Softwash Mixing Unit for Bleach and NaClO

RCM12, RCM34
RCM12-ENC, RCM34-ENC



DURCM12

DURCM12-ENC



Owner's Manual M-0847 020322	
Serial Number:	**Installation Date:**

IMPORTANT



Please read and understand this manual. Store in safe location for future reference.

Everyone who operates this unit should understand basic operations and safety precautions! The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

If you have any questions or suggestions about this manual, please contact us at:

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Information

These systems are designed for control and mixing percentages of bleach, surfactants, and water to specific ratios using metering valves in soft wash applications.

Two valves have a scale setting for precise control of bleach solution and surfactant flow. Another valve is for standard flow without scale and is for use with fresh water.

All models are rated to 150 PSI at 80° F (26° C) and all valves feature PVC bodies with Viton seals.

Polypropylene check valves are designed to prevent any of the three products from backing up into the feed system.

The DURCM12 and ENC models feature 1/2” valves and fittings, and are rated from 4 to 6 GPM.
The DURCM34 and ENC models feature one 1/2” valve for surfactant and two 3/4” valves and fittings for high flow of water and bleach and are rated from 7 to 12 GPM.

DURCM12-ENC and RCM34-ENC are the same as their non -ENC counterparts, except these include a lockable, clear front enclosure that protects from weather or inadvertant and/or unwanted adjustment changes.

All systems have 1/4”, 1/2”, or 3/4” hose barbs as required for hookup to your existing inlet and outlet hoses (hoses are also available upon request).

Design

DURCM12: Left side valve without scale and 1/2” elbow or straight barb is for use with water. Middle valve with scale and 1/4” barb is for use with surfactant. Right side valve with scale and 1/2” elbow or straight barb is for use with bleach.

DURCM34: Left side valve without scale and 3/4” elbow or straight barb is for use with water. Middle valve with scale and 1/4” barb is for use with surfactant. Right side valve with scale and 3/4” elbow or straight barb is for use with bleach.

DURCM12-ENC: Left side valve without scale and 1/2” elbow or straight barb is for use with water. Middle valve with scale and 1/4” barb is for use with surfactant. Right side valve with scale and 1/2” elbow or straight barb is for use with bleach.

DURCM34-ENC: Left side valve without scale and 3/4” elbow or straight barb is for use with water. Middle valve with scale and 1/4” barb is for use with surfactant. Right side valve with scale and 3/4” elbow or straight barb is for use with bleach.

Troubleshooting

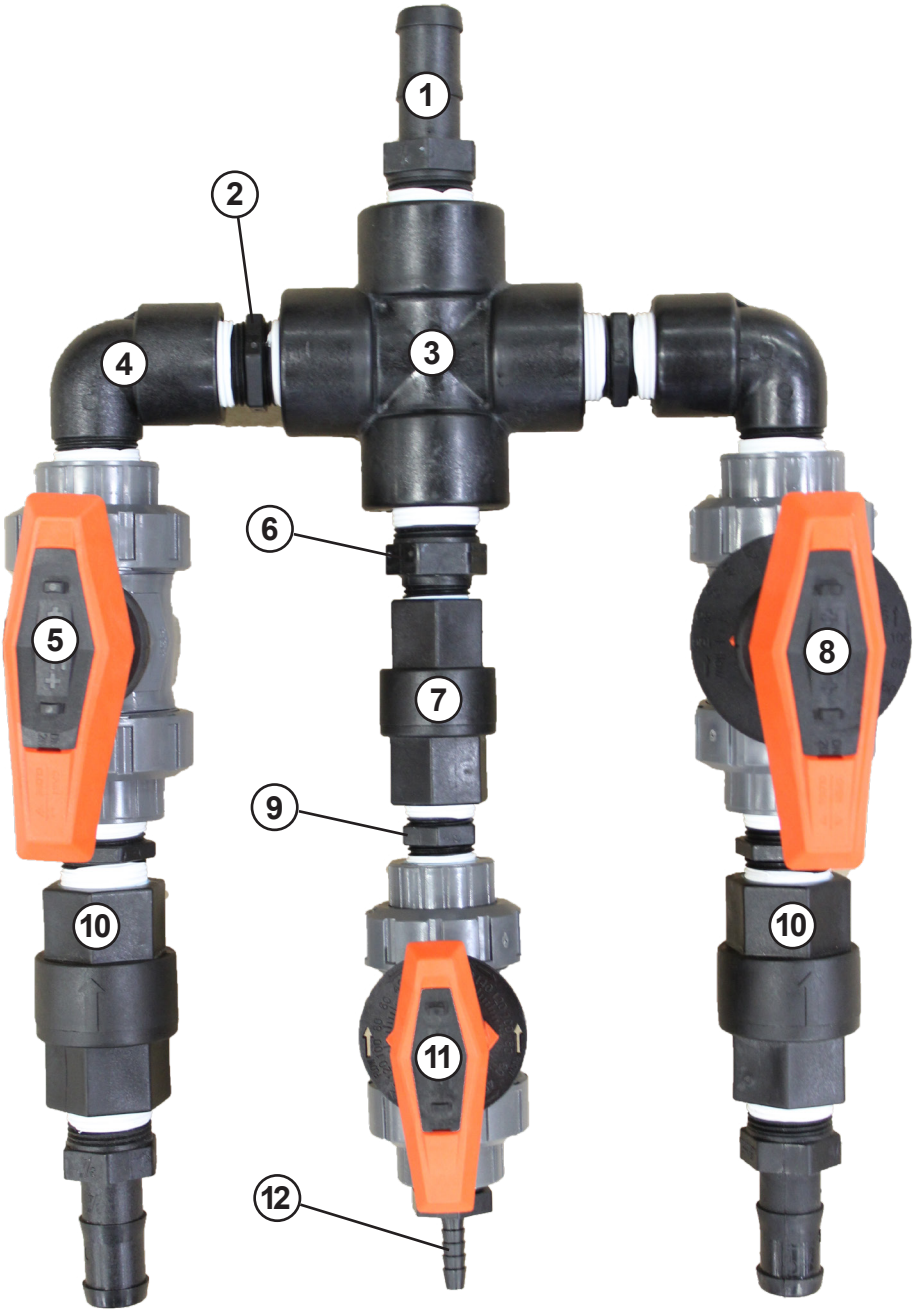
PROBLEM	CAUSE	SOLUTION
No flow through valves	Ball valve is closed	Open ball valve
	Debris in system	Remove debris and clean unit
Flow too high	Metering valve needs adjusted	Adjust metering valve to decrease flow
Flow too low	Metering valve needs adjusted	Adjust metering valve to increase flow
	Debris in system	Remove debris and clean unit
Backflow occurring into feed supply line	Debris keeping check valve from closing	Remove debris and clean unit
	Check valve has gone bad	Replace check valve

