

Culligan[®]



**PORTABLE SERVICE
REGENERATION PLANT EQUIPMENT
WITH PARTS LISTS**

CULLIGAN INTERNATIONAL COMPANY/NORTHBROOK, IL & SUBSIDIARIES OR DIVISIONS
CULLIGAN USA DIVISION/NORTHBROOK, IL 60062 — SAN BERNARDINO, CA 92402
CULLIGAN NV/BRUSSELS, BELGIUM — CULLIGAN ITALIANA SpA/BOLOGNA, ITALY
CULLIGAN OF CANADA, LTD./MISSISSAUGA, ONTARIO, CANADA L5K 1A5
CULLIGAN ESPANA S.A./08191 RUBI (BARCELONA), SPAIN



⚠ WARNING: IF INCORRECTLY INSTALLED, OPERATED OR MAINTAINED, THIS PRODUCT CAN CAUSE SEVERE INJURY. THOSE WHO INSTALL, OPERATE, OR MAINTAIN THIS PRODUCT SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO INSTALL, OPERATE, OR MAINTAIN THIS PRODUCT.

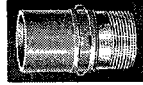
Culligan[®]
PORTABLE SERVICE
REGENERATION PLANT EQUIPMENT
WITH PARTS LISTS

TABLE OF CONTENTS

Backwash Funnel Equipment 2
Plastic Backwash Funnel and Troughs 4
Regeneration Hoses and Flow Controls..... 5
Regeneration Plant Equipment 8
Brine Recovery Equipment 11
Regeneration Plant Supplies 13
Universal Controller 14

BACKWASH FUNNEL EQUIPMENT

ADAPTER, FUNNEL, PLASTIC



A plastic sight tube, clamp and tygon tubing attached to funnel cut-off and connector assembly (PN 00-4333-60) for adapting to plastic backwash funnels. Approximately 2-1/2 inches long. For complete assembly, allow approximately 12 inches from top of exchange unit to spout of plastic backwash funnel. (Adapts funnel cut-off and connector assembly to funnel spout).

Part No. 00-4333-10

CLAMP, HOSE, DOWNSPOUT



Clamp is used to fasten downspout hose to plastic overflow trough. Clamps are available in 4-inch and 6-inch diameters.

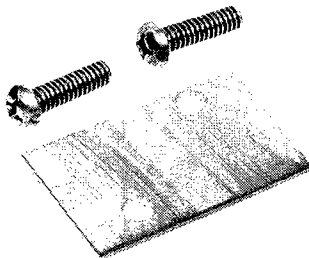
Part No. 00-4017-52 (4-inch diameter)
Part No. 00-4017-57 (6-inch diameter)

CLAMP, HOSE, NO. 60 CRS 1-7/8 MAX.



Used to secure 00-4333-00 and 00-4333-50 funnel connectors to funnels. Has expandable band and thumb screw for tightening.

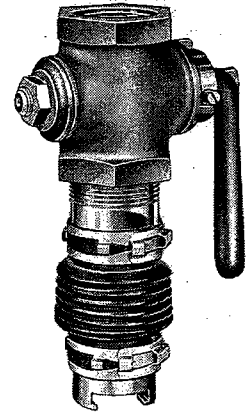
Part No. 00-4517-00



CLIP, RETAINING

Limited to use on not more than 20 psi (1.4 bar) air or water pressure. Used to hold plastic tank fittings in tank during plant reconditioning of household automatic tank assemblies.

Part No. 00-4447-81



CUT-OFF, FUNNEL AND CONNECTOR (ASSEMBLY)

An extremely functional funnel accessory! The valve serves as a means of holding both mineral (during leaker exchange) and water (after backwash, eliminating splash when the tank is disconnected). Easily installed on present funnel assemblies. Older steel funnel assemblies must be modified by brazing a 1 1/4-inch close nipple to a base of cone. Approximately 7-1/2 inches long.

Part No. 00-4333-60

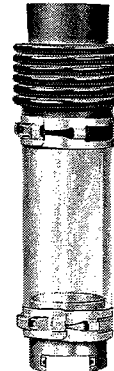
Part No. 00-4333-70 (Same as 00-4333-60, less valve)

⚠ WARNING! 00-4623-50 RUBBER BOOT IS NOT DESIGNED FOR HIGH PRESSURE APPLICATIONS. BOOT WILL FAIL UNDER LINE PRESSURE IF FUNNEL IS BLOCKED OR CUT-OFF VALVE IS CLOSED. CARE SHOULD BE EXERCISED WHEN CONNECTOR IS DISENGAGED FROM TANK ON 00-4333-60 AND EARLY 00-4333-50 MODELS. IF CONNECTOR IS RAPPED CARELESSLY, THE BOOT MAY BE CUT AGAINST THE UPPER EDGE OF THE 00-4619-00 CONICAL FITTINGS.

BACKWASH →



← FLEXIBLE



CONNECTOR, FUNNEL, BACKWASH (ASSEMBLY)

Consists of a clear plastic connecting hose, 00-4619-00 conical slip fitting and 00-4618-00 gasket. Prevents loss of mineral. A must for use with the media return pump, as it provides an air-tight seal.

