



ORCHESTRA

Barrel Management Console



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Concepts

Summary

The Barrel Management Console in Orchestrated provides a central place for you to manage your barrels and liquids. It's designed to consolidate items so that the information in Orchestrated mirrors how you already track your inventory.

Two become one

There are two main parts (items) that flow through the Barrel Management Console (BMC).

1. The Barrel Shell - wooden or not; whatever holds the liquid
2. The Barrel Aged Liquid - stouts, spirits, or hats; whatever goes in the barrel

In the BMC, you're able to receive in empty or used barrels. You can fill the barrels and adjust as necessary. You can dump barrels into other barrels, blending tanks or straight into bottles. You can buy or sell filled barrels! The software will account for the costs associated with both the barrel and the held liquid.



Why?

Outside of the aging process, barrel shells and produced liquid live separate lives. But during the aging process, they need to be linked - and the BMC executes. Costing, history and actions are all covered from barrel/contents perspective. You manage a barrel and its contents together. When the time to part arrives, the barrel can be dumped providing you with aged liquid and an empty, used shell.

Having this information in one place allows you to easily get the information you need. The age of the contents, the type and size of the barrel, the position in your warehouse - all available through the BMC!



Overview of barrel management console

Summary

The Barrel Management Console has three tabs: Home, Management, and Setup. You should be able to manage all your barrel activities from within the BMC.

Home tab

The Home tab is your place to execute daily production activities. It's built like any other worksheet in the Orchestrated. Along the top are filters for the list of production orders below. The production order is a step in filling and dumping barrels, both of which can be executed from this window.

The screenshot shows the 'Barrel Management Console' interface. At the top, there are three tabs: 'Home' (highlighted with a red box), 'Management', and 'Setup'. Below the tabs are filters for 'Location', 'Distillery #1', 'Status' (set to 'Planned/Releas'), 'Start Date' (06/20/16), 'End Date' (07/08/17), and a 'Refresh' button. There are also 'Fill Barrels' and 'Dump Barrels' buttons. The main area contains a table of 'Production Orders' with columns: S, Tank, Pdo #, Item Code, Item Name, Brand, Batch, MPN, Prod Date, Prod Time, Plan Qty, Issued, and Received. The table lists various barrel types like 'Barrel Aged - American Whiskey' and 'Barrel Dump - American Whiskey' with their respective details.

S	Tank	Pdo #	Item Code	Item Name	Brand	Batch	MPN	Prod Date	Prod Time	Plan Qty	Issued	Received
R	BA01	10451	BA1001	Barrel Aged - American Whiskey	AW	AW15-170202	71	02/10/17	1000	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	BA01	10430	BA1001	Barrel Aged - American Whiskey	AW	AW15-170119	68	01/27/17	1400	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	BA01	10469	BA1001	Barrel Aged - American Whiskey	AW	AW15-170211	74	02/19/17	1000	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	BA01	10476	BA1001	Barrel Aged - American Whiskey	AW	AW15-170218	75	02/26/17	1400	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	BA01	10487	BA1002	Barrel Aged - Portlandia Bourbon	PB	PB6-170619	76	01/07/17	1922	100.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	BA01	10458	BA1002	Barrel Aged - Portlandia Bourbon	PB	PB6-170214	72	02/20/17	1200	200.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	HT99	10470	BL1001	Barrel Dump - American Whiskey	AW	AW15-170211	74	05/20/17	1000	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	HT99	10477	BL1001	Barrel Dump - American Whiskey	AW	AW15-170218	75	05/27/17	1400	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	HT99	10431	BL1001	Barrel Dump - American Whiskey	AW	AW15-170119	68	04/27/17	1400	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	HT99	10452	BL1001	Barrel Dump - American Whiskey	AW	AW15-170202	71	02/12/17	1000	180.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
R	HT99	10488	BL1002	Barrel Dump - Portlandia Bourbon	PB	PB6-170619	76	07/06/17	1922	100.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
P	HT99	10459	BL1002	Barrel Dump - Portlandia Bourbon	PB	PB6-170214	72	02/21/17	1200	200.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Management tab

The Management tab lists all your barrels with their current contents (if any) and associated data. There are a number of fields to filter the list by in case you have hundreds or thousands of barrels! You can select barrels from this list and perform several actions:

- **Receive:** bring barrels, filled or empty, into stock
- **Retire:** issue out barrels, filled or empty, from stock
- **Transfer:** by warehouse or just bin location
- **Dump:** select one or multiple barrels to dump
- **Add adjuncts:** Add fruit and other adjuncts to individual or multiple barrels
- **Adjust volume:** Ullage, Angel's Share...once gone, take note of it here
- **Print tags:** Print tags to place on your barrels
- **Edit:** general purpose edit



Barrel Management Console

Home Management Setup

Location Distillery #1 Age Years Contents Type Condition
+/- Months Warehouse Size Status

Barrel Summary

Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status	Fill Date	Age
ORC-1	PB2-151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	Used	Filled	10/15/15	1y 8m 0w
ORC-3	PB2-151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled	10/15/15	1y 8m 0w
ORC-4	PB2-151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled	10/15/15	1y 8m 0w
ORC-7			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Infected		
ORC-8			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-9			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-10			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Needs Cleaning		
ORC-11	AW15-170202-10451-1	AW	Non-Honey Comb	Barrel 53	123.000	53.000	65.19	Used	Filled	02/10/17	0y 4m 1w
ORC-12	AW15-170202-10451-2	AW	Non-Honey Comb	Barrel 53	123.000	53.000	65.19	Used	Filled	02/10/17	0y 4m 1w
ORC-13			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-14			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-15			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-16			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		
ORC-17			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty		

Setup tab

Before the barrel activities begin, some basic data must be setup! You can add and edit setup data as you continue to grow your business.

Barrel Management Console

Home Management Setup

Types Edit

Code	Name
C	Charred
G	Glued
Honey Comb	Honey Comb
Non-Honey Comb	Non-Honey Comb
P	Plain
PAR	Paraffined
PS	Steamed
R	Reused
REC	Recharred
STL	Steel

Sizes Edit

Code	Name	Size
BRL132	Barrel 132	132.00
BRL53	Barrel 53	53.00
BRL59	Barrel 59	59.00
BRL70	Barrel 70	70.00

Barrel Item Templates

Template Code	Template Name	ID Prefix	Type	Size	Condition	Status	Attribute 1
BRL2000	Barrels New 53 Gal #3 Char White Oak	ORC	Non-Honey Comb	Barrel 53	New	Available	3 Charred
BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	ORC	Non-Honey Comb	Barrel 53	Used	Empty	3 Charred



Barrel item setup

Summary

Before you jump into the Barrel Management Console (BMC), items must be setup. The first are your barrel contents (Barrel Aged liquid) - which should already be setup in your system for production.

The second are your barrel shells!

Why do I need to setup an item & create a template?

Excellent question! The item setup is necessary so that we can track the inventory within OBeer & OSpirits; it's also there so that we can use it on sales orders, purchase orders and other transactions. The Barrel Item Template (within Barrel Management Console) is necessary because that's what tells the system that the item is a barrel and to treat it differently from say... hats.

What are the most common stages of a barrel shell?

While there can be many stages in a barrel's life cycle, we recommended to setup 3 stages per size & type of barrel. The most common are:

- **"-NEW"** for a new barrel
- **"-FLD"** for a filled barrel
- **"-EMP"** or **"-USED"** for an empty, but not new, barrel

Item master data setup & configuration

The first step with setting up a Barrel Item Templates is to create one or more Item Master data records for the physical barrels that will be filled. To do this, you'll need to create an item master data that looks like the following screen shot:



The code is should begin with "BRL" followed by a number and the status. For example: 'BRL2000Filled.' Description should be more detailed, to include the shell's specific size and type. For example, 'Barrel-53Gal-Char4-FILLED'. You'll be able to see how many Filled, 53 Gal Char 4 barrels you have by creating this item. The above screenshot shows 'BRL2000-Empty', Description: 'Empty - Barrels 53 Gal #3 Char White Oak.'

This item will need to be

- Inventory item
- Sales item
- Purchase item
- Not batch managed
- Item Group - RM: Other

All three checkboxes in the upper right of the Item Master are checked and the "Manage Item by" field is set to 'None.'

Next you'll need to assign at least one warehouse to the barrel item. This warehouse represents the locations where barrels will be stored.



Gen... Purchasing D... Sales D... **Inventory D...** Planning D... Production D... Proper... Remarks Attachments Batches

Set G/L Accounts By **Item Group** Manage Inventory by Warehouse

UoM Name **Ea** Inventory Level
Weight Required (Purchasing UoM)
Minimum
Maximum

Valuation Method **Moving Average**

#	Whse Code	Whse Name	Locked	In Stock	Committed	Ordered	Available	Mi...
1	A1	Main Warehouse	<input type="checkbox"/>	73			73	
2	BA01	Barrel Aging Warehouse	<input type="checkbox"/>	17			17	
3	BL01	Blending Tank 01	<input type="checkbox"/>	5			5	
4	HT99	Holding Tank 99	<input type="checkbox"/>	3			3	
5			<input type="checkbox"/>					
				98			98	

You will setup an item for each stage. The setup is the same for each except for the **Item Code** and **Item Description**. For the afore mentioned three:

- "-NEW" for a new barrel - **BRL2000-New**
- "-FLD" for a filled barrel - **BRL2000-Filled**
- "-EMP" for an empty barrel - **BRL2000-Empty**

Note! You are not limited to these three states/items. These are the most common examples (our recommendation) and you should have at least these three. To save time, once the first 'BRL' item has been created, simply right-click and duplicate this item to make the rest!

Once you have your Barrel Contents (BA Liquid) & Barrel Shells entered as Item Master Data, you're ready to create your Barrel Item Templates, as explained in the next section.



