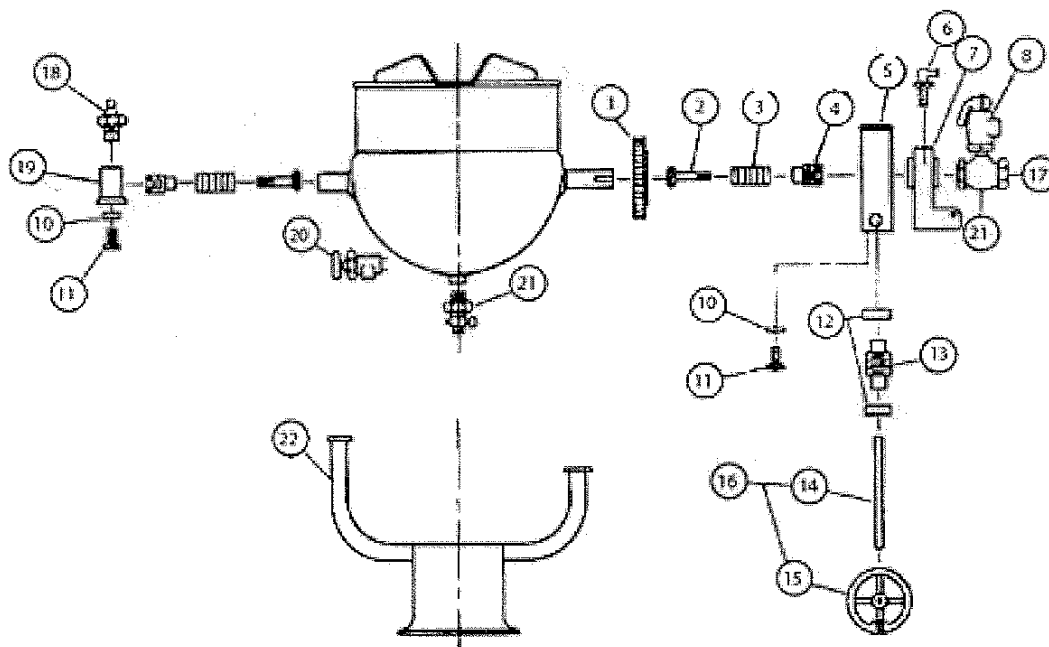


Parts List

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.



Models D, DT DL and DLT (after May 2002)

