank, proceed with repair locally or forward the equipment to Balcrank and obtain replacement. If the part(s) or equipment items are found defective upon inspection by Balcrank, they will be repaired or replaced, and then will be returned to the ASC. If Balcrank finds the claimed part(s) or equipment not to be defective, the ASC will receive written authorization from the original customer, and then repair them for a reasonable charge to the customer, which will include all applicable parts, labor, and return transportation costs.

Optionally, the customer may submit certain eligible products directly to Balcrank for warranty return by using Balcrank Lubrication Equipment Direct Service Warranty Procedure. Eligible products are defined in the Balcrank Lubrication Equipment & Accessories User Price List. Refer to the Balcrank web site [www.balcrank.com](http://www.balcrank.com) for a copy.

Any equipment returned to Balcrank must have the Warranty Service Claim number (WSC#) clearly marked on the outside of the carton. Balcrank's sole responsibility is for defects in material and workmanship, and Buyer's sole and exclusive remedy hereunder, shall be limited to repair or replacement of the defective part or equipment.

This warranty does not cover, nor shall Balcrank be liable for repair or replacement of parts or equipment resulting from general wear and tear through use, or damage or failure caused by improper installation, abuse, misapplication, abrasion, corrosion, insufficient or improper maintenance, negligence, accident, alteration, or substitution of non-Balcrank parts.

Furthermore, the Warranty for Lubrication Equipment and Accessories does not cover the following specific conditions:

- Failure or damage to equipment caused by dirt or debris in compressed air lines and fluid lines. This includes, but is not limited to, clogged inlet filters, strainers, or regulators; fluid meters; control handles; fluid tips; and valves.
- Failure of normal wear parts including but not limited to: o-rings, packings, seals and valves unless originally improperly installed by the factory.
- Products placed in applications for which their use was not intended. Examples include but are not limited to Lubricant pump being used to pump solvents, or placing equipment intended strictly for indoor use outdoors
- Damage to equipment resulting from operation above and beyond Balcrank's recommendations.
- Leaks at air and fluid fittings and connections.
- Damage caused by thermal expansion whenever adequate pressure relief was not included in the system.
- Loose suction tubes on pumps.
- Incorrect hose reel spring tension, requiring adjustment.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BALCRANK BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, OR OTHER DAMAGES OF SIMILAR NATURE, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST PRODUCTION, PROPERTY DAMAGE, PERSONAL INJURY, WHETHER SUFFERED BY BUYER OR ANY THIRD PARTY, IRRESPECTIVE OF WHETHER CLAIMS OR ACTIONS, LEGAL OR EQUITABLE, FOR SUCH DAMAGES ARE BASED UPON CONTRACTS, WARRANTY, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE. ANY CLAIM OR ACTION FOR BREACH OF WARRANTY MUST BE BROUGHT WITHIN TWO (2) YEARS FROM THE DATE OF SALE TO THE ORIGINAL CUSTOMER.

Balcrank® Corporation  
Weaverville, NC 28787  
800-747-5300  
800-763-0840 Fax  
[www.balcrank.com](http://www.balcrank.com)

Distributed by:

*Revision Log*  
New Release - 12/07  
Rev A - 12/08 - Updated images on pages 4, 5, 6, & 7.  
Updated warranty statement

SERVICE BULLETIN SB3064  
Rev A 12/08  
832443