BMC setup tab overview

Summary

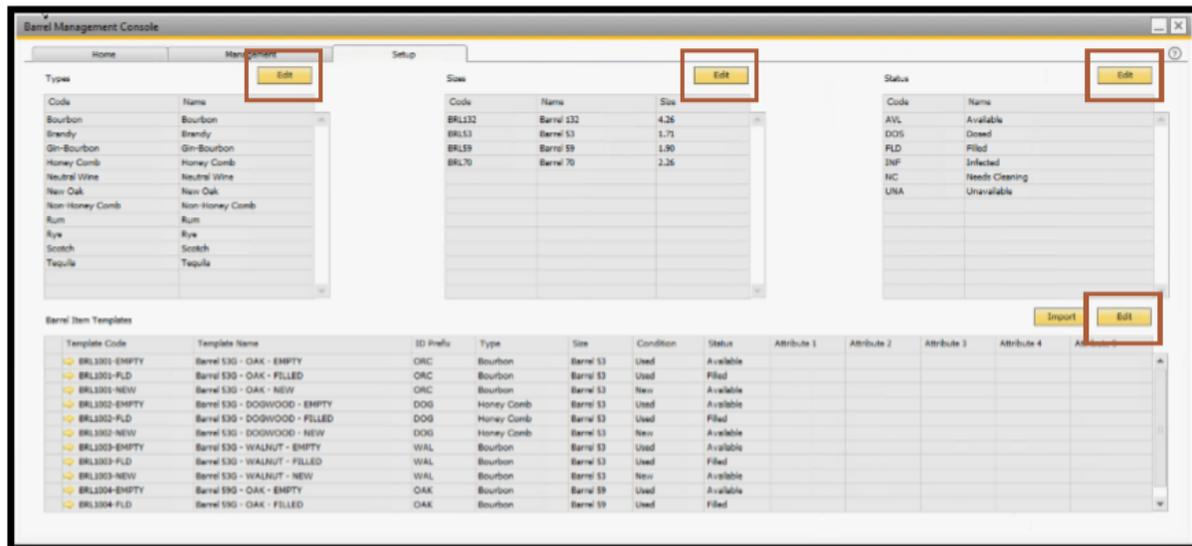
This section covers the setup of the Barrel Item Templates in the Barrel Management Console section of Orchestrated.

What is a barrel item template?

A barrel item template is how we define a barrel within OrchestratedBEER or OrchestratedSPIRITS. This is an item that represents the wood itself. Barrels have various stages of their life in production and so there are various "templates" to setup. These templates represent those stages. Liken them to a default, if you will.

Barrel management console - barrel template setup

Proceed to the Barrel Management Console. Go to Production > Production Forms > Barrel Management Console. From there click on the Setup tab.



To add or edit Type, Size or Status, click the 'Edit' button in the upper corner of each section.

To add Barrel Item Templates, click the 'Edit' button in the upper corner of the Barrel Item Templates section.

Populate your first item code (BRL2001-FILLED), then you'll need to enter an ID Prefix, then select the type, size, condition, and status. You may also choose to use the Attribute fields for additional data.

To edit or remove a template, highlight the particular template row and click Edit to open up the barrel template window.



Item Code	Item Name	ID Prefix	Type	Size	Condition	Status	Contents	Proof	Attr 1	Attr 2	Attr 3	Attr 4	Attr 5
BRL1001-EMPTY	Barrel 53G - OAK - EMPTY	ORC	Bourbon	Barrel 53	Used	Available		0.00					
BRL1001-FLD	Barrel 53G - OAK - FILLED	ORC	Bourbon	Barrel 53	Used	Filled		0.00					
BRL1001-NEW	Barrel 53G - OAK - NEW	ORC	Bourbon	Barrel 53	New	Available		0.00					
BRL1002-EMPTY	Barrel 53G - DOGWOOD - EMPTY	DOG	Honey Comb	Barrel 53	Used	Available		0.00					
BRL1002-FLD	Barrel 53G - DOGWOOD - FILLED	DOG	Honey Comb	Barrel 53	Used	Filled		0.00					
BRL1002-NEW	Barrel 53G - DOGWOOD - NEW	DOG	Honey Comb	Barrel 53	New	Available		0.00					
BRL1003-EMPTY	Barrel 53G - WALNUT - EMPTY	WAL	Bourbon	Barrel 53	Used	Available		0.00					
BRL1003-FLD	Barrel 53G - WALNUT - FILLED	WAL	Bourbon	Barrel 53	Used	Filled		0.00					
BRL1003-NEW	Barrel 53G - WALNUT - NEW	WAL	Bourbon	Barrel 53	New	Available		0.00					
BRL1004-EMPTY	Barrel 59G - OAK - EMPTY	OAK	Bourbon	Barrel 59	Used	Available		0.00					
BRL1004-FLD	Barrel 59G - OAK - FILLED	OAK	Bourbon	Barrel 59	Used	Filled		0.00					
BRL1004-NEW	Barrel 59G - OAK - NEW	OAK	Bourbon	Barrel 59	New	Available		0.00					

On the Setup tab, you can drill down into the Barrel Item Templates section. This screen shows the information for one-barrel item template.

Barrel Item Template	
ItemCode	BRL1001-EMPTY
ItemName	Barrel 53G - OAK - EMPTY
ID Prefix	ORC
Type	Bourbon
Size	Barrel 53
Condition	Used
Status	Available
Contents	
Proof	0.00
Attribute 1	
Attribute 2	
Attribute 3	
Attribute 4	
Attribute 5	



BMC management tab overview

Prerequisites:

- Barrel Item Templates are setup: Barrel Item Templates
- Barrels have been received into stock: Receiving Barrels

Step by step guide

Go to Production > Production Forms > Barrel Management Console, click on the Management tab.

The Barrel Summary matrix reflects each Barrel Master Data record that is in stock. The Barrel ID is the unique Orchestrated code for each barrel.

Barrel Management Console

Home Management Setup

Location **Brewery #1** Age Years Contents
+/- Months Warehouse

Barrel Summary

Barrel ID	Batch ID	Brand	Type	Size	Vol	Condition	Status
ORC-1	POR12-12548-1	BAPOR	Bourbon	Barrel 53	0.96	Used	Filled
ORC-7	POR12-12548-2	BAPOR	Bourbon	Barrel 53	0.96	Used	Filled
ORC-8	POR12-12548-3	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-9	POR12-12548-4	BAPOR	Bourbon	Barrel 53	0.71	Used	Filled
ORC-10	POR12-12548-5	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-11			Bourbon	Barrel 53	0.00	New	Needs Cleaning
ORC-12	POR12-12548-6	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-13	POR12-12548-7	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-14	POR12-12548-8	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-15	POR12-12548-9	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-16	POR12-12548-10	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-17	POR12-12548-11	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-18	POR12-12548-12	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-19	POR12-12548-13	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-20	POR12-12548-14	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-21	POR12-12548-15	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-22	POR12-12548-16	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled
ORC-93			Bourbon	Barrel 53	0.00	New	Available
ORC-94			Bourbon	Barrel 53	0.00	New	Available
ORC-95			Bourbon	Barrel 53	0.00	New	Available
ORC-96			Bourbon	Barrel 53	0.00	New	Available
ORC-97			Bourbon	Barrel 53	0.00	New	Available

Total Barrels Total Volume

Pick a Barrel ID on the grid and click the golden arrow next to it. The Barrel Master Data record will appear for that Barrel ID. On the Barrel master data, you can see all of the properties for that Barrel ID. You can also add records of notes on each Barrel Master Data record.



Barrel Master Data

Barrel ID: ORC-17 Contents: BB1017 Internal Barrel: 01-04-17

Item Code: BRL1001-FLD Contents Category: Attribute 2:

Warehouse: B99 Contents Batch: POR12-12548-11 Attribute 3:

Bin Code: A - -04 - 005 Fill Volume: 1.71 Attribute 4:

Type: Bourbon Attribute 5:

Size: Barrel 53

Condition: Used Sequence: 1

Status: Filled Fill Date: 06/13/2017

Notes Add Note

Pin	Date	Time	Comment

OK Cancel History

The Barrel Master Data record may also be accessed by going to Inventory > Barrel Master Data.

By accessing the Barrel Master Data in this way, you will need to either scroll through the records (using the green arrows on the icon bar) or switch the form to Find Mode (Ctrl + F or click the binoculars icon at the top).



Barrel history

There is a **History** button on the Barrel Master Data form. This brings up a list of all transactions that occurred for this barrel. Whether it was received, transferred, dumped or retired - it'll be on this list! It has transaction details as well as a link to the transaction document. (screen shot is split below to better show detail).

The screenshot shows the 'Barrel Management Console' interface. The 'Barrel Master Data' form is open, displaying details for a barrel with ID 'ORC-1'. The 'History' button is highlighted. A separate window titled 'Barrel History' is overlaid, showing a table of transactions.

Trans Date	Barrel ID	Item	Warehouse	Bin Code	Type	Size	Condition	Status	Contents	Batch	Vol
10/15/15	ORC-1	BRL2000-Filled	BA01	---	Non-Honey Comb	Barrel 53	Used	Filled	BA1002	PE2-151015-10019-1	53.
02/26/16	ORC-1	BRL2000	A1	---	Non-Honey Comb	Barrel 53	New	Available			0.0
03/18/16	ORC-1	BRL2000-Filled	BA01	---	Non-Honey Comb	Barrel 53	Used	Filled	BA1002	PE2-151015-10019-1	53.
06/16/16	ORC-1	BRL2000-Filled	BA01	---	Non-Honey Comb	Barrel 53	Used	Filled	BA1002	PE2-151015-10019-1	53.
12/19/16	ORC-1	BRL2000-Filled	BA01	---	Non-Honey Comb	Barrel 53	Used	Filled	BA1002	PE2-151015-10019-1	53.

Search Functionality

There are a number of fields to filter down the list of barrels shown in the Management tab. You can even filter by age! Set your criteria for fields shown below and click the **Refresh** button to execute the filter.

The screenshot shows the search filter fields in the Barrel Management Console. The fields are: Age (Years), Contents, Type, Condition, From Date, +/- (Months), Warehouse, Size, Status, and To Date. A 'Refresh' button is located to the right of the 'To Date' field.