Part No. 00-4333-00

Part No. 00-4623-10 (9-inch tubing, without conical fitting)

CONNECTOR, FUNNEL, FLEXIBLE (ASSEMBLY)

Improved backwash funnel connector that affords ease of connection, accordion action rubber boot that stretches to compensate for irregularities in floor level, and clear plastic tubing for visible check of media return.

Part No. 00-4333-50

BACKWASH FUNNEL EQUIPMENT

Part No.	Description
00-4619-00	Conical Slip Fitting, for 00-4333-00, 00-4333-50 and 00-4333-60 Connectors
00-4623-00	Plastic Connector Tubing - by foot - Transparent vinyl tubing. 1-7/16-inch, I.D. with 1/8-inch wall. Used for 00-4333-00 Connector. Available in random lengths. Maximum length - 10 feet.
00-4623-20	Clear Plastic Tubing - 4-1/2 inch - for 00-4333-50 Connector
00-4623-50	Rubber Boot - for 00-4333-50 and 00-4333-60 Connectors
00-4623-51	Tinnerman Clamp - for fastening replacement parts on 00-4333-00, 00-4333-50 and 00-4333-60 Connectors.
00-3297-20	Reinforcing Ring, Brass - Used at connection of Rubber Boot and Vinyl Tubing on 00-4333-50 Connector.
00-4333-61	Brass Plug Valve, 1-1/4 inch - for 00-4333-60 Cut-off Connector Assembly.
00-4333-62	Nipple, Clear Plastic - for 00-4333-60 Cut-off Connector Assembly.



HOSE, HEADER BACKWASH

24-inch plastic. The same general construction as the 00-4322-01 hose, except that transparent vinyl tubing is used. This material is extremely flexible. The transparency is an important feature for mineral return pump installations, affording a means of detecting mineral loss from a faulty outlet manifold or air leaks which could impair the action of the pump.

CAUTION: *This hose should not be subjected to static of flowing pressures exceeding 50 psi.*

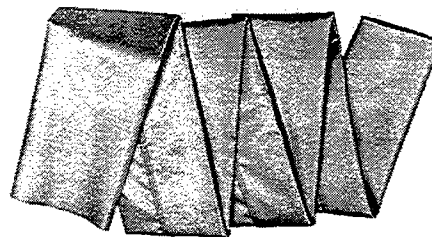
Part No. 00-4334-00



HOSE, HEADER, BACKWASH

24-inch rubber hose fabricated from high quality, reinforced rubber with a 3/4-inch NPT adapter on one end and a special female coupling on the other. Both fittings are of corrosion resistant brass. The female coupling is machined to accommodate a larger gasket to reduce pressure loss.

Part No. 00-4322-01



HOSE, DOWNSPOUT

Neoprene impregnated nylon fabric. One end 6-inch I.D. tapering to 5-inch I.D. at the other end. Used with 00-4017-60, 00-4017-56 and 00-4017-59 plastic overflow troughs.

LARGE DIAMETER Part No. 00-4017-54

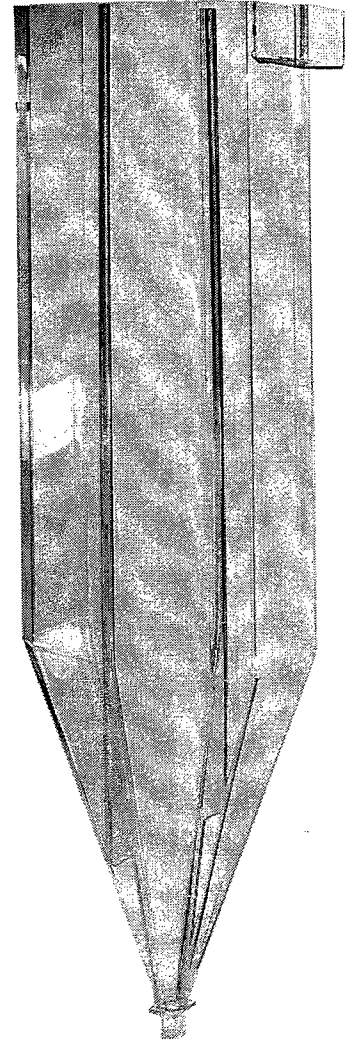
HOSE, DOWNSPOUT

Neoprene impregnated nylon fabric. One end 4-inch I.D. tapering to 3-inch I.D. at the other end. Used with 5 unit, galvanized backwash funnel.