OM-D

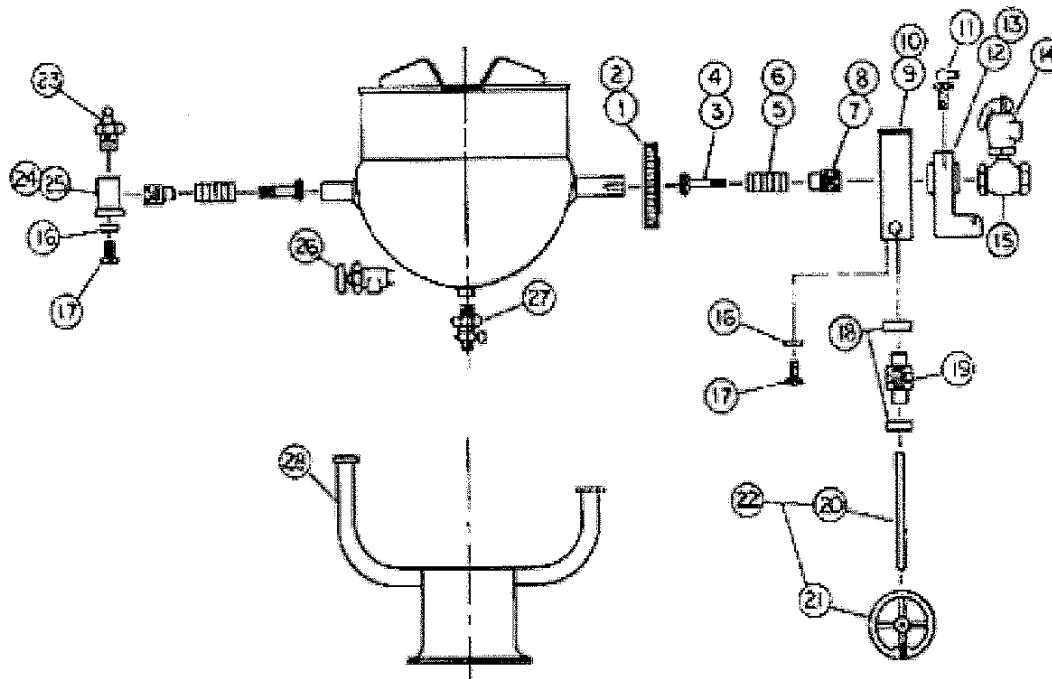
Parts Lists

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.

Key	Description	Part No.	Key	Description	Part No.
1	Gear, Worm - D-20-40-60-80	012022	17	Collar	137246
2	Steam Gland - D-20-40-60-80	012120	18	Grease Fitting, 45 Deg	012099
3	Packing, 10 ring - D-20-40-60-80	114824	19	Casting Trunnion Race- 20-40-60-80	012113
4	Nut, Packing - D-20-40-60-80	012122	20	Draw-Off Valve, 2" (Complete)	009046
5	Enclos. Tilt Mech. D-20-40-60- 80	139043		Draw-Off Valve, 3" (Complete)	012262
6	Grease Fitting, 90 Deg.	012195		Handle for 2" TDO Valve	009029
7	Carrier Assy Gear D-20-40-60- 80	137880		Handle for 3" TDO Valve	012209
8	Safety Valve CAUTION: Pressure and flow rate of replacement valve must be the same as originally provided.	-----		Stem for 2" Valve	009048
	3/4" Safety Valve (50 PSIG)	005587		Stem for 3" Valve	001908
	1/2" Safety Valve (50 PSIG)	097005			
9	Tee, Chrome Plated, 3/4 NPT	012075		Wing Nut for 2" Valves	009028
10	Lockwasher, 3/8	005618			
11	Screw Cap Hex 3/8-16x3/4	005611		Bonnet for 2"	009047
12	Bearing, Roller	002790		Bonnet for 3"	003925
13	Worm	12026		Hex Nut for 2"	009354
14	Shaft	003129		Hex Nut for 3"	003927
15	Handwheel with Handle	139152	21	Petcock, Jacket Drain	012070
16	Handwheel Shaft	003130	22	Stand Assembly (call GROEN for part numbers)	-----

Parts Lists

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.



Models D, DT, DL and DLT (January 1974 - May 2002)