Daily production (fill)

Prerequisites:

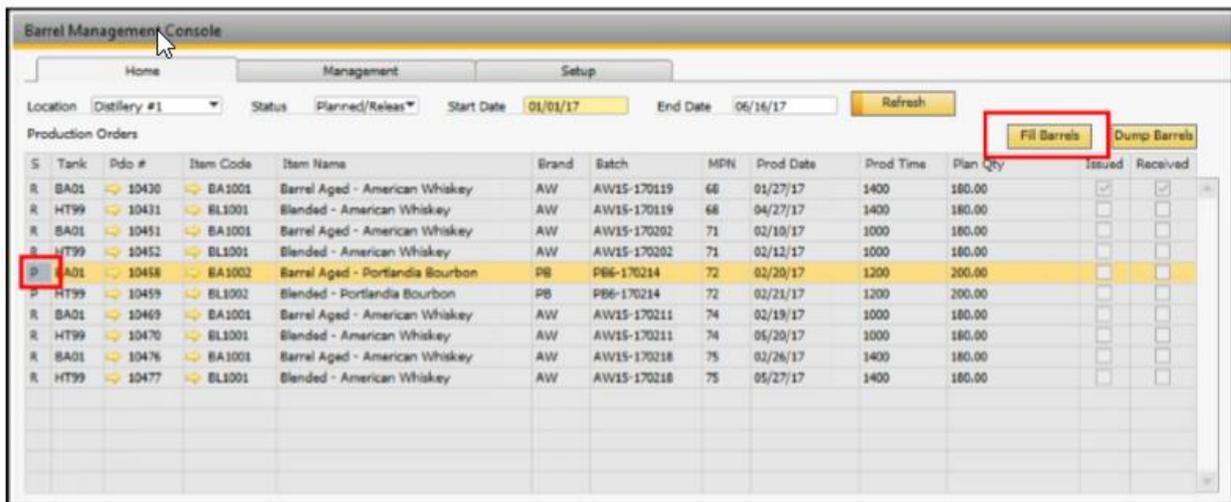
1. Barrel Defaults are setup: **Barrel Item Templates**
2. Barrels have been received into stock: **Barrels Received**
3. At least one Planned or Released production order for a barrel aged item

If the above prerequisites have been met, you will be able to fill the barrels that are in stock.

Step by step guide

Go to Production > Production Forms > Barrel Management Console, click on the Home tab.

On the Home tab, select the row of the Production order for which you want to fill barrels, then click **Fill Barrels**.



The Express Production Screen will appear for the selected production order. From there, fill in the **Receive Qty** and make any changes to the header fields in that window. If you are running OrchestratedSPIRITS, there will be also be a Proof field available.

Before processing this production order, the barrels to be filled must be selected. Click on the Barrel Selection tab.

On this tab, click the Search button to bring up the list of barrels to be filled. To narrow the list of barrels, you may choose to filter the search results using any of the fields next to the Search button.





Select the rows for the barrels you want to fill. To select individual rows, hold Ctrl and click each row. You may also click a row, hold Shift, then click a different row to select a range of barrels to use. Once the barrels to use are highlighted, click **Select**.

Barrel ID	ItemCode	Type	Condition	Status	S.
ORC-7	BRL2000-Empty	Non-Honey Comb	Used	Infected	Bar
ORC-8	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-9	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-10	BRL2000-Empty	Non-Honey Comb	Used	Needs Cleaning	Bar
ORC-15	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-25	BRL2000	Non-Honey Comb	New	Available	Bar
ORC-34	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-35	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-36	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-37	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-38	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar
ORC-39	BRL2000-Empty	Non-Honey Comb	Used	Empty	Bar

If you need to remove a selected barrel or if you want to redo your selection, highlight the row(s) you want to remove and then click the **Unselect** at the bottom right.

If the Total Fill Vol for the barrels does not match the **Receive Qty** amount at the top of the Express screen, you'll want to adjust the Fill Volume for one or more rows until the **Total Fill Vol** equals the **Receive Qty**.

Spirits specific screen shot. Notice the **Proof fields:



Express Production

Product Code: BA1002 Warehouse: BA01 Production Order: 10458
Product Name: Barrel Aged - Portlandia Bourbon Due Date: 20170221
Planned Qty: 200 GAL Target Proof: 124 Production Date: 02/20/17
Receive Qty: 200.000 GAL Proof: 124.000 Batch ID: PB6-170214
Variance: 0 Proof Gallons: 248 Initials:

Barrel Selection | Barrel Matching | Pdo Lines

Barrel ID: Status: Size: Type: Condition: Search

Barrel ID	ItemCode	ItemName	Type	Capacity	Fill Volume
ORC-11	BRL2000-Empty	Empty - Barrels 53 Gal #3 Ch Non-Honey Com	53.00	50.00	
ORC-12	BRL2000-Empty	Empty - Barrels 53 Gal #3 Ch Non-Honey Com	53.00	50.00	
ORC-13	BRL2000-Empty	Empty - Barrels 53 Gal #3 Ch Non-Honey Com	53.00	53.00	
ORC-14	BRL2000-Empty	Empty - Barrels 53 Gal #3 Ch Non-Honey Com	53.00	53.00	

Total Barrels Selected: 4 Total Capacity: 212 Total Fill Vol: 206

Buttons: Cancel, Refresh, Unselect

**Beer specific screen shot. No Proof fields, and the volume is different due to the unit of measure:

Express Production

Product Code: BA1005 Warehouse: BA1 Production Order: 12555
Product Name: Barrel Aged Beer - Portlandia Porter Due Date: 20170627
Planned Qty: 30 Production Date: 03/29/2017
Receive Qty: 29.07 Batch ID: POR13
Variance: -0.031 Initials:

Barrel Selection | Barrel Matching | Pdo Lines

Barrel ID: Status: Size: Type: Condition: Search

Barrel ID	ItemCode	ItemName	Type	Capacity	Fill Volume
ORC-11	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-37	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-38	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-40	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-41	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-42	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-43	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-44	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-45	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-46	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-47	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-48	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-49	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-50	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-51	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-52	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71
ORC-93	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	1.71	1.71

Total Barrels Selected: 17 Total Capacity: 29.07 Total Fill Vol: 29.07

Buttons: Cancel, Refresh, Unselect



Once the Barrel Selection is set, the next step is to click on the Barrel Matching tab.

On this tab, you will match the barrel item consumed with the barrel item that will be created once the production order is processed and the barrels have been filled.

In this example, we are consuming 4 new oak barrels and the output will be 4 filled oak barrels.

Consumed Barrel	Bri Item Name	Quantity	Created Barrel	Bri ItemName
BRL2000-Empty	Empty - Barrels 53 Gal #3 Char Wl 4		BRL2000-Filled	Filled - Barrels 53 Gal #3 Char Wh
			BRL2000	Barrels New 53 Gal #3 Char White Oak
			BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak
			BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak

Once the Barrel Matching is set, click the Pdo Lines tab.

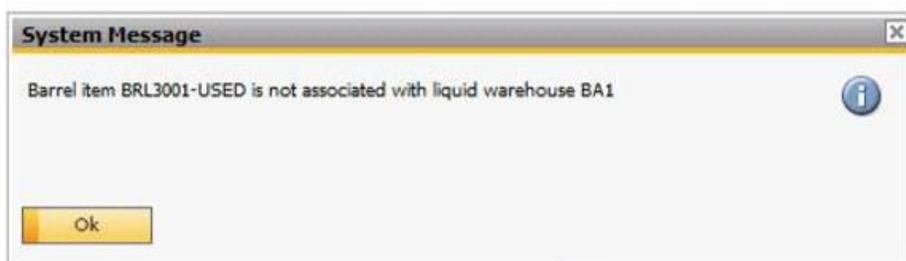
On this tab, you'll want to double check the component that will be issued from stock.

Note: there should be no barrel items on the PdO since that is handled on the other tabs on this screen.

Item Code	Item Name	PlannedQty	Whse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
01. D1002	Distilled - Portlandia Bourbon	200.000							
			PS01	D1002	PB6-170214	200.000	GAL	02/19/17	200.000

If everything on the Pdo Lines tab is correct, you are ready to click the **Process** button in the bottom left. The Barrel Edit window opens and you can make edits to the newly filled barrels. Click **Submit** you're good to go!

You may receive a Warning like:



This means you will need to add the warehouse on this production order to the item master data of the 'Created Barrels'.

In this example, we'll need to add warehouse BA1 to item BRL3001-USED (go to the Inventory Data tab of the Item Maser Data).



Daily production (dump)

Prerequisites

1. Barrels have been filled: Filled Barrels
2. At least one Planned or Released production order for a barrel dump item (Spirits) or

Important note before beginning:

By default, the production orders needed to tip the filled barrels will not show up on the Barrel Management Console. Below are the steps to follow to enable those production orders to appear.

Barrel aged beer:

- Easiest Method - Change the Process Type on the particular Bright Beer item to "Aging". If the particular brand of product will go straight into bottle, change the Bright Beer
- Create a Process Type called "Dumping" and set it to show on the Barrel Management Console.
 - For info on how to create a Process Type, please lookup the following Support Site link: **Create a New User Defined Process Type**
 - Create the item master data for this new process type (i.e Barrel Dump liquid)
 - Change the packaging items for this brand of beer to pull from the new item master of this Process Type

Barrel aged spirits:

This completely depends on the type of spirit and its production steps, however, here are a couple suggestions

- Create a Process Type called "Dumping" and set it to show on the Barrel Management Console. For info on how to create a Process Type, please see the following Support Site link: **Create a New User Defined Process Type**
- Change the Process Type for the item in the next production step to "Aging"

Once you have adjusted and followed the previous steps, you are now ready to dump those barrels!

OSpirits

Go to Production > Production Forms > Barrel Management Console, click on the Home tab.