SMALL DIAMETER Part No. 00-4017-53

PLASTIC BACKWASH FUNNEL AND TROUGHS

- ▶ **Greater volume allows faster backwashing without loss of media**
- ▶ **Angular design facilitates a smooth circular backwash flow**
- ▶ **Plexiglas material is corrosion free and shatterproof**
- ▶ **Extended overflow lip eliminates spillage**
- ▶ **Transparent Plexiglas material allows operator to accurately determine when backwashing is completed**
- ▶ **Extra adhesive at key points provide additional strength**
- ▶ **Lightweight - only 20 pounds**



FUNNEL, BACKWASH

Part No.	Description
00-4017-49	U.S.A. ONLY, 48-inch Height
00-4017-58	U.S.A. ONLY, 60-inch Height
00-4015-21	U.S.A. ONLY, 72-inch Height

CEMENT, FUNNEL REPAIR, 5 OZ. TUBE

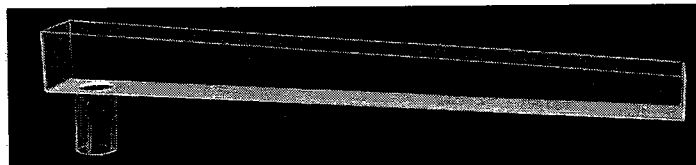
Consists of a single tube of cement used for the repair of plastic funnels and troughs.

Part No. 00-4017-64

FUNNEL WEIR, Part No. 01-0010-25
 FUNNEL SPOUT, Part No. 01-0005-66

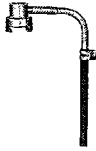
TROUGH, OVERFLOW

For use with backwash funnels.



Part No.	Description
00-2446-05	(U.S.A. Only) Trough, Overflow, Plastic, 1 Unit
00-4017-61	(U.S.A. Only) Trough, Overflow, Plastic, 3 Unit
00-4017-59	(U.S.A. Only) Trough, Overflow, Plastic, 5 Unit

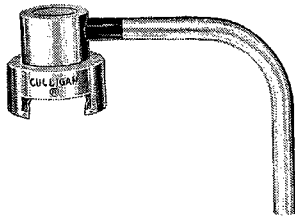
REGENERATION HOSES AND FLOW CONTROLS



FLOW CONTROL, DRAIN (SERIES REGENERATION)

1.4 GPM. Regulates regeneration flow rate in the series brining of zeolite service units. Maintains correct flow rate over pressure range of 12 psi to 100 psi to ensure efficient regeneration. Flow control is pressed into body of female coupling. Assembly includes a 3/8-inch plastic drain tubing to reduce splash.

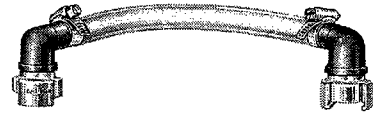
Part No. 00-4320-08



FLOW CONTROL, DRAIN (PARALLEL REGENERATION)

Used to regulate regeneration flow rate in the dilute brining of service units with Cullex[®] resins. Maintains proper regeneration flow rate over a pressure range of 19 psi to 120 psi to ensure maximum regeneration efficiency. One drain control is required on each unit being regenerated, the flow rating depending upon the amount of mineral and the type of regeneration (conventional or C.I.C.). Each is color coded to designate the flow rating.

Part No.	Description
00-4320-05	Green - 0.25 gpm - used in C.I.C. regeneration of 3/4 or 1 cu. ft. units and conventional regeneration of 3/4 cu. ft.
00-4320-06	Red - 0.35 gpm - used in the conventional regeneration of 1 cu. ft. units and C.I.C. regeneration of 1-1/2 cu. ft. units.
00-4320-07	Yellow - 0.5 gpm - used in the conventional regeneration of 1-1/2 cu. ft. units.



HOSE, INTERCONNECTING

Used to connect the outlet coupling of one tank to the inlet coupling of the next tank in the series regeneration of zeolite service units. Tubing is longer than the actual distance between the two fittings so that it will curve horizontally. The extra length permits easy tank engagement even if tanks are out of line or not spaced evenly. Pressure rated at 90 psi.

Part No. 00-4318-06

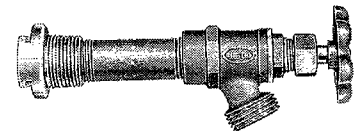
KIT, FLOW CONTROL (INFLUENT)

Part No.	Description
00-4433-90	0.25 gpm Restrictor Kit
00-4433-91	0.35 gpm Restrictor Kit
00-4433-92	0.50 gpm Restrictor Kit

RESTRICTOR, CYCOLAC (FOR EFFLUENT BRINE HEADER)

Part No .	Description
00-3315-85	Green - 0.25 gpm - used in C.I.C. regeneration of 3/4 or 1 cu. ft. units and conventional regeneration of 3/4 cu. ft.
00-3315-86	Black - 0.35 gpm - used in the conventional regeneration of 1 cu. ft. units and C.I.C. regeneration of 1-1/2 cu. ft. units.
00-3315-87	Yellow - 0.5 gpm - used in the conventional regeneration of 1-1/2 cu. ft. units.
00-4479-86	O-ring for above restrictors.

VALVE, BLEED, ASSEMBLY



Used to bleed air from parallel header to prevent air-locking. One required with either 5 unit or 10 unit header.

Part No. 00-4328-20



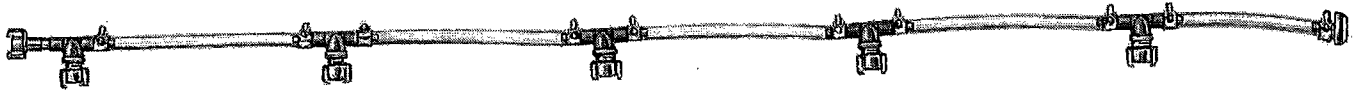
HEADER, BRINE, PARALLEL - 5 UNIT

Used to connect either the influent or effluent coupling in a parallel arrangement. The final tee is a female coupling which is used to engage an additional header for a 10-unit header or a PN 00-4328-20 bleed valve assembly.