OM-D

Parts Lists

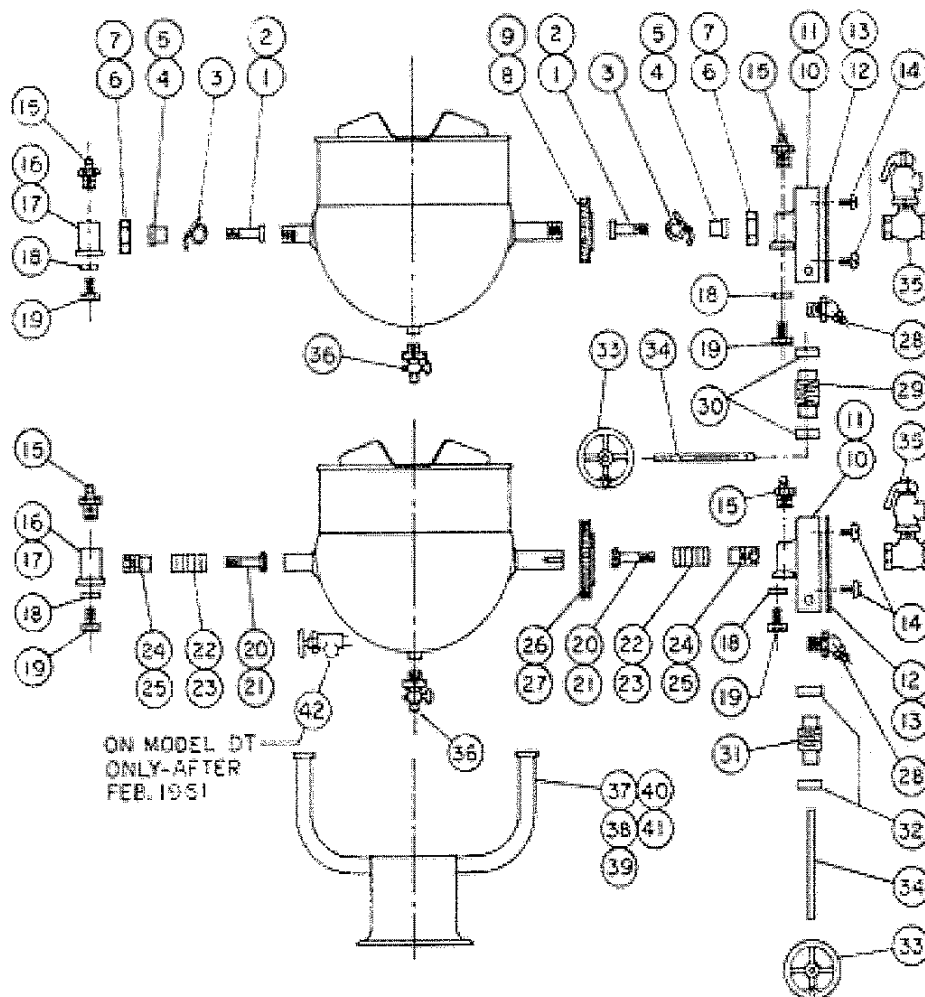
To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.

Key	Description	Part No.	Key	Description	Part No.
1	Gear, Worm - D-10 -20 -30	012023	23	Grease Fitting, 45 Deg	012099
2	Gear, Worm - D-40 -60 -80	012022	24	Casting Trunnion Race- D-10 -20 -30	012109
3	Steam Gland - D-10 -20 -30	012227	25	Casting Trunnion Race - D-40 -60 -80	012113
4	Steam Gland - D-40 -60 -80	012120	26	Draw-Off Valve, Dairy 1½" (complete)	009000
5	Packing, 6 ring - D-10 -20 -30	012230		Draw-Off Valve, Dairy, 2" (Complete)	009046
6	Packing, 6 ring - D-40 -60 -80	114824		Draw-Off Valve, Dairy, 3" (Complete)	012262
7	Nut, Packing - D-10 -20 -30	012228		Handle for 1½" or 2" Dairy Valve	009029
8	Nut, Packing - D-40 -60 -80	012122		Handle for 3" Dairy Valve	012209
9	Enclos. Tilt Mech. D-10 -20 -30	014075		Stem for 1½" Valve	009027
10	Enclos. Tilt Mech. D-40 -60 -80	014076		Stem for 2" Valve	009048
11	Grease Fitting, 90 Deg.	012195		Stem for 3" Valve	001908
12	Carrier Assy, Gear D-10 -20 -30	014077		Wing Nut (with 001908)	
13	Carrier Assy Gear D-40 -60 -80	014079		Wing Nut for 1½" and 2" Valves	009028
14	Safety Valve	—		Draw-Off Valve, Plug, New Style, 1½"	009737
	CAUTION: Pressure and flow rate of replacement valve must be the same as originally provided.				
	¾" Safety Valve	005587		Draw-Off Valve, Plug, Old Style, 1½"	009734
	½" Safety Valve	097005		Draw-Off Valve, Plug, Old Style, 2"	009735
15	Tee, Chrome Plated, ¾ NPT	012075	27	Petcock, Jacket Drain	012070
16	Lockwasher, ¾	005618		Bonnet for 1½"	009024
17	Screw Cap Hex Head ¾-16 x ¾	005611		Bonnet for 2"	009047
18	Bearing, Roller	002790		Bonnet for 3"	003925
19	Worm	012026		Hex Nut for 1½"	008911
20	Shaft	003129		Hex Nut for 2"	009354
21	Handwheel with Handle	012061		Hex Nut for 3"	003927
22	Handwheel & Shaft (complete)	003130	28	Stand Assembly	—

(Call GROEN for part numbers)

Parts List

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.