Select the row of the Production order for which you want to tip, then click **Dump Barrels**



Barrel Management Console

Home Management Setup

Location Distillery #1 Status Planned/Released Start Date 06/16/16 End Date 06/16/17 Refresh

Production Orders Fill Barrels Dump Barrels

S	Tank	Pdo #	Item Code	Item Name	Brand	Batch	MPN	Prod Date	Prod Time	Plan Qty	Issued	Received
R	BA01	10430	BA1001	Barrel Aged - American Whiskey	AW	AW15-170119	68	01/27/17	1400	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	HT99	10431	BL1001	Blended - American Whiskey	AW	AW15-170119	68	04/27/17	1400	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	BA01	10451	BA1001	Barrel Aged - American Whiskey	AW	AW15-170202	71	02/10/17	1000	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	HT99	10452	BL1001	Blended - American Whiskey	AW	AW15-170202	71	02/12/17	1000	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	BA01	10458	BA1002	Barrel Aged - Portlandia Bourbon	PB	PB6-170214	72	02/20/17	1200	200.00	<input type="checkbox"/>	<input type="checkbox"/>
P	HT99	10459	BL1002	Blended - Portlandia Bourbon	PB	PB6-170214	72	02/21/17	1200	200.00	<input type="checkbox"/>	<input type="checkbox"/>
R	BA01	10469	BA1001	Barrel Aged - American Whiskey	AW	AW15-170211	74	02/19/17	1000	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	HT99	10470	BL1001	Blended - American Whiskey	AW	AW15-170211	74	05/20/17	1000	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	BA01	10476	BA1001	Barrel Aged - American Whiskey	AW	AW15-170218	75	02/26/17	1400	180.00	<input type="checkbox"/>	<input type="checkbox"/>
R	HT99	10477	BL1001	Blended - American Whiskey	AW	AW15-170218	75	05/27/17	1400	180.00	<input type="checkbox"/>	<input type="checkbox"/>

The Express Production Screen appears for the selected production order. From there you fill in the **Receive Qty** and make any changes to the header fields in that window. If you are running OrchestratedSPIRITS, there is a Proof field available to fill out in the header.

Before this production order can be processed, the barrels to be dumped must be selected. To do this, click on the Barrel Selection tab.

On this tab, click the Search button to bring up the list of barrels to be dumped. To narrow the list of barrels, you may choose to filter the search results using any of the fields next to the **Search** button.

Barrel Selection Barrel Matching Pdo Lines

Barrel ID Status Size Type Condition Search

Select the rows for the barrels you want to tip. To select individual rows, hold Ctrl and click each row. You may also click a row, hold Shift, and then click a different row to select a range of barrels to use. Once the barrels to use are highlighted, click **Select**.

Select From List

Barrel ID	ItemCode	Type	Condition	Status	Size	Capacity	Contents	Category	Fill Volume	Batch	Fill Date
ORC-28	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW15-170119-10430-3	01/27/17
ORC-29	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW12-160324-10107-4	04/01/16
ORC-30	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW12-160324-10107-5	04/01/16
ORC-31	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW12-160324-10107-6	04/01/16
ORC-32	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW12-160324-10107-7	04/01/16
ORC-33	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW12-160324-10107-8	04/01/16
ORC-34	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW15-170218-10476-1	02/26/17
ORC-35	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW15-170218-10476-2	02/26/17
ORC-36	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW15-170218-10476-3	02/26/17
ORC-37	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	21.00	AW15-170218-10476-4	02/26/17
ORC-105	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW14-150110-10396-1	01/18/15
ORC-106	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW14-150110-10396-2	01/18/15
ORC-107	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW14-150110-10396-3	01/18/15
ORC-112	BRL2000-Filled	Non-Honey Comb	Used	Filled	Barrel 53	53.00	BA1001 Whiskey	Whiskey	53.00	AW14-150110-10396-4	01/18/15

Select Cancel



If you need to remove a selected barrel or if you want to redo your selection, highlight the row(s) you want to remove and then click the **Unselect** at the bottom right.

Once the Barrel Selection is set, the next step is to click on the Barrel Matching tab.

On this tab, you match the barrel item consumed with the barrel item that will be created once the production order is processed and the barrels have been filled.

In this example, we are dumping from 4 used oak barrels and the output can be either 4 used empty oak barrels. Mark the warehouse to **Receive Shells To**.

The screenshot shows the 'Barrel Matching' tab. At the top right, there is a 'Receive Shells To' dropdown menu set to 'BA01'. Below this is a table with the following columns: 'Consumed Barrel', 'Brl Item Name', 'Quantity', 'Created Barrel', and 'Brl ItemName'. The first row contains the following data: 'BRL2000-Filled', 'Filled - Barrels 53 Gal #3 Char Whi 4', an empty field, 'BRL2000-Empty', and 'Empty - Barrels 53 Gal #3 Char W'. The 'Created Barrel' dropdown is highlighted with a red box.

Once the Barrel Matching is set, click the Pdo Lines tab.

On this tab, you want to double check the component that will be issued from stock. In this case, there are multiple component batches for each barrel that was filled. Only the barrels that were selected to tip will have the quantity filled out in the **ActQty** column.

The screenshot shows the 'Pdo Lines' tab. At the top, there are several input fields: 'Product Code' (BL1001), 'Warehouse' (HT99), 'Production Order' (10477), 'Product Name' (Blended - American Whiskey), 'Planned Qty' (180), 'UoM-C' (Target Proof 124), 'Receive Qty' (180.000), 'UoM-C' (Proof 124.000), 'Variance' (0), and 'Proof Gallons' (223.2). Below these fields are tabs for 'Barrel Selection', 'Barrel Matching', and 'Pdo Lines'. The 'Pdo Lines' tab is active, showing a table with the following columns: 'Item Code', 'Item Name', 'PlannedQty', 'Whse', 'ItemCode', 'BatchNumber', 'In Stock', 'UoM', 'In Date', and 'ActQty'. The table contains one main row for '01. BA1001 | Barrel Aged - American Whiskey' with a 'PlannedQty' of 180.000. Below this are four rows of detailed data for each barrel, each with a 'Whse' of BA01 and an 'ActQty' of 53.000. At the bottom of the screen, there are summary fields: 'Total Barrels Selected' (4), 'Total Capacity' (212), and 'Total Fill Vol' (180). There are also buttons for 'Process', 'Cancel', 'Calculator', and 'Refresh'.

If everything on the Pdo Lines tab is correct, you are ready to click the Process button. The prompt to open the Edit Barrels form opens, feel free to jump in or not.



OBeer

Go to Production > Production Forms > Barrel Management Console, click on the Home tab.

Select the row of the Production order for which you want to tip, likely for bright beer, then click **Dump Barrels**.

S	Tank	Pdo #	Item Code	Item Name	Brand	Batch	MPH	Prod Date	Prod Time	Plan Qty	Issued	Received
R	B02	12474	BB1009	Bright Beer - Blonde	BLD	BLD16	373	04/26/2017	600	279.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12491	BB1003	Bright Beer - IPA	IPA	IPA225	374	04/21/2017	800	94.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12501	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1358	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12502	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1443	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12503	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1528	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12504	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1613	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12505	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1658	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12506	BB1001	Bright Beer - Amber Ale	AMA		0	04/17/2017	1743	0.90	<input type="checkbox"/>	<input type="checkbox"/>
R	B06	12523	BB1005	Bright Beer - Portlandia Porter	POR	POR11	376	05/17/2017	700	94.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B05	12526	F12001	Filtered - Columbia Oider	CC	COL05	100	05/04/2017	800	5,250.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B16	12533	BB1004	Bright Beer - Stout	STT	STT26	377	06/23/2017	945	100.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12540	BB1003	Bright Beer - IPA	IPA	IPA226	378	06/30/2017	600	94.00	<input type="checkbox"/>	<input type="checkbox"/>
R	B08	12544	BB1017	Bright Beer - Barrel Aged Portlandia Pt BAPOR	POR106-12543-1		0	06/13/2017	1515	16.25	<input type="checkbox"/>	<input type="checkbox"/>
R	B99	12548	BB1017	Bright Beer - Barrel Aged Portlandia Pt BAPOR	POR12		379	06/13/2017	1353	28.57	<input type="checkbox"/>	<input type="checkbox"/>
R	B01	12556	BB1017	Bright Beer - Barrel Aged Portlandia Pt BAPOR	POR13		380	06/27/2017	1602	28.57	<input type="checkbox"/>	<input type="checkbox"/>

Other than the liquid, the process is the same. You'll notice a difference on the Express Production screen. Once again, there are no Proof fields. See an example below. The Barrel Matching and Pdo Lines tabs follow the same steps listed above.

Barrel ID	ItemCode	ItemName	Type	Fill Volume	Dump Volume	Final Volume
ORC-24	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-25	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-26	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-27	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-28	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-29	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-30	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-31	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-34	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-35	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-36	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-37	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-38	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-39	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-40	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00
ORC-44	BRL1001-FLD	Barrel 53G - OAK - F1 Bourbon		1.71	1.71	0.00



Dump from the management tab (partial dump)

When has a special projects manager ever just wanted to create the next tasting room special without going through the hassle of having to do a production order and create a BoM and all that? Or maybe, there was 1 off special flavored whiskey that just had to get out the door. In this article, we'll look at process for just dumping barrels to create... well... whatever! Even hats! No BoM or PdO required!

Barrel management console

1. Navigate to the **Barrel Management Console** at Production > Production Forms > Barrel Management Console.
2. Click on the **Management** tab, and select the barrels you are going to do dump.
3. Once selected, press the **Dump** button.

Barrel ID	Batch ID	Brand	Type	Size	Vol	Condition	Status	Fill Date	Age	Warehouse	Bin Co
ORC-1	POR12-12548-1	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-7	POR12-12548-2	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-8	POR12-12548-3	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-9	POR12-12548-4	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-10	POR12-12548-5	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-11			Bourbon	Barrel 53	0.00	New	Needs Cleaning			A1	
ORC-12	POR12-12548-6	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-13	POR12-12548-7	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-14	POR12-12548-8	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-15	POR12-12548-9	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-16	POR12-12548-10	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-17	POR12-12548-11	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-18	POR12-12548-12	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	
ORC-19	POR12-12548-13	BAPOR	Bourbon	Barrel 53	1.71	Used	Filled	06/13/2017	0y 0m 0v	B99	

Click the **Dump** button to bring up the Dump Barrels window. You can select the volume to dump from each barrel. This liquid will go into the item mentioned in the header of this form. Once complete, click **Express**. This brings you to the normal Express Screen mentioned above.