For use to channel the effluent to a divert valve for brine discharge or recovery, the individual female couplings must have the proper restrictors inserted. Order restrictors and O-rings separately.

Part No. 00-4328-14

† † LOW PROFILE REGENERATION HOSES (THRU 1971)



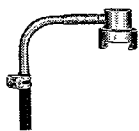
PARALLEL BRINE HEADER W/O RESTRICTORS (PN 00-4328-15) AND BRINE RECOVERY HEADER WITH RESTRICTORS (PN 00-4328-25)

Part No.	Description	Part No.	Description
00-2003-09	Female Coupling - w/o Restrictor (for tank)	00-5546-02	Tee - w/o Hose Shank
00-2034-05	Male Coupling Assembly (Header End)	00-6803-04	O-ring (for coupling)
00-3315-10	Female Coupling (Header End)	00-3315-85*	Restrictor, 0.25 gpm (green)
00-2037-05	Rubber Gasket	00-3315-86*	Restrictor, 0.35 gpm (black)
00-4318-03	Hose Shank	00-3325-87*	Restrictor, 0.5 gpm (yellow)
00-4501-00	Plastic Hose (per foot)	00-4479-86*	O-ring for Restrictors
00-4517-01	Hose Clamp		

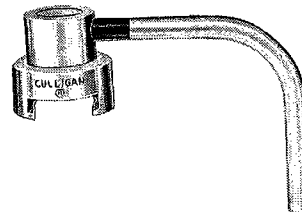
* Used in effluent header application only.

† † Low profile hoses manufactured thru 1971 have tank couplings with O-ring seal located BELOW threaded portion of coupling.

LOW PROFILE REGENERATION DRAIN CONTROLS



Part No. 00-4320-08



Part No. 00-4320-05
Part No. 00-4320-06
Part No. 00-4320-07

REPLACEMENT PARTS (1973-1/2 - TO DATE)

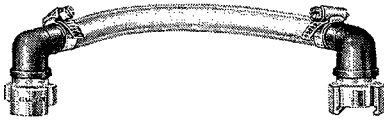
Part No.	Description
00-4479-86	O-ring
00-3315-85	0.25 gpm Restrictor (green plastic)
00-3315-86	0.35 gpm Restrictor (black plastic)
00-3315-87	0.50 gpm Restrictor (yellow plastic)
00-3315-76	0.4 gpm Restrictor (red plastic)
00-2037-16	Coupling Gasket (screened)

REPLACEMENT PARTS (1963 THRU 1973-1/2)

Part No.	Description
00-3316-17	Restrictor Housing
00-3251-01	Coupling Insert
00-4479-86	O-ring
00-3316-53	0.25 gpm Restrictor (No. 3)
00-3316-54	0.35 gpm Restrictor (No. 4)
00-3316-55	0.50 gpm Restrictor (No. 5)
00-3316-58	1.4 gpm Restrictor (No. 8)
00-2037-16	Coupling Gasket (Screened)

NOTICE: If using the above parts to upgrade older assemblies, be sure to order PN 00-3251-01, coupling insert.

LOW PROFILE INTERCONNECTING HOSE



Part No. 00-4318-06

Part No.	Description
00-2003-10	Coupling
00-4501-00	Hose, Plastic (per foot)
00-4517-01	Hose Clamp
00-3084-61	O-ring
00-4488-34	Elbow w/adaptor
00-2037-05	Rubber Gasket

† LOW PROFILE REGENERATION HOSES (1972 TO DATE)

KIT, FLOW CONTROL, INFLUENT

Part No.	Description
00-4433-90	0.25 gpm Restrictor Kit
00-4433-91	0.35 gpm Restrictor Kit
00-4433-92	0.50 gpm Restrictor Kit

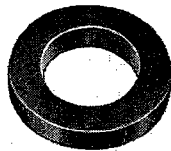


PARALLEL BRINE HEADER AND BRINE RECOVER HEADER (PN 00-4328-14)

Part No.	Description	Part No.	Description
00-2034-05	Male Coupling Assy. (Header end)	00-4318-03*	Shank (only)
00-3315-10	Female Coupling (Header end)	00-4328-27	Tee with Hose Shank
00-2037-05	Rubber Gasket	00-3084-61	O-ring (for coupling)
00-4501-00	Plastic Hose (per foot)	00-3315-85*	Restrictor, 0.25 gpm (green)
00-4517-01	Hose Clamp	00-3315-86*	Restrictor, 0.35 gpm (black)
00-2003-10	Female Coupling - w/o Restrictor (for tank)	00-3315-87*	Restrictor, 0.50 gpm (yellow)
		00-4479-86*	O-ring for Restrictors

*Used in **effluent** header application **only**.

† Low profile hoses manufactured from 1972 to date have tank couplings with O-ring seal, located ABOVE threaded portion of couplings.