Parts Breakdown: DURCM12



Item	Part Number	Description	Quantity
1	TKPEL1212	1/2” MPT x 1/2” Hose Barb, Elbow	3
	TKPHB1212	*1/2” MPT x 1/2” Hose Barb, Straight*	*3*
2	TK900-1/2XCL	1/2” MPT Nipple	6
3	TK909-1/2	1/2” FPT Cross	1
4	TK908-1/2	1/2” Street Elbow	2
5	GF546-12V	1/2” Ball Valve without Scale	1
6	SM687-8VV	1/2” FPT Poly Check Valve	3
7	TW3A1214	1/2” MPT x 1/4” Hose Barb	1
8	GF523-12V	1/2” Ball Valve with Scale	1

Parts Breakdown: DURCM34



Item	Part Number	Description	Quantity
1	TKPHB3434	3/4” MPT x 3/4” Hose Barb, Straight	3
	TKPEL3434	*3/4” MPT x 3/4” Hose Barb, Elbow*	*3*
2	TK900-3/4XCL	3/4” MPT Nipple	4
3	TK909-3/4	3/4” FPT Cross	1
4	TK908-3/4	3/4” Street Elbow	2
5	GF546-34V	3/4” Ball Valve without Scale	1
6	TK911-21	3/4” MPT x 1/2” MPT Nipple	1
7	SM685-8VV	1/2” FPT Poly Check Valve	1
8	GFDN20-34V	3/4” Ball Valve with Scale	1
9	TK900-1/2XCL	1/2” MPT Nipple	1
10	SM687-12VV	3/4” FPT Poly Check Valve	2
11	GF523-12V	1/2” Ball Valve with Scale	1
12	TW3A1214	1/2” MPT x 1/4” Hose Barb	1

Parts Breakdown: DURCM12-ENC



Item	Part Number	Description	Quantity
1	INH161407HCLL	16”x14”x7” Enclosure	1
2	GF546-12V	1/2” Ball Valve without Scale	1
3	SM685-8VV	1/2” FPT Poly Check Valve	3
4	TW3A1214	1/2” MPT x 1/4” Hose Barb	1
5	TKPHB1212	1/2” MPT x 1/2” Hose Barb	4
6	GF523-12V	1/2” Ball Valve with Scale	2
7	PVC MANIFOLD	1/2” PVC Manifold for RCM12	1

Parts Breakdown: DURCM34-ENC



Item	Part Number	Description	Quantity
1	INH181610HCLL	18”x16”x10” Enclosure	1
2	GF546-34V	3/4” Ball Valve without Scale	1
3	SM685-12VV	3/4” FPT Poly Check Valve	2
4	TK900-1/2XCL	1/2” MPT Nipple	1
5	SM685-8VV	1/2” FPT Poly Check Valve	1
6	GF523-12V	1/2” Ball Valve with Scale	1
7	TW3A1214	1/2” MPT x 1/4” Hose Barb	1
8	TK900-3/4XCL	3/4” MPT Nipple	2
9	TKPHB3434	3/4” Hose Barb	3
10	GFDN20-34V	3/4” Ball Valve with Scale	1
11	PVC MANIFOLD	3/4” PVC Manifold for RCM34	1

Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.

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