The dump barrels screen

Alright now that your barrels are selected and the Dump Barrels screen has been launched we need to fill out some key information.

- **Final Item:** What the barrels turn into. This could be bright beer, bottle proofed spirits, a finished good item, or yes... hats.
- **Destination Whs:** This is where that final item will be received.
- **Date:** When did this happen?
- **Quantity:** This field will pre-populate based on the volumes of the selected barrels, but you can, of course, change it. Its how much of whatever you are going or have received.
- **Proof (OSpirits Only):** What is the proof of the batch of whatever you are receiving.
- **Batch:** Now give this stuff a batch ID, most common is the date.



Type	Contents	ItemName	Warehouse	Proof	Volume	Dump	
1	Bourbon	BB1017	Bright Beer - Barrel Aged Portlandia Porter	B99	0.00	1.71	0.75
7	Bourbon	BB1017	Bright Beer - Barrel Aged Portlandia Porter	B99	0.00	1.71	0.75
9	Bourbon	BB1017	Bright Beer - Barrel Aged Portlandia Porter	B99	0.00	1.71	1.00

Got that filled out? Excellent! Now press the **Express** button.

NOTE: See that little "..." button, that will pull in PdOs that you can select from if you have one already planned. This will update all of the above information automatically.

Express production

Since most of the information has already been filled out, we've plopped it right on the express screen for you. There are a couple of other key data points before we're done.

1. Click on the **Barrel Matching** tab and select the appropriate next stage barrel template from the drop down menu.

Consumed Barrel	Brl Item Name	Quantity	Created Barrel	Brl ItemName
BRL1001-FLD	Barrel 53G - OAK - FILLED	11	BRL1001-EMPTY	Barrel 53G - OAK - EMPTY

2. Next, click on the **PdO Lines** tab and make sure you are consuming the amount you want out of the barrels. This is important if you are bottling off of a single barrel and don't consume the entire barrel for that package type.
3. Once you are finished, click the **Process** button and your done!
4. If you completely empty the barrel, its status will change to 'Empty'



ORC-99	POR106-12143-88	POR	Bourbon	Barrel 53	0.00	1.71	0.00	Used	Filled	10/23/2016
ORC-100	POR106-12143-89	POR	Bourbon	Barrel 53	0.00	1.71	0.00	Used	Filled	10/23/2016
ORC-101			Bourbon	Barrel 53	0.00	0.00		Used	Empty	
ORC-102			Bourbon	Barrel 53	0.00	0.00		Used	Empty	
ORC-103			Bourbon	Barrel 53	0.00	0.00		New	Available	



Receiving barrels

Prerequisites: Barrel Defaults have been created

If this has not been done, please find out how to do so using the Barrel Default Set Up section

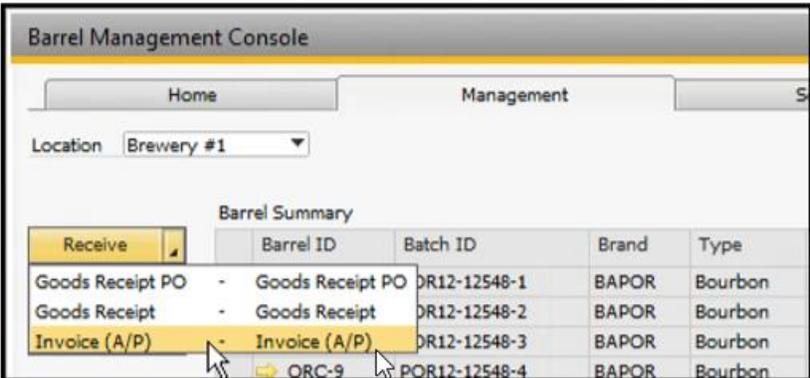
After the Barrel Defaults have been created, we're ready to receive the physical barrels into stock. This process is handled in the Barrel Management Console through the "Receive Barrels" button on the Management tab.

Step by step guide

Go to Production > Production Forms > Barrel Management Console. From there you'll click on the Management Tab

Select the document type to receive in the barrels. Click the carrot on the **Receive** button to select which document you want to use. You may choose between the following:

- Goods Receipt PO
- Goods Receipt
- AP Invoice



It is entirely up to the user to choose which document type. If new barrels are being purchased, you may want to go with a Goods Receipt PO (if you will enter the AP Invoice at later time) or use an AP Invoice.

In this example we'll use a Goods Receipt.

Click the button (after you select the document type) to select which barrels to bring into stock.

The barrels you see available to select are the same as the Barrel Defaults.



ItemCode	ItemName
BRL1001-EMPTY	Barrel 53G - OAK - EMPTY
BRL1001-FLD	Barrel 53G - OAK - FILLED
BRL1001-NEW	Barrel 53G - OAK - NEW
BRL1002-EMPTY	Barrel 53G - DOGWOOD - EMPTY
BRL1002-FLD	Barrel 53G - DOGWOOD - FILLED
BRL1002-NEW	Barrel 53G - DOGWOOD - NEW
BRL1003-EMPTY	Barrel 53G - WALNUT - EMPTY
BRL1003-FLD	Barrel 53G - WALNUT - FILLED
BRL1003-NEW	Barrel 53G - WALNUT - NEW
BRL1004-EMPTY	Barrel 59G - OAK - EMPTY
BRL1004-FLD	Barrel 59G - OAK - FILLED
BRL1004-NEW	Barrel 59G - OAK - NEW

Once you've selected the barrel type you want to bring in, click Select and the particular document for receiving the barrels will appear on the screen.

Verify that the correct quantity and unit price are filled out for the total barrels you're receiving.

#	Item No.	Item Description	Quantity	Unit Price	Total	Inventory Offset - Increase Account	Item Cost	Uo...
1	BRL1001-NEW	Barrel 53G - OAK - NEW	5	\$ 98.1500	\$ 490.75	51035-01		Manual

Once everything looks correct, click the **Add** button on the document. The Barrel Edit window appears.



From there, verify the data for the barrels you are about to receive. If all looks correct, hit the **Submit** button to process.

Barrel Edit															
ID	Shell Item	ItemName	Type	Size	Condition	Status	Contents	Batch	Fill Volume	WhsCode	Bay	Row	Col	Pos	Attr 1
ORC-93	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	Barrel 53	New	Availa			0.00	A1					
ORC-94	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	Barrel 53	New	Availa			0.00	A1					
ORC-95	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	Barrel 53	New	Availa			0.00	A1					
ORC-96	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	Barrel 53	New	Availa			0.00	A1					
ORC-97	BRL1001-NEW	Barrel 53G - OAK - NEW	Bourbon	Barrel 53	New	Availa			0.00	A1					

Note about the Barrel Edit window: If one or more of the barrels is different from the rest, you can make changes to the barrel in this window. For example, if one of the barrels is a different size (Barrel Size field) or if it needs cleaning or if it is infected (Barrel Status field).



Purchase filled barrels (spirits only)

You can purchase filled barrels from the barrel management console.

How to

Open the Barrel Management Console and go to the Management tab. Click on the carrot of the **Receive** button and select 'Buy Filled Barrels'. Click the button!

Barrel Summary									
	Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	
Receive									
Goods Receipt PO	- Goods Receipt PO	151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	
Goods Receipt	- Goods Receipt	151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	
Invoice (A/P)	- Invoice (A/P)	151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	
Buy Filled Barrels	- Buy Filled Barrels			Non-Honey Comb	Barrel 53	0.000	0.000		
	ORC-8			Non-Honey Comb	Barrel 53	0.000	0.000		
	ORC-9			Non-Honey Comb	Barrel 53	0.000	0.000		
	ORC-10			Non-Honey Comb	Barrel 53	0.000	0.000		

The Purchase Filled Barrels forms open. Select the **Vendor** and then fill out the order details. You can mark the:

- **Template code:** the barrel shell template, likely a '..FILLED' one
- **Contents:** the liquid inside
- **# of Barrels**
- **Proof gallons per barrel**
- **Batch ID**
- **Fill date**
- **Warehouse:** the receiving warehouse
- **Unit price:** per barrel

Template Code	Barrel Template	Contents	# Barrels	PG per Brl	TB Proof Gallons	Batch ID	Fill Date	Warehouse	Unit Price	Total Price
BRJ2000-Filled	Filled - Barrels 53 Gal #3 CF BA1004		3	89.000	267.000	NWheat	02/19/15	BA01	500.0000	1,500.0000

With the details entered, click the carrot next to the **Create Doc** button to select GRPO or A/P Invoice. Then click the button.



Remarks

AP Invoice Cancel

GRPO - Goods Receipt PO

AP Invoice - A/P Invoice

The Barrel Edit form opens. You should be familiar with this guy! Click **Submit** when you're satisfied with the details. The A/P Invoice is created and the barrels with liquid are now in Orchestrated.

Barrel Edit

ID	Shell Item	ItemName	Type	Size	Condition	Status	Contents	Batch	Fill Volume	Proof	WhsCode	Bay	Row	Col	Pos	Attr 1
	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Filled	BA1004	NWtest-AP10044-1	53.000	167.925	BA01					3 Charred
	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Filled	BA1004	NWtest-AP10044-2	53.000	167.925	BA01					3 Charred
	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Filled	BA1004	NWtest-AP10044-3	53.000	167.925	BA01					3 Charred



Retire barrels

Summary

The Retire functionality in the Barrel Management Console allows a user to remove barrel(s) and its liquid in one step. This can be done through a Delivery, Invoice, or Good issue document. See the video for a walk through. Below are steps for the Goods Issue and the Sell Barrels functions.

There is a function on the Goods Issue to reverse this action in case a mistake was made! Slick stuff, check it out.

How to (goods issue)

Go to the Barrel Management Console and to the Management tab. Select one or many barrels, then click the carrot on the **Retire** button. Select the 'Goods Issue' option and click the button.