GASKET, LUBRICATED (LARGE)

Used on 00-4322-01 backwash header hose, 00-4334-00 backwash header hose, and 00-4619-00 conical fitting.

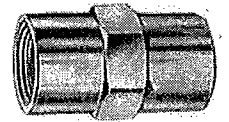
Part No. 00-4477-75



GASKET, LUBRICATED (STANDARD)

Used on all hoses and fittings EXCEPT 00-4322-01 backwash header hose, 00-4334-00 backwash header hose and 00-4619-00 conical fitting in funnel connector assemblies.

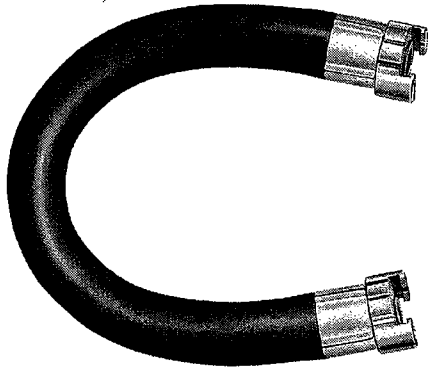
Part No. 00-2037-05



CONTROLS, FLOW (WITHOUT HOSE)

Part No.	Flow Rate	IPT Size
00-4548-00	.35 gpm	3/8-inch only
00-4593-00	2.5 gpm	1/2-inch
00-2221-00	3.0 gpm	1/2-inch
00-3257-00	1.7 gpm	3/4-inch
00-3259-00	5.5 gpm	3/4-inch
00-3264-00	8.0 gpm	3/4-inch
00-3263-00	10.0 gpm	3/4-inch

REGENERATION PLANT EQUIPMENT



HOSE, INTERCONNECTING

Used in the series regeneration of Cullite[®] Zeolite. Overall length is 18 inches. Assembled with pliable rubber hose and corrosion resistant brass female couplings on each end. Features "safety design" slip connectors.

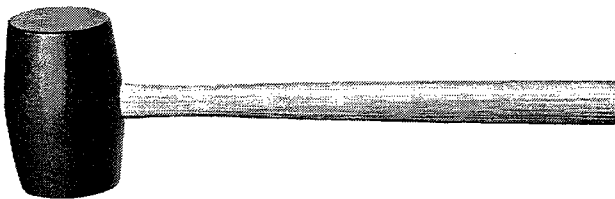
Part No. 00-4318-00



HOSE, SALTING 36

36 inches. Assembled with pliable rubber hose. Similar to 00-4322-01 Backwash Header hose, except 36-inch overall length. Used as a station hose in brine measuring tank, salt pot and automatic plants. Features "safety design" slip connector. Uses 00-2037-05 gasket.

Part No. 00-4324-00



MALLET, RUBBER

Use any place where hard blow is required without marring surfaces. Specially adapted for use on tanks during plant backwash.

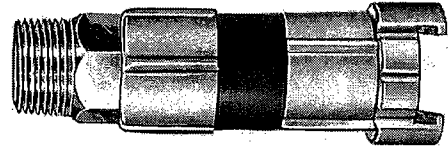
Part No. 00-4716-00



SALOMETER

A necessity for measuring concentrations of brine solutions. The salometer is widely used in brine recovery operations.

Part No. 00-4719-00



CONNECTOR, FLEXIBLE 4-5/8" (LOCK RING INCLUDED)

4-5/8 inches overall length. Used with the Cullisorb[®] filter media Regeneration Pot or for the assembly of parallel brine headers. Features the "safety design" slip connector.

Part No. 00-3203-01



CONNECTOR, FLEXIBLE 6-3/8" (LOCK RING INCLUDED)

6-3/8 inches overall length with 1/2 inch NPT hose shank adapter. Used for the assembly of parallel brine headers. Features "safety design" slip connector.

Part No. 00-4316-00

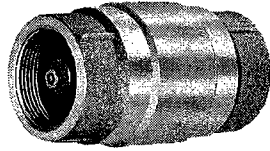


BAR, KNOCK-OFF

Used to disconnect slip connectors from tanks during exchanges. Bar is 5/8 inch in diameter by 7 inches long. This popular tool is covered with rubber to protect fittings. Rubber cover has tread to assure long life.

Part No. 00-4310-00

REGENERATION PLANT EQUIPMENT

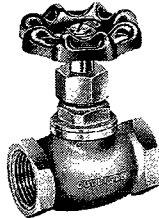


VALVE, CHECK

Brass body with spring-loaded stainless steel and rubber poppet. Required for each regeneration station and recommended on all soft water flush lines.

Part No. 00-5427-01 (3/4 inch NPT)

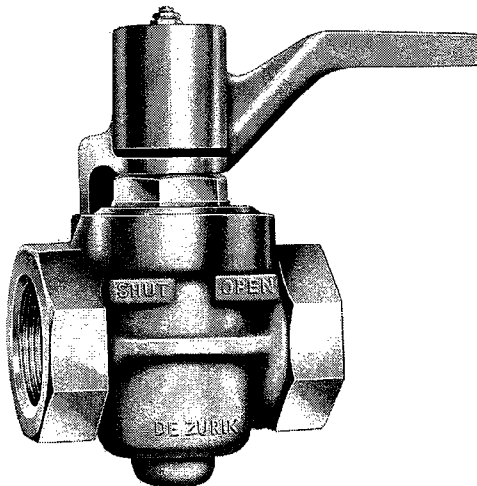
Part No. 00-5427-05 (1 inch NPT)



VALVE, GLOBE

A rugged globe valve with 3/4 inch NPT. Requires only 1-3/4 turn from open to close position. All brass construction with stainless steel disc screw. Recommended for all regeneration stations.

