

DEMA DIVERTER VALVE

MODELS: 591 & 591-2 INSTALLATION INSTRUCTION

The Diverter Valve is designed to mount to a faucet and divert the flow of water to a DEMA Blend Center.

Model 591 uses a 1/2" barb and clamp to connect to DEMA 44-3-6LFC garden hose.

Model 591-2 uses a male garden hose fitting to connect to DEMA 44-3-6 garden hose.

1. PARTS CHECKLIST:

ITEM	DESCRIPTION	QTY
A	Diverter Valve Assembly	1
B	Faucet Adapter	1
C	1/16" Thick Rubber Washer	2
D	1/8" Thick Rubber Washer	1
E	Hose	1
F	Hose Clamp (For Model 591 Only)	1

2. INSTALLATION:

For mounting onto external aerator threads, insert 1/16" rubber washers into valve body and screw directly onto faucet. **Do not use faucet adapter.**

For garden hose threads, screw faucet adapter to valve body after inserting rubber washers, then insert 1/8" rubber washers into faucet adapter. Screw onto faucet.

For all other thread types, see page 2 for proper adapter to use. Slip end of hose over barb on valve, secure with hose clamp. Connect male fitting on hose to the water inlet of the Blend Center.

3. OPERATION:

Turn on water supply and pull out knob (See figure 1). Water will instantly start to flow through the hose and into the Blend Center. When the water supply is turned off, the diverter valve will reset itself. The next time the water is turned on, the valve will remain off until it is activated again.

NOTE: Some water will come out the bottom of the diverter valve to provide a visual indication that the hose connected equipment is under pressure; this is normal operation. Many municipalities require this feature in their plumbing codes.

4. SERVICING:

Caution: Turn off water supply before servicing.

Valve fails to operate properly:

1. Low water pressure. At least 15 psi is required.
2. Lime deposits in water passages. Remove diverter valve body and soak in deliming solution.

NOTE: When servicing unit, be sure that replacement parts have been installed according to the drawing.

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RETURNS: **NO MERCHANDISE MAY BE RETURNED FOR CREDIT WITHOUT DEMA'S WRITTEN PERMISSION. RETURN MERCHANDISE AUTHORIZATION NUMBER REQUIRED IN ADVANCE OF RETURN.**

WARRANTY: DEMA products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products which have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, improper voltage supply, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "o"-rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA products. If products are altered or repaired without prior approval of DEMA, this warranty will be void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. DEMA assumes no liability for damages. Return merchandise authorization number, to return units for repair or replacement, must be granted in advance of return.