The screenshot shows the 'Management' tab in the Barrel Management Console. A table titled 'Barrel Summary' lists several barrels. A dropdown menu is open over the 'Retire' button, with 'Goods Issue' selected. The table data is as follows:

Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status
ORC-1	PB2-151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	Used	Filled
ORC-3	PB2-151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	67.45	Used	Filled
ORC-4	PB2-151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	67.45	Used	Filled
			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Infected
			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Needs Cleaning
ORC-11			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty

The Issue Barrels form opens. Select the **Shell Offset GL** account, **Contents Offset GL** account and the **TTB Variance Reason** for each row.

The screenshot shows the 'Issue Barrels' form. It contains a table with the following data:

Barrel ID	Shell Code	Shell Name	Shell Offset GL	Contents Code	Contents Name	Volume	Proof	Proof Gal	Warehouse	Contents Offset GL	TTB Variance Reason
ORC-1	BRL200-Filled	Filled - Barrels 53 Gal #3 Char White Oak	995239	BA1002	Barrel Aged - Portlandia Bourbon	35.00000 Gal	165.000	57.75	BA01	995239	Destroyed
ORC-3	BRL200-Filled	Filled - Barrels 53 Gal #3 Char White Oak	995239	BA1002	Barrel Aged - Portlandia Bourbon	53.00000 Gal	165.000	67.45	BA01	995239	Destroyed

At the bottom right, there is a summary box:

Total Barrels: 2
Total Volume: 88.000
Total Proof Gallons: 145.200

Click the **Issue** button and yes to the warning to create the Goods Issue document. If successful, the added Goods Issue appears.



#	Item No.	Item Description	Quantity	Inventor...	Item Cost	UoM Code	UoM Name	Available To ...	Variance Reason	Comments
1	BRL2000-Filled	BRL2000-Filled - Barrels 53 Gal #3 C	2	99925-99	\$ 19,6050	Manual	Ea			
2	BA1001	Barrel Aged - American W	106	99925-99	\$ 13,7642	Manual	GAL		Destroyed	

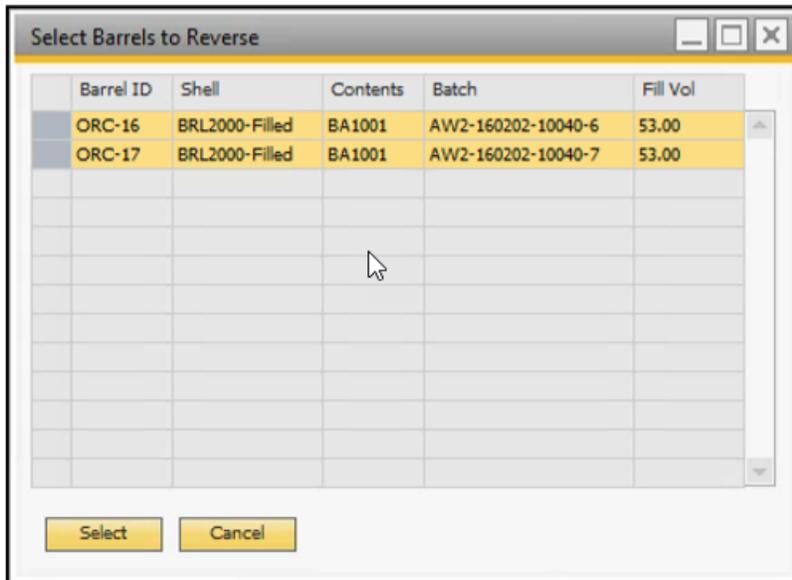
Go refresh the data in the Management tab in the BMC and see that your barrels are now gone. Sadness, but necessary.

Reverse the goods issue

Made this easy for you! Right click in the header grey space, Reverse Barrels.

#	Item No.	Item Description	Quantity	Inventor...	Item Cost	UoM Code	UoM Name	Available To ...	Variance Reason	Comments
1	BRL2000-Filled	BRL2000-Filled - Barrels 53 Gal #3 C	2	99925-99	\$ 19,6050	Manual	Ea			
2	BA1001	Barrel Aged - American W	106	99925-99	\$ 13,7642	Manual	GAL		Destroyed	

The Select Barrels to Reverse window opens. Yes! You can reverse specific lines, not only the whole Goods Issue. Select the rows and click **Select**.



If no errors pop up, it worked! Check the BMC again and see your barrels have returned.

Sell filled barrels

Do you have extra barrel-aged whiskey to sell to other smaller distilleries who are just getting up off the ground? You may do this to help grow your business and not keep the barrel assets on the books any longer than he needs to. You can sell filled barrels from the Barrel Management Console!

How to

Open the Barrel Management Console, and go to the Management tab. Select the barrel(s) you want to sell and click the **Retire** button on the left, then select 'Sell Barrels'.



The Sell Barrels form opens. Select the **Customer, Posting Date** and **Unit Price** for the barrels. You can add freight and discounts like any other marketing document. When complete, click the carrot next to the **Create Doc** button and select A/R Invoice or Delivery. Then click the button again and say yes to the warning.



Set Barrels

Customer Code: C1010
Customer Name: Northern Wine & Spirits
Customer Ref #:
Sales Employee: Denise Wilson
Posting Date: 06/14/17
Due Date: 07/14/17

Barrel ID	Contents	Contents Name	Volume	UOM	Batch ID	Proof	Fill Date	Category	Warehouse	Location Code	Tax Code	Unit Price
ORC-5	BA1002	Barrel Aged - Portlands Bourbon	53.000	Gal	F92-151019-10019-5	165.000	10/15/15	Whiskey	BA01		61	475.0000
ORC-6	BA1002	Barrel Aged - Portlands Bourbon	35.000	Gal	F92-151019-10019-6	165.000	10/15/15	Whiskey	BA01		61	475.0000

Remarks:
Total Barrels: 2
Total Proof Gallons: 345.000
Total Before Discount: 3,200.00
Discount: 0.00 % 0.00
Freight In: 0.0000
Total Payment Due: 3,200.00

A/R Invoice Cancel Select Additional Barrels

Finito! If you refresh the BMC you'll find that the barrels are no longer there. This example created an A/R Invoice like:

A/R Invoice

Customer: C1010
Name: Northern Wine & Spirits
Contact Person: Joanna Hurlington
Customer Ref. No.:
Local Currency:
No. Primary: 10066
Status: Open
Posting Date: 06/14/17
Due Date: 06/14/17
Document Date: 06/14/17
Payment Doc:
Sales Employee: Denise Wilson
Owner:
Total Weight: 0.00Lb
Volume: 88.000 GAL
Est. Pallet Spots: 0.000
Payment Order Run:
Remarks:
Total Before Discount: \$ 1,350.00
Discount: %
Total Down Payment:
Freight:
Rounding:
Tax:
Total: \$ 1,350.00
Applied Amount:
Balance Due: \$ 1,350.00

Item/Service Type	Item	Quantity	Unit Price	Disc.	Tax C.	Total (LC)
1	BA1002	53	\$ 12.7558	0.00	EX	\$ 675.00
2	BRL2000-Filled	1		0.00	EX	
3	BA1002	35	\$ 19.2857	0.00	EX	\$ 675.00
4	BRL2000-Filled	1		0.00	EX	

OK Cancel Finalize Receive Payment Copy From Copy To



Transfer barrels

Summary

Moving a barrel to an aging site? Need to mark its exact position? Use the Transfer function in the BMC.

How to

On the Management Tab, select the barrel(s) to be moved. Click the **Transfer** button.

The screenshot shows a 'Barrel Summary' table with columns: Barrel ID, Batch ID, Brand, Type, Size, Proof, Vol, Proof Gal, Condition, and Status. A sidebar on the left contains buttons for 'Receive', 'Retire', 'Transfer' (highlighted with a red box), and 'Dump'. A mouse cursor is pointing at the 'Transfer' button. The table lists barrels ORC-1 through ORC-13, with ORC-11 and ORC-12 highlighted in yellow.

Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status
ORC-1	PB2-151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	Used	Filled
ORC-3	PB2-151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled
ORC-4	PB2-151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled
ORC-7			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Infected
ORC-8			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-9			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-10			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Needs Cleaning
ORC-11	AW15-170202-10451-1	AW	Non-Honey Comb	Barrel 53	123.000	28.000	34.44	Used	Filled
ORC-12	AW15-170202-10451-2	AW	Non-Honey Comb	Barrel 53	123.000	53.000	65.19	Used	Filled
ORC-13			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty

The barrel Transfer form opens. You must select a **ToWhs**, although it can be the same as the **FromWhs** if you are only adjusting the **Bay, Row, Col** or **Pos**. Those four fields make up a unique **Bin Code** to locate the barrel. The example below shows that barrel ORC-11 will be moved to warehouse A1 at a location of 'A-10-23.' Applying a Bin Code is not mandatory.

The screenshot shows the 'Barrel Transfer' form with a date field set to '06/26/17'. Below is a table with columns: Barrel Id, Item, Contents, Contents Batch, Fill Volume, From Whs, From BinCode, ToWhs, Bay, Row, Col, and Pos. The table contains two rows of data, with the second row highlighted in yellow. At the bottom are 'Process' and 'Cancel' buttons.

Barrel Id	Item	Contents	Contents Batch	Fill Volume	From Whs	From BinCode	ToWhs	Bay	Row	Col	Pos
ORC-11	BRL2000-Filled	BA1001	AW15-170202-10451-1	33.00	BA01		A1	A	10	2	3
ORC-12	BRL2000-Filled	BA1001	AW15-170202-10451-2	53.00	BA01		A1	A	10	2	3

Click **Process** to execute the transfer.



Edit barrel contents

Summary

The contents of a barrel may be adjusted in a couple ways. Additions may be made to any filled barrel, say cocoa nibs, berries, etc. The volume of any filled barrel can be adjusted too.

Add adjuncts

Open the Barrel Management Console and go to the Management tab. Select the barrel(s) that you intend to add adjuncts to. Click the **Add Adjuncts** button.