Part No. 00-5769-00

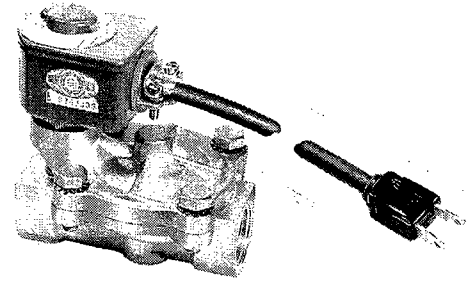


VALVE, QUICK-OPENING

Machined from nickel-chrome alloy cast iron. Opens fully with only one quarter turn. Provides instantaneous regulation of backwash water.

Part No. Description

00-4845-00 For Backwash Header - 3/4 inch valve



VALVE, SOLENOID 3/4 INCH AND 1 INCH

Suitable for all regeneration plant applications. Diaphragm type valve with improved pressure drop characteristics. Forged brass body, stainless steel core and Hycar diaphragm provide maximum corrosion resistance. This is a packless type valve. Parts can be replaced without removing valve from line. 120V/60Hz.

Part No. 00-4704-25 (3/4" with cord)

Part No. 00-4704-14 (3/4" without cord)

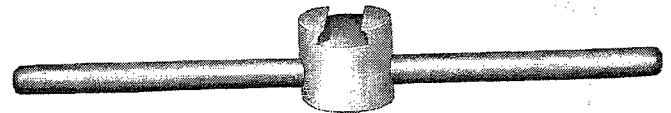
Part No. 00-4704-58 (1" without cord)



WASHER, INSERT, FIBER

To provide added thickness to 00-4618-00 Gasket to compensate for fitting wear.

Part No. 00-2038-12



WRENCH, COUPLING

Used for removing couplings from top of tank. Heavy steel head is female coupling, machined to make a tight connection with male tank coupling. Has 14 inch handle that slips through head. Gives sufficient leverage to remove tight couplings.

Part No. 00-4710-00

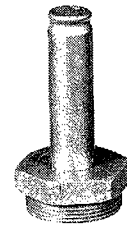
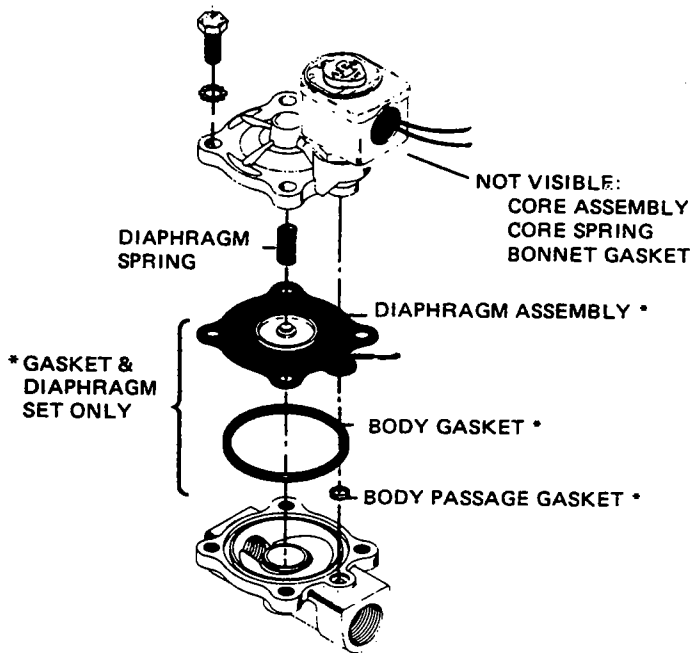
SOLENOID VALVES - 3/4 AND 1 INCH

3/4 INCH VALVE

Part No.	Description
00-4704-59	Coil, 120V
00-4704-55	Rebuilding Kit*

1 INCH VALVE

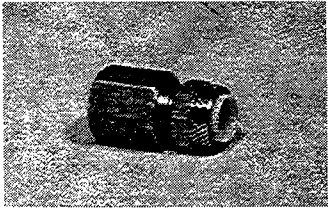
Part No.	Description
00-4704-59	Coil, 120V
00-4704-57	Rebuilding Kit*



**BASE, SOLENOID,
REPLACEMENT
Part No. 00-4704-60**

* Parts included in rebuilding kit.

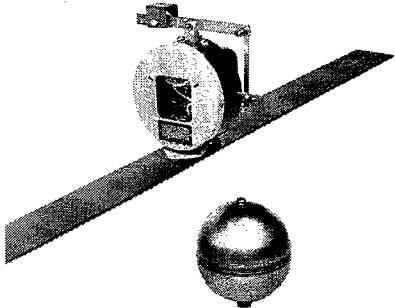
BRINE RECOVERY EQUIPMENT



ADAPTER, STRAIGHT BRASS

Compression fittings are used to connect water line (pressure) to the solenoid valve and from the solenoid valve to the diaphragm valve. Use PN 00-3030-76, 3/8 inch plastic tubing.

