



7540 DIVERTER VALVE 120 and 240VAC / 50-60HZ

INSTALLATION INSTRUCTIONS

1. MOUNT THE DIVERTER VALVE SO THE 2" STAINLESS STEEL NIPPLE IS IN THE RECIRCULATION TANK - USE 10 - 32 SCREWS AND NUTS, AS SUPPLIED.
2. WIRE THE VALVE, USING THE CORD AND STRAIN - RELIEF CONNECTORS SUPPLIED:
 - A. LIVE CONDUCTOR (BLACK WIRE) TO "DV" TERMINAL IN ELECTRIC CONTROL UNIT.
 - B. NEUTRAL OR L2 CONDUCTOR (WHITE WIRE) TO "N" OR "L2" TERMINALS IN ELECTRIC CONTROL UNIT.
 - C. GROUND CONDUCTOR (GREEN WIRE) TO GROUND SCREW, MARKED "G", IN ELECTRICAL CONTROL UNIT.
3. ATTACH THE SOLUTION INPUT TO THE VALVE WITH A 1-1/2" TRI - CLAMP FERRULE.
4. IF THE 3" DISCHARGE HOUSING REQUIRES AN EXTENSION, USE A STANDARD PVC REDUCER. USE A NON - PERMANANT SEALER. *DO NOT REDUCE TO LESS THAN 1 -1/2" DIAMETER.*

SPECIFICATIONS

MODEL 7540
ELECTRICAL RATING: 120VAC / 50-60HZ
.740 AMPS

MODELS 7540-240, 7540-240-50
ELECTRICAL RATING: 240VAC / 50-60HZ
.740 AMPS

DUTY CYCLE - ON MAX. 17.5 MINUTES
OFF MIN. 4.5 MINUTES
FOR 2 CYCLES

DUTY CYCLE - ON MAX. 17.5 MINUTES
OFF MIN. 4.5 MINUTES
FOR 2 CYCLES

CSA ENCLOSURE 2: MODEL 7540 ONLY.

MAINTENANCE

1. REMOVE COVER.
2. REMOVE RED HOLE PLUG #2649. REMOVE COTTER KEY #60184.
3. REMOVE #5519 OR #5530 CONSTANT-DUTY SOLENOIDS BY REMOVING THE TWO SCREWS AND HEAT SHIELD ON TOP OF THE SOLENOID. PULL SOLENOID STRAIGHT UP.
4. THE REPLACEMENT SOLENOID SHOULD SLIDE FREELY INTO THE MOUNTING SLOTS. REPLACE # 60184 COTTER KEY. BEFORE TIGHTENING THE LOCKING SCREWS AND HEAT SHEILD, THE SOLENOID SHOULD BE ENERGIZED SEVERAL TIMES SO IT CENTERS ITSELF ABOVE THE STOPPER ROD ASSEMBLY. WITH THE SOLENOID ENERGIZED, THE LOCKING SCREWS SHOULD BE TIGHTENED AND ADJUSTED FOR MINIMUM SOLENOID BUZZ. YOU MAY HAVE TO TIGHTEN ONE SCREW MORE THAN THE OTHER. ENERGIZE THE SOLENOID SEVERAL MORE TIMES TO INSURE THAT THE SOLENOID DOES NOT BUZZ.
5. MAKE SURE THE RUBBER SEAL #607-C IS IN PLACE AROUND THE STOPPER ROD ASSEMBLY.
6. REPLACE COVER AND HOLE PLUG.



7540 DIVERTER VALVE PARTS LIST

ITEM	DESCRIPTION	PART NO.	ITEM	DESCRIPTION	PART NO.
1	CABLE	2652	17	BELLOWS	607 - C
2	WATERTITE CONN. [2 required]	60204	18	SCREW 10-32 X 3/4" [11 required]	6130
3	HOLE PLUG	2668	19	SCREW 10-32 X 1/2" [8 required]	6129
4	SCREW 10-24 X 5/8" [3 required]	6131	20	NUT 10-32 [19 required]	60183
5	SPEED NUT [3 required]	6111	21	STOPPER ROD ASSEMBLY	2654
6	COVER	2570	22	BUSHING	2578
7	PLATE ASSEMBLY	2660	23	EXT. RETAINING RING [3 required]	2584
8	GASKET [2 required]	2563	24	SPRING	5647
9	LOWER HOUSING	2659	25	SPACER WASHER	2582
10	HIGH LOW SCREW #10 X 5/8" [2 req.]	6164	26	INT. RETAINING RING	2583
11	WASHER #10 X 1/2" [4 required]	6126	27	STOPPER ROD	2655
12	HEAT SHIELD	8256	28	WASHER [2 required]	60227
13	SOLENOID 120VAC / 50-60HZ	5519	29	STOPPER PLUG	5997
	SOLENOID 240VAC / 60HZ	5530	30	SCREW 6-32 X 3/8" [not shown]	6120
	SOLENOID 240VAC / 50HZ	5532	31	NUT 6-32 [not shown]	6121
14	UPPER HOUSING	2560	32	METAL SCREW #10 X 3/4" [3 required, not shown]	6125
15	HOLE PLUG [2 required]	2649	33	PLASTIC CLAMP [3 required, not shown]	1093
16	COTTER PIN 1/8" X 1 1/4"	60184			