The screenshot shows the 'Barrel Management Console' interface. At the top, there are tabs for 'Home', 'Management', and 'Setup'. Below the tabs, there are input fields for 'Location' (set to 'Distillery #1'), 'Age' (in Years), 'Contents', 'Type', and 'Warehouse'. A 'Barrel Summary' table is displayed with columns for Barrel ID, Batch ID, Brand, Type, Size, Proof, Vol, Proof Gal, Condition, and Status. The 'Add Adjuncts' button is highlighted with a red box.

Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status
ORC-1	PB2-151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	Used	Filled
ORC-3	PB2-151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	67.45	Used	Filled
ORC-4	PB2-151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	67.45	Used	Filled
ORC-7			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Infected
ORC-8			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-9			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-10			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Needs Cleaning
ORC-11	AW15-170202-10451-1	AW	Non-Honey Comb	Barrel 53	123.000	26.000	34.44	Used	Filled
ORC-12	AW15-170202-10451-2	AW	Non-Honey Comb	Barrel 53	123.000	53.000	65.19	Used	Filled
ORC-13			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-16			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-17			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
ORC-20	AW2-160202-10040-10	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled
ORC-21	AW10-160317-10097-1	AW	Non-Honey Comb	Barrel 53	0.000	53.000	0.00	Used	Filled

The Barrel Adjuncts form opens. The top grid shows the barrel information from the select barrels - no edits to make here. Below it is the barrel count and the **Volume Change** field. You can adjust the volume in each barrel if your adjustment results in such.

The bottom grid is the place to select which **items** you added to these barrels. Select the **Item Code**, the **Whs** (where the item came from) and the **Qty / Brl**. The example below shows that 1.5 LBs of Huckleberry was added to 2 barrels, so a total of 3 LBs will be used. Lastly, since the item is consumable, select the batch it came from. Add a comment if you'd like and click the **Process** button in the bottom left.



Barrel Adjuncts

Production Date: 06/26/17

ID	Contents	Item Name	Batch	Whs	Volume	Fill Date
ORC-3	BA1002	Barrel Aged - Portlandia Bourbon	PB2-151015-10019-3	BA01	53.000	10/15/15
ORC-4	BA1002	Barrel Aged - Portlandia Bourbon	PB2-151015-10019-4	BA01	53.000	10/15/15

Barrel Count: 2 Volume Change: 0.000

Adjuncts

ItemCode	ItemName	Whs	Qty / Bri	Total Qty	UoM	Batch
RA3001	Huckleberry	A1	1.500	3.000	lb	20150930

Comments

Process Cancel

Note that the cost of this material rolls up into the total cost of the liquid.

Back in the BMC, click **Refresh**. You'll see that the **Notes** field updates to show the recent change to the barrel.

Age	Warehouse	Bin Code	Notes	Attr 1
1y 8m 1w	BA01			3 Charre
1y 8m 1w	BA01		Adjunct Added: RA3001: Huckleberry Qty: 1.5 lb	3 Charre
1y 8m 1w	BA01		Adjunct Added: RA3001: Huckleberry Qty: 1.5 lb	3 Charre

Adjust volume

In the Management Tab, select the barrel you need to adjust the volume for. Click the **Adjust Volume** button.



Barrel admin

Summary

You'll need to make changes to barrel information in Orchestrated. This can be done in more than one place - depending on whichever is more convenient for you.

Barrel edit

Go to the Management tab in the BMC. Select one or many barrels and click the **Edit** button in the bottom left.

		Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status
Receive	→	ORC-1	PB2-151015-10019-1	PB	Non-Honey Comb	Barrel 53	165.000	35.000	57.75	Used	Filled
		ORC-3	PB2-151015-10019-3	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled
Retire	→	ORC-4	PB2-151015-10019-4	PB	Non-Honey Comb	Barrel 53	165.000	53.000	87.45	Used	Filled
		ORC-7			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Infected
		ORC-8			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
Transfer		ORC-9			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
		ORC-10			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Needs Cleaning
		ORC-11	AW15-170202-10451-1	AW	Non-Honey Comb	Barrel 53	123.000	33.000	40.59	Used	Filled
Dump		ORC-12	AW15-170202-10451-2	AW	Non-Honey Comb	Barrel 53	123.000	53.000	65.19	Used	Filled
		ORC-13			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
		ORC-16			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
		ORC-17			Non-Honey Comb	Barrel 53	0.000	0.000		Used	Empty
Add Adjuncts		ORC-20	AW2-160202-10040-10	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled
		ORC-21	AW10-160317-10097-1	AW	Non-Honey Comb	Barrel 53	0.000	53.000	0.00	Used	Filled
Adjust Volume		ORC-22	AW10-160317-10097-2	AW	Non-Honey Comb	Barrel 53	0.000	28.000	0.00	Used	Filled
		ORC-23	B112-160428-10178-1	AW	Non-Honey Comb	Barrel 53	100.000	53.000	53.00	Used	Filled
		ORC-24	B112-160428-10178-2	AW	Non-Honey Comb	Barrel 53	100.000	48.000	48.00	Used	Filled
		ORC-25			Non-Honey Comb	Barrel 53	0.000	0.000		New	Available
Print Tags		ORC-26	AW15-170119-10430-1	AW	Non-Honey Comb	Barrel 53	125.000	53.000	66.25	Used	Filled
		ORC-27	AW15-170119-10430-2	AW	Non-Honey Comb	Barrel 53	125.000	53.000	66.25	Used	Filled
		ORC-28	AW15-170119-10430-3	AW	Non-Honey Comb	Barrel 53	125.000	53.000	66.25	Used	Filled
Edit		ORC-29	AW12-160324-10107-4	AW	Non-Honey Comb	Barrel 53	124.300	53.000	65.88	Used	Filled
		ORC-30	AW12-160324-10107-5	AW	Non-Honey Comb	Barrel 53	124.300	53.000	65.88	Used	Filled

The **Edit** button opens the Barrel Edit window you are familiar with by now. The **Type, Size, Condition** and **Status** can be changed here. The Bin Code (**Bay, Row, Col, Pos**) and **Attributes** 1 thru 5 are also editable in this window. Click the **Submit** button to save any changes.



ID	Shell Item	ItemName	Type	Size	Condition	Status	Contents	Batch	Fill Volume	Proof	WhsCod	Bay	Row	Col	Pos	Attr 1	New Name	A...
ORC-22	BRL2000-Empty	Empty - Bar	Non-Honey Comb	Barrel 53	Used	Filled	BA1001	AW10-160317-10097-2	28.000	0.000	BA01					3 Charred		
ORC-23	BRL2000-Filled	Filled - Bar	Non-Honey Comb	Barrel 53	Used	Filled	BA1001	B112-160428-10178-1	53.000	100.000	BA01					3 Charred		
ORC-24	BRL2000-Filled	Filled - Bar	Non-Honey Comb	Barrel 53	Used	Filled	BA1001	B112-160428-10178-2	48.000	100.000	BA01					3 Charred		

Barrel master data

In the Management tab, there are drill down arrows next to the **Barrel ID**. Click it and it opens the Barrel Master Data form.

The same fields listed above can be changes here, too. This is only available for one barrel at a time, but it does have Notes functionality.

Free text notes can be added to the barrel master data. Some are automatically generated for any transactions that occur with this barrel. Below you can see that adjuncts were added and there was a volume adjustment. The **Pin** field dictates which note shows up in the Notes field in the Management tab of the BMC.

Barrel ID	ORC-24	Contents	BA1001	Attribute 1	3 Charred
ItemCode	BRL2000-Filled	Contents Category	Whiskey	Attribute 2	
Warehouse	BA01	Contents Batch	B112-160428-10178	Attribute 3	
Bin Code	- - - -	Fill Volume	48.000	Attribute 4	
Type	Non-Honey Com	Proof	100.000	Attribute 5	
Size	Barrel 53	Proof Gallons	48.000		
Condition	Used	Sequence	1		
Status	Filled	Fill Date	05/06/16		

Notes

Pin	Date	Time	Comment
<input checked="" type="checkbox"/>	06/26/17	10:45A	Volume Adjusted :1
<input type="checkbox"/>	06/26/17	10:45A	Adjunct Added: RA3001: Huckleberry Qty: 1 lb



The barrel history can be accessed by click the **History** button. This gives a more detailed history of transactions that this barrel was a part of. This is your source of record!



Import barrels

Summary

You may have hundreds of barrels to import into Orchestrated. After the standard setup is complete, you can mass import barrels, empty or filled, through the Barrel Import functionality.

How to

This is written from a first-time use perspective, although most of the process is the same other than setting up the file template.

Go to Production > Production Forms > Barrel Management Console and go to the Setup tab. If you don't see the Types, Sizes, Status and Barrel Item Template grids filled out, you're not ready to continue! There is an **Import** button on the right end of the screen - click it to open the Import Barrels form.

Validated	Shell	Size	Type	Status	Condition	Attr 1	Attr 2	Attr 3	Attr 4	Attr 5	Warehouse	Bay	Row	Col	Pos	Times Filled	Offset GL Act	Quantity	Value	Contents	ItemCode	Volume	Value	Offset GL ...
-----------	-------	------	------	--------	-----------	--------	--------	--------	--------	--------	-----------	-----	-----	-----	-----	--------------	---------------	----------	-------	----------	----------	--------	-------	---------------

Create file

Click the **Create File** button in the bottom right. A normal save file prompt opens and the file name and path is chosen. You now have a CSV file to complete; it has all the columns to import set.