Part No. 00-3030-78
 Part No. 00-3030-76 Tubing, per foot (not illustrated)

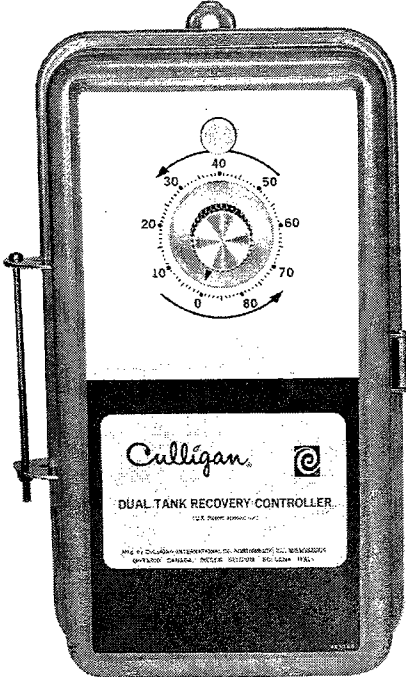


CONTROL, LEVEL, BRINE RECOVERY (COMPLETE)
 Part No. 00-4430-65

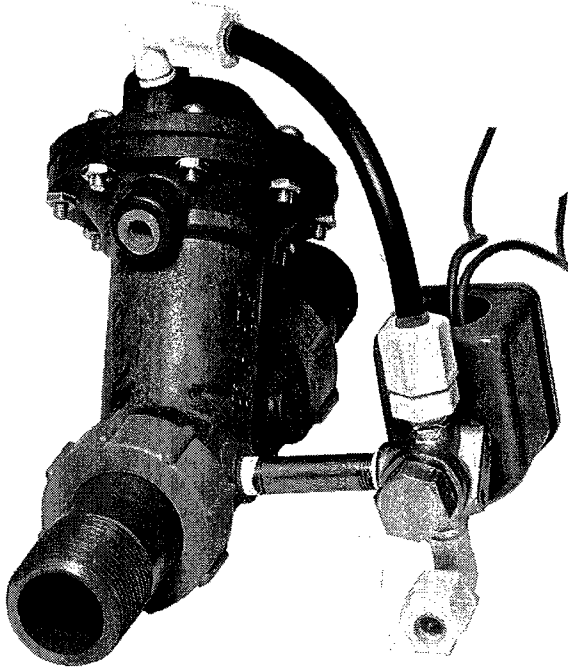
**SWITCH W/FLOAT AND ROD ONLY
 (NO MOUNTING BRACKET)**
 Part No. 00-4430-64

Part No.	Description	Required
00-2289-08	Clamp, Beam	3
00-3183-20	Nut, Br. 10-32 Hex.	2
00-3184-27	Screw, S.S.; 10-32 x .437" RH Slot	2
00-3184-39	Screw, Br. 0.250" - 20 x 0.375 RH Slot	2
00-4430-64	Control, Level w/Float and 8' S.S. Rod	1
00-4431-51	Bracket Stl. 0.125" x 2.50" x 37,500"	1

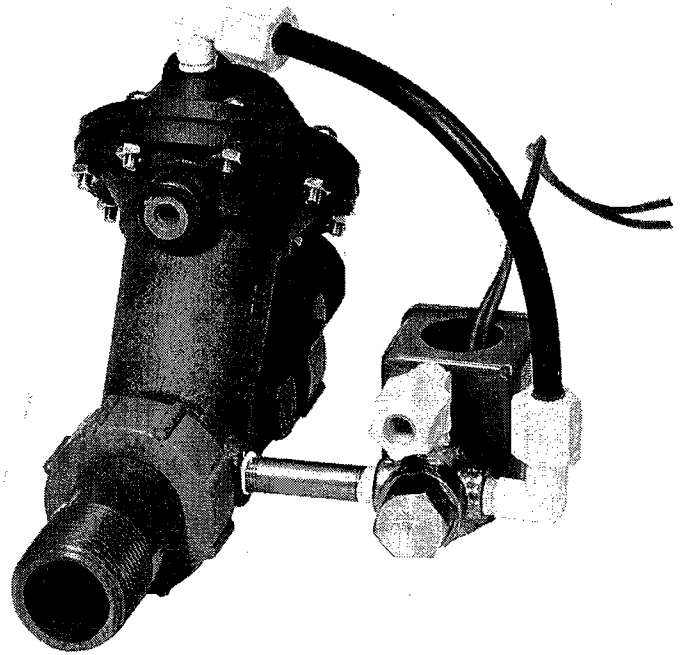
- Recovery Controller - (Complete) ... 00-4430-67
- Machined Control Box, Only 00-4430-66
- Light - White 120/60 00-4005-92
- Washer - Rubber, piolet 00-4005-76
- Timer - 90 min. 120/60 00-4439-79
- Timer Knob - Black 00-4005-87
- Washer - Felt Timer Knob 00-4005-86
- Decal, Outer Door 00-4430-68
- Relay 00-4009-34