Models D, DT, DL, and DLT (before January 1974)

OM-D

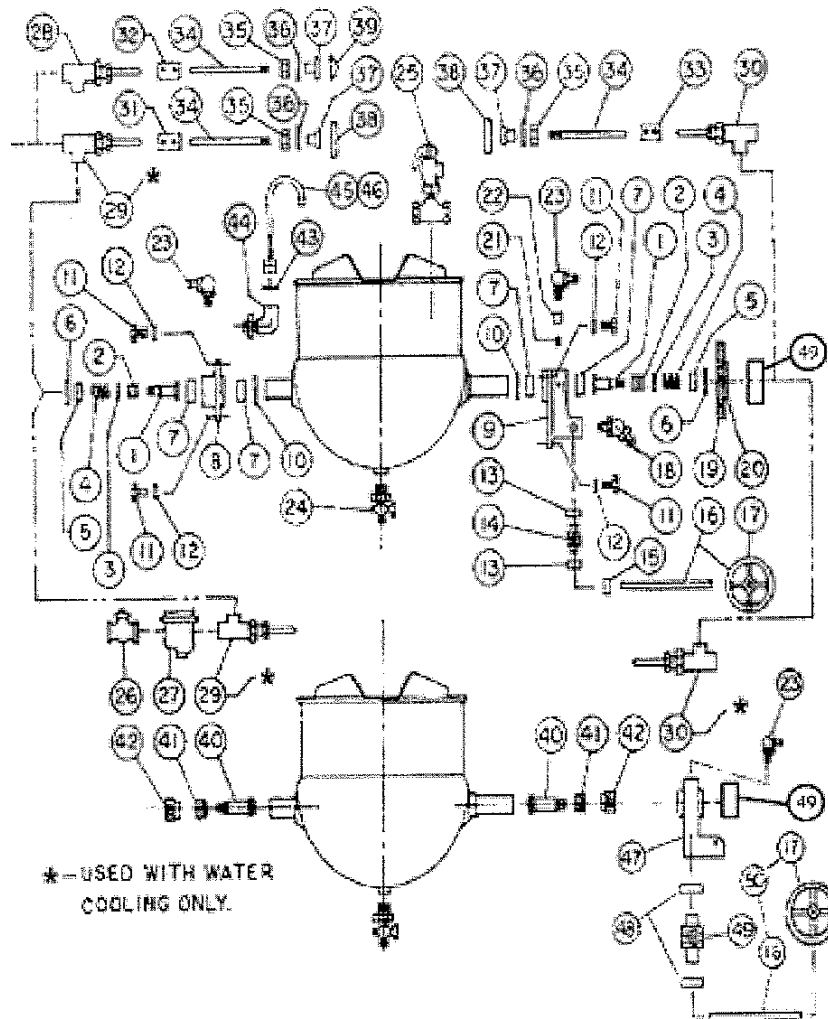
Parts List

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.