Add data

This example will walk through adding 7 empty shells and 4 filled as a part of opening balances. First let's look at the columns in the file:

Column	Field	Where to look for data
A	Template	The Template Code , which is one the Setup Tab of the BMC. EX 'BRL2000-Empty' for Empty - Barrels 53 Gal #3 Char White Oak
B	Size	The Code in Sizes grid in BMC. EX 'BRL53' for Barrel 53
C	Type	The Code in Types grid in BMC. EX 'C' for Charred
D	Status	The Code in Status grid in BMC. EX 'EMP' for Empty
E	Condition	Honestly not sure, but likely 'N' or 'U' for New or Used
F thru J	Attributes	Depends on if attributes are setup, likely just text
K	Warehouse	Normal warehouse value, EX 'BA1'
L thru O	Bay, Row, Col, Pos	These are like sub-warehouses, if the client is using them it'd be a free text code that is not in any setup table. They are concatenated to form a unique bin code, like 'A-2-1-6'
P	Fill Count	The times filled, a numeric value, EX '1' or '0'
Q	BrlGLAcct	Offset GL Account for the barrel shell. EX '99925-99'
R	BrlValue	What's the barrel worth? EX '500' bucks?!?!
S	BrlQty	How many barrels? EX '18' if I'm loading 18 of the same type of barrel/liquid combination. EX '1' if this is unique by any means, including batch on liquid
T	LiquitmCode	This is a normal Item Code for the barrel aged liquid. EX 'BA1001'
U	LiqVolume	Numeric, be aware of UoM, probably bbls, EX '1.71' this is volume per barrel, so if you load in 10 filled barrels it will do the math to bring in 17.1 BBLs of BA1001.
V	LiqValue	Value of the liquid in each barrel, EX '500' bucks!
W	LiGLAcc	Offset GL Account for the barrel liquid, EX '99925-99'
X	LiqBatchID	Batch ID...
Y	LiqProof	Numeric Value, EX '89.8'
Z	FillDate	Date the barrel was filled, EX '02/15/2015'



Import file

Once the file is filled out, click the **Import File** button and select the file. Don't worry about mistakes being loaded in, this is just a staging worksheet to validate for errors. A simple and short file may look like this:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Template	Size	Type	Status	Condition	Attr1	Attr2	Attr3	Attr4	Attr5	Warehouse	Bay	Row	Col
2	BRL2000-E	BRL53	Non-Hone	EMP	U	3 Charred					BA01			
3	BRL2000-F	BRL53	Non-Hone	EMP	U	3 Charred					BA01			
4														

	P	Q	R	S	T	U	V	W	X	Y	Z
	FillCount	BrlGLAcc	BrlValue	BrlQty	LiqitmCoc	LiqVolum	LiqValue	LiqGLAcc	LiqBatchlc	LiqProof	FillDate
	0	99925-99	100	7							
	1	99925-99	100	4	BA1002	1.71	650	99925-99	21515	87.8	2/15/2015

Once it's imported, the Import Barrels form will populate with the row data if you entered valid data. If fields don't populate, you probably entered something wrong.

There is an '**Issues with Select Rows**' field that will tell what is wrong, if anything, in each row. Just click on a row and read the notes. The notes are literal and easy to follow!

Make sure to check the **Receipt Date** in the top left for these items! And that the **Totals** in the bottom right are agreeable (see following image).

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Template	Size	Type	Status	Condition	Attr1	Attr2	Attr3	Attr4	Attr5	Warehouse	Bay	Row	Col
2	BRL2000-E	BRL53	Non-Hone	EMP	U	3 Charred					BA01			
3	BRL2000-F	BRL53	Non-Hone	EMP	U	3 Charred					BA01			
4														

	P	Q	R	S	T	U	V	W	X	Y	Z
	FillCount	BrlGLAcc	BrlValue	BrlQty	LiqitmCoc	LiqVolum	LiqValue	LiqGLAcc	LiqBatchlc	LiqProof	FillDate
	0	99925-99	100	7							
	1	99925-99	100	4	BA1002	1.71	650	99925-99	21515	87.8	2/15/2015



Valid...	Shell	Size	Type	Status	Condition	Attr 1	Attr 2	Attr 3	Attr 4	Attr 5	Warehouse	Bay	Row	Col	Pos	Times F
Valid	Filled - Barrels 53 Gal #3 Char White Oak	Barrel 53	Non-Honey Comb	Empty	Used	3 Charred					BA01					1
valid	Empty - Barrels 53 Gal #3 Char White Oak	Barrel 53	Non-Honey Comb	Empty	Used	3 Charred					BA01					0
Invalid																0

Remarks

Issues with Selected Row
No issues.

Validate Cancel

Before you can submit the barrels for creation, you must validate. Click the **Validate** button in the bottom left. If all is well, the button text will display **Submit** for you to proceed.

Click **Submit** and say yes to the warning and the Barrel Edit form opens to show the barrels you just loaded in. Here you can make edits, and click **Submit**. Then you're done!

ID	Shell Item	ItemName	Type	Size	Condition	Status	Contents	Batch	Fill Volume	Proof	WhaCode	Bay	Row	Col	Pos	Attr 1
ORC-137	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty	BA1002	21515-110233-1	1.710	87.800	BA01					3 Charred
ORC-138	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty	BA1002	21515-110233-2	1.710	87.800	BA01					3 Charred
ORC-139	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty	BA1002	21515-110233-3	1.710	87.800	BA01					3 Charred
ORC-140	BRL2000-Filled	Filled - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty	BA1002	21515-110233-4	1.710	87.800	BA01					3 Charred
ORC-141	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-142	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-143	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-144	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-145	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-146	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred
ORC-147	BRL2000-Empty	Empty - Barrels 53 Gal #3 Char White Oak	Non-Honey Comb	Barrel 53	Used	Empty			0.000	0.000	BA01					3 Charred



Barrel history report

Summary

The Barrel History report shows a history of all transactions behind a barrel. Whether it's receiving, moving or retiring a barrel, it's shown here. Audit? Need to know the previous liquid held? Thought you had a barrel and now cannot find it? Please check this report out.

Where?

Go to Production > Production Reports > Orchestrated Reports > Barrel History.

Selection Criteria are:

Beginning date

End date

Group report by

... then Group by

The 'Group by' options have drop down fields specific to the parameters list below. And of course, the normal slough of Option Parameters:

Status

Condition

Barrel contents

Brand

Warehouse

Location

Size

Type

Barrel History- Selection Criteria

Beginning Date: 01/01/2017
End Date: 06/15/2017
Group Report by: Condition
...then Group by: Size

Optional Parameters:

Select Status(s): ...
Select Condition(s): ...
Select Barrel Content(s): ...
Select Brand(s): ...
Select Warehouse(s): ...
Select Location: Offsite Storage
Select Size(s): ...
Select Type(s): ...

OK Cancel

Above is a view of sample parameter selection.

And the sample output:



Barrel History

January 1 - June 15, 2017

CONDITION
Used

Barrel ID	Size	Vol	Type	Date	Doc#	Doc Type	Condition	Status	Fill Item
SIZE Barrel 53									
ORC-80	Barrel 53	1.71	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
ORC-81	Barrel 53	1.71	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
ORC-82	Barrel 53	1.71	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
SIZE Barrel 53 TOTAL							234	BAR	

SIZE Barrel 59									
OAK-1	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
OAK-2	Barrel 59	1.90	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
OAK-3	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
OAK-4	Barrel 59	1.90	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
OAK-5	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
OAK-6	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
OAK-7	Barrel 59	1.90	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
OAK-8	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005
				6/12/17	12117	Goods Receipt	U	Filled	BA1005
OAK-9	Barrel 59	1.90	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
OAK-10	Barrel 59	1.90	Bourbon	6/12/17	12117	Goods Receipt	U	Filled	BA1005
				6/12/17		Barrel Master	U	Filled	BA1005
OAK-11	Barrel 59	1.90	Bourbon	6/12/17		Barrel Master	U	Filled	BA1005



Barrel locations

Summary

Barrel Locations exist to provide a unique Bin Code for the location of your barrels. This addresses the need to locate your barrels more accurately than by warehouse alone.

On the Barrel Management Console

Barrel ID	Batch ID	Brand	Type	Size	Proof	Vol	Proof Gal	Condition	Status	Fill Date	Age	Warehouse	Bin Code	Notes	Attr 1
ORC-17	AW2-160202-10040-7	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled	02/27/16	1y 3m 2w	BA01	A-1-1-5	3 Charred	
ORC-18	AW2-160202-10040-8	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled	02/27/16	1y 3m 2w	BA01	A-1-1-5	3 Charred	
ORC-19	AW2-160202-10040-9	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled	02/27/16	1y 3m 2w	BA01	A-1-1-6	3 Charred	
ORC-20	AW2-160202-10040-10	AW	Non-Honey Comb	Barrel 53	169.000	53.000	89.57	Used	Filled	02/27/16	1y 3m 2w	BA01	A-1-1-6	3 Charred	

On the Barrel Master Data

Barrel Master Data

Barrel ID	ORC-19	Contents	BA1001	Attribute 1	3 Charred
Item Code	BRL2000-Filled	Contents Category	Whiskey	Attribute 2	
Warehouse	BA01	Contents Batch	AW2-160202-10040	Attribute 3	
Bin Code	A - 1 - 1 - 6	Fill Volume	53.000	Attribute 4	
Type	Non-Honey Com	Proof	169.000	Attribute 5	
Size	Barrel 53	Proof Gallons	89.570		
Condition	Used	Sequence	1		
Status	Filled	Fill Date	02/27/16		

Notes Add Note

You may notice that this is not editable.

Set and Change Bin Code

When you initially receive a barrel, or you are simply editing a barrel, the Barrel Edit form opens. This is where you can easily change the Bin Code of a barrel. It is defined by the **Bay**, **Row**, **Col** and **Pos**. See below:

ID	Shell Item	Item Name	Type	Size	Condition	Status	Contents	Batch	Fill Volume	Proof	WhtCode	Bay	Row	Col	Pos	Attr 1	Attr 2	Attr 3	Attr 4
ORC-19	BRL2000-Fil Filled	Barrel 53 Gal #3 Char White Oak Non-Honey Comb	Barrel 53	Used	Filled	BA1001	AW2-160202-10040	53.000	169.000	BA01	A	1	1	6	Charred				

These four fields are available on the Barrel Transfer function too!



Barrel Transfer											
Date: 06/15/12											
Barrel Id	Item	Contents	Contents Batch	Fill Volume	From Whs	From BinCode	ToWhs	Bay	Row	Col	Pos
ORC-19	BRL2000-Filled	BA1001	AW2-160202-10040-9	53.00	BA01	A-1-1-6					

The barrel locations become available if the user

- retires a barrel
- tips a barrel
- moves it to a new position