DRAIN AND DIVERT VALVES



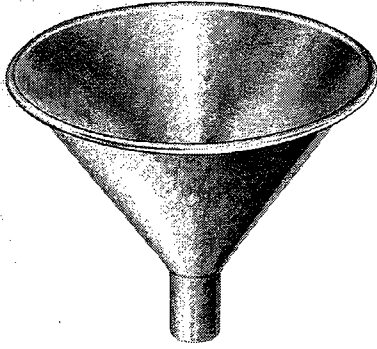
**NORMALLY OPEN
DRAIN VALVE -
PN 00-4431-53**



**NORMALLY CLOSED
DIVERT VALVE -
PN 00-4431-52**

Part No.	Description	No. Req'd.
00-X164-09	Valve, Solenoid	1
00-3030-84	Adapter, Elbow, .312" Plastic x 0.125	3
00-3031-28	Tubing, 0.312 OD x 0.189	1 ft.
00-3031-92	Insert, Plastic, 0.312	3
00-3031-93	Nut, Polypr. 0.312 OD Tubing	3
00-4463-55	Valve Body, Machined	1
00-9398-84	Adapter, Str., .312" Plas. x .125 NPTE	1
00-4425-77	Tube, Extension PVC 1" NPTE	2

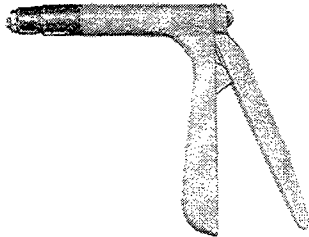
REGENERATION PLANT SUPPLIES



FUNNEL, FILLING, SALT POT

Fabricated from 22 gauge steel with major diameter of 14-1/4 inches and spout diameter of 2 inches.

Part No. 00-4730-00



EXTRACTOR, MANIFOLD

A "pistol-grip" design which provides positive lever action. The lever action causes gaskets to compress and exert a gripping action on the inside of either the brass or nylon manifold. Provides better leverage for removing tight manifolds and eliminates scuffed knuckles and pinched fingers. Constructed of cast aluminum with rubber gaskets of two diameters. A quick, efficient tool that will decrease manifold breakage and save time.

Part No. 00-4005-50

Part No.	Description
00-4005-05	Gasket, small (for plastic manifolds)
00-4522-00	Gasket, large (for brass manifolds)
00-4005-03	Washer, brass
00-4005-14	Extractor Screw
00-3184-22	Extractor Nut



LUBRICANT, SILICONE

This stiff, non-melting silicone lubricant and sealing compound provides excellent results for lubricating plastic and rubber parts. Silicone lubricant seals vacuum and pressure systems, maintains its consistency from 40°F to 500°F and is moisture and chemical resistant.

Part No. 00-4715-07

AUTOMATIC REGENERATION CONTROLS

CONTROLLER, UNIVERSAL

Designed to effectively handle any regeneration requirement that might occur in plant operation. This versatile four-in-one unit replaces the master, station, primary and diversion controls and also accommodates C.I.C. regeneration. A central control panel arrangement is ideal because the actual station of operation is completely remote from the control. The Universal Controller is listed with Underwriters' Laboratories. 120V/60 Hz.

Part No. 00-4005-75



UNIVERSAL CONTROLLER (1968 TO DATE)

Part No.	Description
01-0028-97	Timer Case, Machined
†00-4439-79*	Timer Assembly - Recharge and Divert (90 min.)
†00-4439-80*	Timer Assembly - Delay, Chlorine and Rinse (180 min.)
†00-4439-78*	Timer Assembly - Pulse
†00-4008-63	Fuse - 5 amp.
†00-4005-67	Fuse Holder
†00-4005-88	On-Off Switch
00-5711-29	Decal
00-4005-87	Timer Dial - Large
00-4005-85	Timer Dial - Small
00-4005-86	Washer behind Timer Dial

Part No.	Description
00-4005-92	White Indicator Light
00-4008-96*	Relay
00-4005-98*	Hinge Screw
00-4005-99*	Hinge Nut
00-3184-72*	Motor Mount Screw
00-4005-93*	Plastic Tie
00-4005-81*	Protective Barrier
00-X202-34*	Rubber Washer for Motor Mounting to Case
†00-4499-90*	Selector Switch Assembly
00-4008-68*	Terminal Strip - 12 Position
00-4439-88*	Barrier Strip

* Not Visible on Photo

† Recommended Spare Parts

(1963 - 1968)

Part No.	Description
00-4008-96	Relay, Instant (1966-1968)
00-4008-99	Fuse, 8 amp (1963-1968)
00-4008-75	Relay, 4 PDT, KHP 17A12 or 17A11 (1963-1966)

Part No.	Description
00-4008-78	Pilot Light, Amber
00-4008-81	Pilot Light, Yellow
00-4009-05	Timer Motor for Station - 180 min.
00-4009-04	Pulse Timer for Brine

Contact Returned Goods Department for Special Repair Instructions.