Key	Description	Part No.	Key	Description	Part No.
1	Steam Gland 10-20-30 pre-Feb 1961	001235	30	Thrust Bearing	006052
2	Steam Gland 40-60-80 pre-Feb 1961	001211	31	Steel Worm Single RH	012026
3	Packing	001234	32	Thrust Bearing	012045
4	Packing Gland 10-20-30 pre-Feb 1961	001231	33	Handwheel	012061
5	Packing Gland 40-60-80 pre-Feb 1961	001236	34	Shaft	012004
6	Trunnion Nut 10-20-30 pre-Feb 1961	001232	35	Safety Valve	011004
7	Trunnion Nut 40-60-80 pre-Feb 1961	001237	36	Jacket Drain Petcock	012070
8	7½" D. Worm Gear 1⅝" Bore 1947-51	012064	37	Stand Assembly for D-10	011210
9	7½" D. Worm Gear 2" Bore 1947-51	012063	38	Stand Assembly for D-20	011220
10	Gear Housing 1⅝" hole - special order	012107	39	Stand Assembly for D-30	011230
11	Gear Housing 2" hole - special order	012111	40	Stand Assembly for D-40	011240
12	Gear Housing Cover (1¼" hole)	012050	41	Stand Assembly for D-60	011250
13	Gear Housing Cover (2⅛" hole)	012051		Draw-Off Valve 1½" (complete)	009000
14	No. 10-24x½" Round Head SS Screw	012065	42	Draw-Off Valve 2" (complete)	009046
15	Alemite Grease Fitting (Straight)	012100		Draw-Off Valve 3" (complete)	012262
16	Trunnion Race (1⅝" hole)	012109		Handle for 1½" or 2" TDO Valve	009029
17	Trunnion Race (2" hole)	012113		Stem for 1½" Valve	009027
18	⅝" Lockwasher	005618		Stem for 2" Valve	009048
19	⅝" - 16 N.C. x ¾" Long Hex Cap Screw	005611		Stem for 3" Valve	001908
20	Steam Gland (1⅝" Trunnion)	012227		Wing Nut for 1½" and 2" Valves	009028
21	Steam Gland (2" Trunnion)	012120		Bucket Trap ½"	004183
22	Packing (7-Ring)(1⅝" Trunnion)	012230		Bucket Trap ¾"	004050
23	Packing (7-Ring)(2" Trunnion)	002424		Low Water Cut-Off 115V	010412
24	1-5/16" O.D. Packing Nut	012228		Low Water Cut-Off 220V	010410
25	1⅝" O.D. Packing Nut	012122		Snap Bushing	000453
26	8½" Dia. Worm Gear (1⅝" Bore)	012023		Draw-Off Valve Plug 1½"	009737
27	8½" Dia. Worm Gear (2" Bore)	012022		Draw-Off Valve Plug 2"	009735
28	45° Alemite Grease Fitting	012099			
29	Steel Worm Single RH	012062			

Parts List

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.



Models MW/D and MW/DT

OM-D

Parts List

To order parts, contact your Groen Certified Service Agency. Supply the model designation, part description, part number and quantity desired.

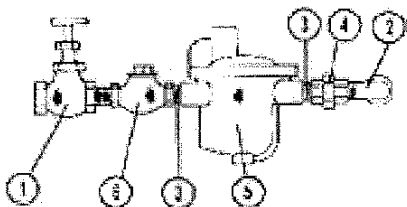
Key	Description	Part No.	Key	Description	Part No.
1	Steam Gland	009585	31	Coupler, 1/2" Valve Stem	012723
2	Ring Set, Packing (4-Ring)	009588	32	Coupler, 3/8" Valve Stem	012683
3	Washer, Packing	009567	33	Coupler, 3/4" Valve Stem	012724
4	Spring, Trunnion	012403	34	Extension, Valve Stem	012722
5	Retainer, Spring	009587	35	Hex Nut, 5/8-11 NC	007272
6	Ring, Tru-Arc	009586	36	Plain Washer, 5/8"	007273
7	Bearing, Oilite	009569	37	Sleeve, Valve Stem	002976
8	Race, Trunnion	009570	38	Handle, Black, 3 Dia	009029
9	Casting (not avail. - call Service Dept. for Conversion Kit)	—	39	Handwheel, Valve, with Insert	001148
10	"O" Ring, 2.5 ID x 2.875 OD	012304	40	Steam Gland for 2" Trunnion	012020
11	Screw, Hex Head Cap (prior to January 1974)	005699	41	Ring Set, Packing	002424
12	Washer, lock 3/8" (pre-January 1974)	005702	42	Nut, Packing for 2" Trunnion	012122
13	Bearing, Thrust (pre-January 1974)	012045	43	"O" Ring	010887
14	Worm, 3/4" Bore	012026	44	Body/Nut, Swivel Outlet	009860
15	Rubber Grommet	007245	45	Spout Gooseneck Swivel 20	009861
16	Handwheel/Shaft Assembly	012006	46	Spout Gooseneck Swivel 40-80.	009862
17	Handwheel Assembly	012061	47	Carrier Assembly Gear	014079
18	Fitting, Grease (pre-January 1974)	012099	48	Bearing, Roller	002790
19	Gear, 92 Teeth	012022		Draw-Off Valve 2" (complete)	009046
20	Screw, Hex Socket Set	012060		Draw-Off Valve 3" (complete)	012262
21	Close Nipple (prior to January 1974)	013206		Handle for 2" Valve	009029
22	Full Coupling (prior to January 1974)	004250		Handle for 3" Valve	012209
23	Fitting, 90 Degree, Grease	012195		Stem for 2" Valve	009048
24	Petcock, Jacket Drain	012070		Stem for 3" Valve	001908
25	Safety Valve-duplicate provided valve	—		Wing Nut (with 001908)	
26	Valve, Swing Check 1/2 NPT	004187		Y-Strainer, 1/2"	004181
27	Trap, Bucket with Strainer 1/2"	004183	49	Collar	137246
28	Valve, Angle 3/8 IPS	012848			
29	Valve, Angle 1/2 IPS	012849			
30	Valve, Angle 3/4 IPS	012850			

