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## Premium Duty Drains

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Model 4110-012.....For Used Oil Only  
Model 4110-017.....For Used Antifreeze Only



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

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**OPERATION, INSTALLATION,  
MAINTENANCE AND REPAIR GUIDE**

## GENERAL SAFETY

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

### Terms:

**NOTE:** Gives more explanation of a procedure, or a helpful hint.



**CAUTION:** Alerts user to avoid or correct a condition, which may or could cause damage and/or destroy the equipment.



**WARNING:** Alerts user to avoid or correct conditions, which could cause bodily injury.

The following precautions should be observed to lessen the risk of equipment damage and/or personal injury:

- Check equipment regularly and repair or replace worn and damaged parts.
- Never alter or modify any parts of this drain. Doing so may cause damage to drain and/or personal injury.
- Always read and follow the fluid manufacturer's recommendations regarding proper use, handling, and disposal.

**THIS DRAIN CONTAINS ALUMINUM AND ZINC PLATED PARTS. DO NOT use 1-1-1 Trichloroethane, methylene chloride or other halogenated hydrocarbon solvents or fluids containing such solvents in this drain. Use of these solvents/fluids may result in a violent chemical reaction, causing serious bodily injury, property damage, or death.**

All fluids used in this drain must be chemically compatible with the materials used to manufacture the "wetted parts" (see TECHNICAL DATA). Consult your chemical supplier to ensure compatibility.

## TECHNICAL DATA

Capacity . . . . . 23 gallons  
Telescoping Range . . . . . 0-27 inches  
Wetted Parts . . . . . Zinc Plated Steel,  
Steel, Viton®, PVC  
Fluid outlet size . . . . . 3/4" NPT (M)

Viton is a registered trademark of E.I. Dupont.

## PRODUCT DESCRIPTION

The Premium Duty Drain is designed for fast, simple used fluid disposal. The tank holds 23 gallons of used fluid and has a clear visual level gauge. The bowl telescopes from 45" off the ground to 72", with a quick-action locking lever to securely hold the bowl at any height.

The drain has large diameter rubber wheels for ease of maneuvering through any shop. This drain is constructed of heavy gage steel to resist dents and rough handling.

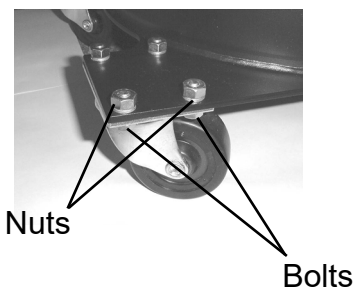
## ASSEMBLY

The Superior Duty Drain should be fully assembled before use.

1. Remove all components from shipping carton.
2. Attach rear wheels with washers and cotter pins provided. Insure the washer is on the side of the wheel with the cotter pin.



3. Install front casters by inserting bolts up through caster and weldment then secure with nuts provided.



4. Screw bowl onto riser tube.



## BOWL HEIGHT ADJUSTMENT

To raise the bowl, simply lift up on the bowl or drain pipe. To lower the bowl, support the bowl with one hand and with the other hand, lift up on the spring side of the locking bar on the quick action lock assembly. As the locking bar is moved toward a horizontal position, the bowl and drain pipe become free to move.



When the bowl is at the desired position, release the locking bar to secure the bowl and drain pipe in place.

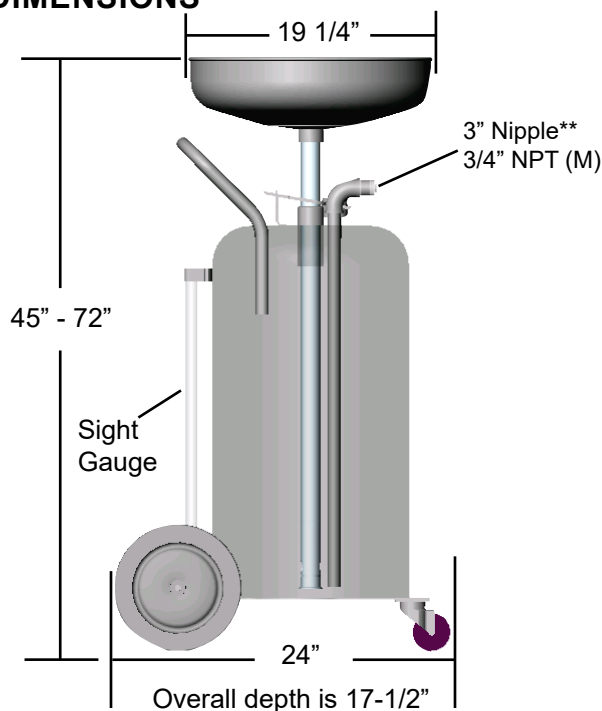


## OPERATION

NOTE: All fluids used in this drain must be chemically compatible with the materials used to manufacture the "wetted parts". Consult your chemical supplier to ensure compatibility.

1. Place the drain under vehicle and drain oil. When drain is full (use clear visual level gauge to monitor level of oil in the tank) move the drain near a waste oil tank or bulk storage container.
2. Use a waste oil pump to empty the drain into the waste oil receptacle.