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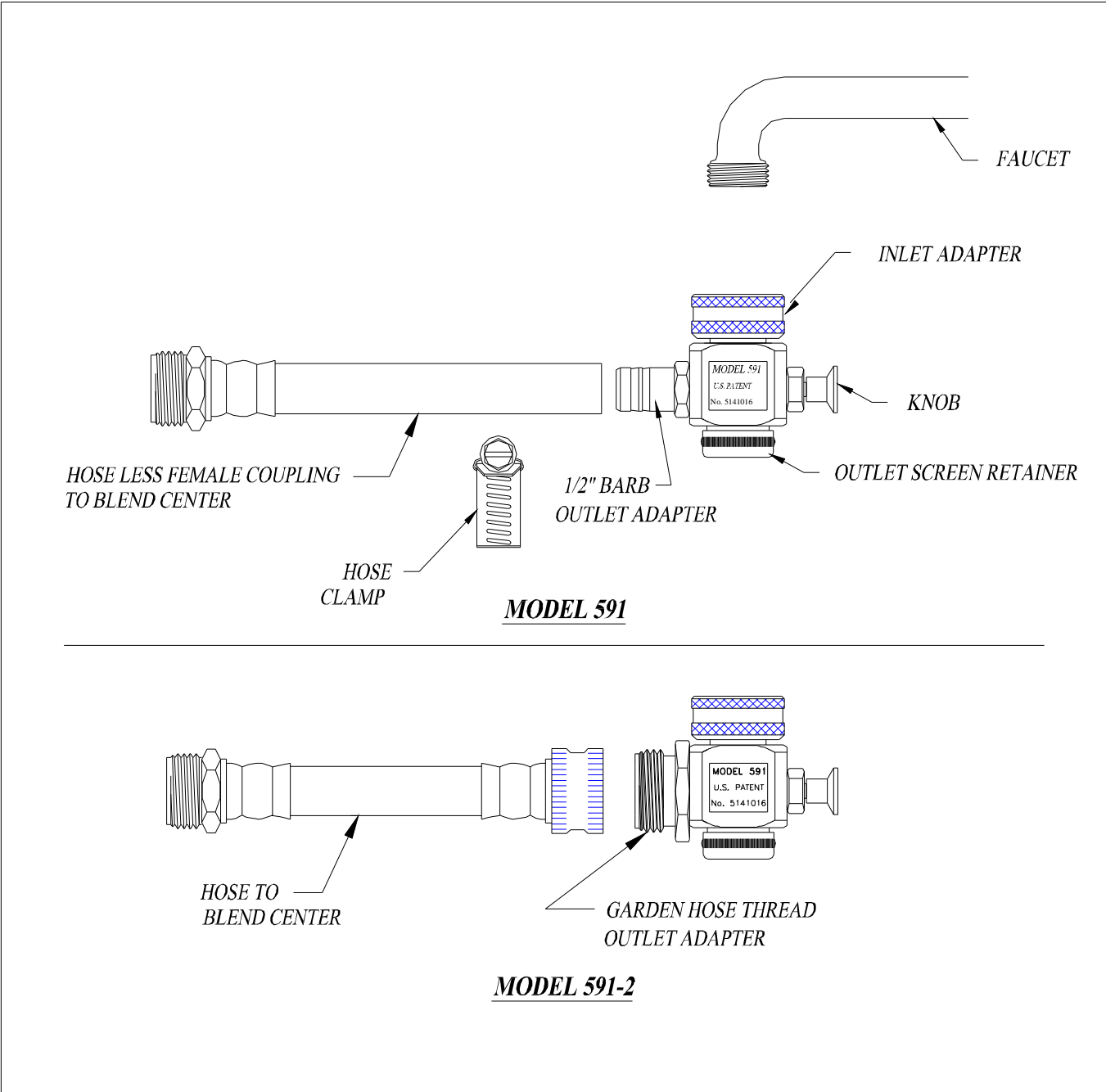
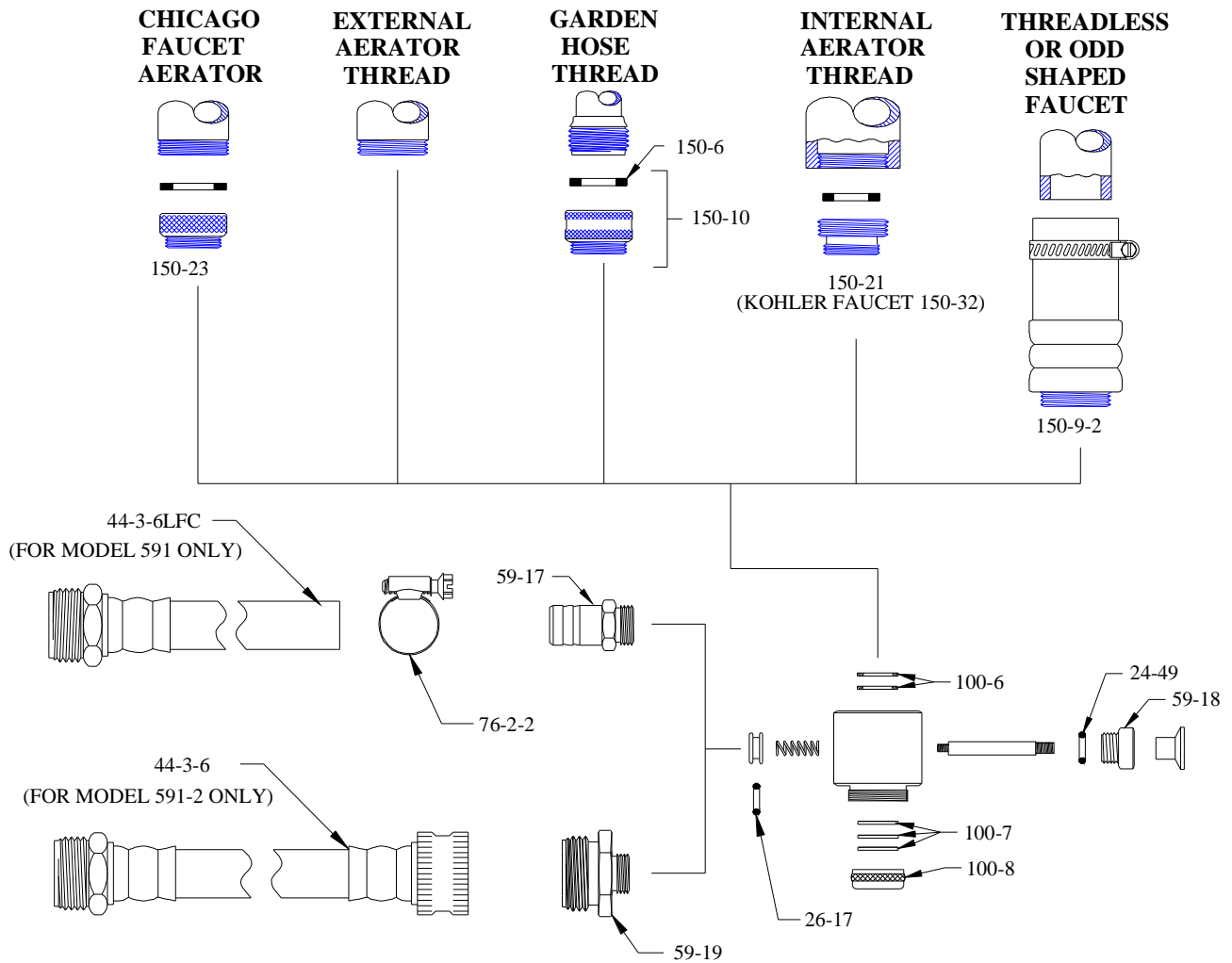


FIGURE 1

DEMA DIVERTER VALVE

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PART NO.	DESCRIPTION
24-49	O-RING FOR STEM VALVE
26-17	O-RING FOR PISTON
44-3-6	HOSE (FOR 591-2 ONLY)
44-3-6LFC	HOSE W/MALE FITTING (FOR 591 ONLY)
59-17	1/2" BARB OUTLET ADAPTER
59-18	STEM GUIDE
59-19	9/16-18 UNF X MGHT ADAPTER
76-2-2	HOSE CLAMP
100-6	RUBBER WASHER (2-REQD)
100-7	OUTLET SCREEN (3-REQD.)

PART NO.	DESCRIPTION
100-8	OUTLET SCREEN RETAINER
150-6	RUBBER WASHER
150-10	FAUCET ADAPTER W/RUBBER WASHER
150-9-2	IRREGULAR FAUCET ADAPTER
150-21	MALE AERATOR X MALE AERATOR ADAPTER
150-23	FEMALE CHICAGO X MALE AERATOR ADAPTER
150-32	MALE KOHLER X MALE AERATOR ADAPTER