Bucket Steam Trap

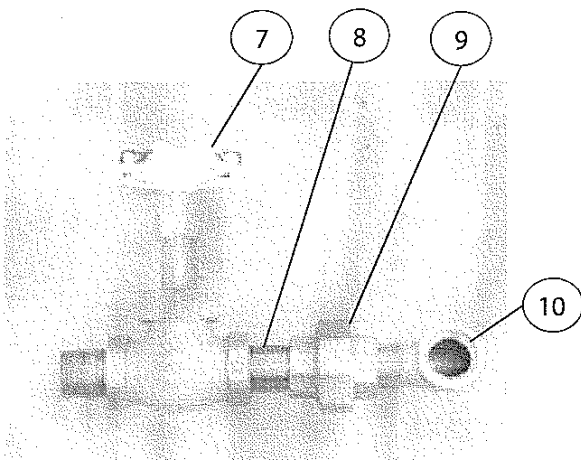
STEAM INLET SIZE	STEAM OUTLET SIZE	USED ON
¾" I.P.S.	¾" I.P.S.	Models D, DT - 20, 40, 60 Models DL, DLT - 20, 40, 60, 80

KEY	DESCRIPTION	QNTY	Part No.
1	Gate Valve	1	004180
2	90° Reducing Street Elbow	1	010666
3	Close Nipple	3	008877
4	Female Union	1	004186
5	Bucket Steam Trap*	1	004183
6	Swing Check Valve	1	004187
7	Globe Valve	1	004222
8	Close Nipple	2	008238
9	Female Union	1	005516
10	90° Street Elbow	1	008347

*NOTE: For Thermostatic Steam Trap use Part # 010250



Condensate Outlet Piping



Steam Inlet Piping

Installation Diagram Chair Carrier for Wall Mounted Kettles

MW/D AND MW/FT					
GAL CAP	20	40	60	80	
Liter	75	150	230	305	
A	25 1/2"	31 1/2"	35 1/2"	39 1/2"	
MM	647	800	901	1003	
B	23 1/2"	29 1/2"	33 1/2"	37 1/4"	
MM	597	749	851	946	

NOTES:

1. 6" -13 Lb. Channel
2. Spacer sleeves should be cut to proper length on installation to suit finished wall thickness
3. 7/8" diameter hole for anchor bolts on center line
4. Finished floor
5. Dimensions for kettles with 2" TDO only.
6. Due to continued product improvement, designs are subject to change without notice. Check with factory for current design.