## DIMENSIONS

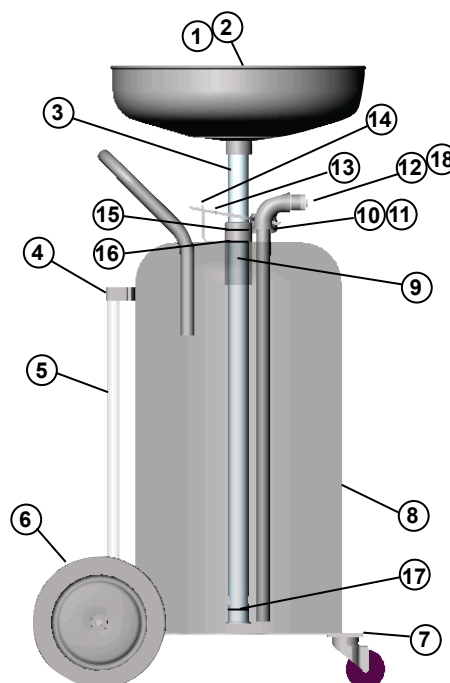


## PARTS LIST

ITEM	PART	DESCRIPTION	QTY
1	824211	Bowl	1
2	831424	Conical Spring*	1
3	831892	Riser Tube	1
4	807624	Pipe Clamp	1
5	831253	Hose Assy.	1
6	825221	Wheel	2
7	832446	Caster	2
8	831240	Tank Weldment (Oil)	1
	831279	Tank Weldment (Antifreeze)	1
9	832230	Guide Tube Assy.	1
10	824822	Clevis Pin	1
11	807727	Spring	1
12	828755	3" Pipe nipple 3/4" NPT (M)**	1
13	831174	Locking Handle	1
14	828474P	Latch Bracket	1
15	827442	O-Ring/Viton/-223	1
16	830277	O-Ring/Viton/2/031	1
17	827426	Snap Ring	1
18	828459	90° Elbow 3/4" x 3/4" NPT(F)	1

**\*\*NOTE:** Outlet is 3/4" NPT (M). For nipple/coupler connection options, see page 4.

\* Located inside bowl



## OUTLET COUPLER/NIPPLE OPTIONS

QUICK COUPLER/NIPPLE OPTION		ADAPTER FITTING(S) NEEDED					
Description	Model		Model		Model		Model
3/4" Dry Break Nipple	4140-023	+		+		+	
1" Dry Break Nipple	4140-051	+	3270-054	+		+	
3/4" Dry Break Coupler	4140-016	+		+		+	
1" Dry Break Coupler	4140-015	+	3270-054	+		+	
3/4" Cam-lock Nipple	4140-045	+	3270-087	+		+	
1" Cam-lock Nipple	4140-018	+	3270-087	+	3270-096	+	3270-096
3/4" Cam-lock Coupler	4140-044	+		+		+	
1" Cam-lock Nipple	4140-017	+	3270-054	+		+	
Description	Model	ADAPTER FITTING(S) NEEDED					
3/4" Dry Break kit*	4140-049		Model		Model		Model
	if using coupler	+		+		+	
	if using nipple	+		+		+	
1" Dry Break kit*	4140-048		Model		Model		Model
	if using coupler	+	3270-054	+		+	
	if using nipple	+	3270-054	+		+	
3/4" Cam-lock kit*	4140-047		Model		Model		Model
	if using coupler	+		+		+	
	if using nipple	+	3270-087	+		+	
1" Cam-lock kit*	4140-021		Model		Model		Model
	if using coupler	+	3270-054	+		+	
	if using nipple	+	3270-087	+	3270-096	+	3270-088

\* When choosing a kit, the adapters needed will depend on whether you choose the nipple or coupler to attach to the drain outlet. See the coupler kit Item list on next page for items included in kits.

## COUPLER KIT ITEM LIST

Kit Model	Included in kit	Description	Qty
4140-049	4140-016	Coupler, Dry Break	1
	4140-023	Nipple, Dry Break	1

Kit Model	Included in kit	Description	Qty
4140-048	4140-050	Coupler, Dry Break	1
	4140-051	Nipple, Dry Break	1

Kit Model	Included in kit	Description	Qty
4140-047	3230-007	Valve, Ball, Fluid 3/4"	1
	4140-045	Cam-lock Nipple 3/4"	1
	4140-046	Cam-lock Cap 3/4"	1
	4140-044	Cam-lock Coupler 3/4"	1
	4140-052	Cam-lock, Dust Plug 3/4"	1

Kit Model	Included in kit	Description	Qty
4140-021	3230-008	Valve, Ball, Fluid 1"	1
	4140-018	Cam-lock Nipple 1"	1
	4140-019	Cam-lock Cap 1"	1
	4140-017	Cam-lock Coupler 1"	1
	4140-053	Cam-lock, Dust Plug 1"	1

**For Warranty Information Visit:  
[www.balcrank.com](http://www.balcrank.com)**

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SERVICE BULLETIN SB4022  
Rev P 9/16

**Revision Log:**

Rev. H - Removed second washer on wheels.  
Rev. I - Added Strainer (item 2).  
Rev. J - Changed item 3.  
Rev. K - Changed to Conical Spring (item 2) &  
Changed to 832186 nylock nut  
Rev. L - Changed item 9.  
Rev. M - Updated Warranty Statement and changed  
part number of item 7 (caster)  
Rev. N - Updated part numbers for bowl & removed dry-  
break nipple from parts list. Added tables for  
optional nipples, couplers & kits  
Rev. O - Updated part number for item 14  
Rev. P - Added part number for 90° elbow on drain inlet