



DSD 91E

Illustrated parts guide



DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 2 of 30

Introduction: This Document is designed to provide a quick and easy reference to the major replacement parts and components for the DSD91E. It does not include some of the smaller items such as screws and washers (at this time). The electronic circuit boards are listed in a table. Check with Medivators Technical Service Department for availability and prices.

This IPB does not address all 220vac parts.

To order parts or place a Technical Service call, contact Medivators through the Olympus help desk @ 800-848-9024.

Contents

<u>ELECTRONIC CIRCUIT BOARDS</u>	Page	3
<u>TOP OF THE DSD (BASIN, LIDS CENTER PANEL)</u>	Page	4
<u>BASIN HARDWARE</u>	Page	7
<u>MANIFOLD ¾" VALVES</u>	Page	9
<u>LCG RESERVOIR W/HEAT</u>	Page	12
<u>AIR COMPRESSORS</u>	Page	14
<u>DSD1050 AIR REGULATOR</u>	Page	14
<u>¼" VALVE ASSEMBLIES /WATER REGULATOR</u>	Page	15
<u>DSD1068 /1069 WATER REGULATOR ASSY</u>	Page	16
<u>DSD1036 LOWER VALVE ASSY</u>	Page	17
<u>DSD1035 VALVE STRIP ASSY</u>	Page	18
<u>.2 MICRON FILTER ASSY</u> (Domnick Hunter, Stainless Steel)	Page	19
<u>.2 MICRON FILTER ASSY</u> (New plastic MK010071)	Page	20
<u>LCG PUMP ASSY</u>	Page	22
<u>PRINTER</u>	Page	23
<u>FLOW SENSOR</u>	Page	24
<u>GFI AND CHEMICAL LOAD SWITCH</u>	Page	26
<u>ELECTRICAL OUTLET / LID HINGE</u>	Page	27
<u>DRAIN MANIFOLD</u>	Page	28
<u>EXTERNAL REGULATOR AND WATER FILTER SET</u>	Page	29
<u>SEDIMENT FILTER</u>	Page	29

DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 3 of 30

Electronic circuit boards

CPU	MB010003	If software is Ver. 3.XX CPU = MB010021
DIGITAL I/O BOARD	MB010007	the indicator lights hook up to this
SENSOR BOARD	MB010009	If software is Ver. 3.XX Sensor Board = MB010024
VALVE DRIVE BOARD	MB010004	The A board is to the front of the machine. Both A & B are identical with jumper on S100 Set to A or B.
CONTROL PANEL	MB010006	
POWER SUPPLY	MS060001	
HARNESS	MH050011	HARNESS, 5V CONNECTOR
HARNESS	MH050013	HARNESS, HIGH VOLT CONNECTOR

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Back to [Contents](#)

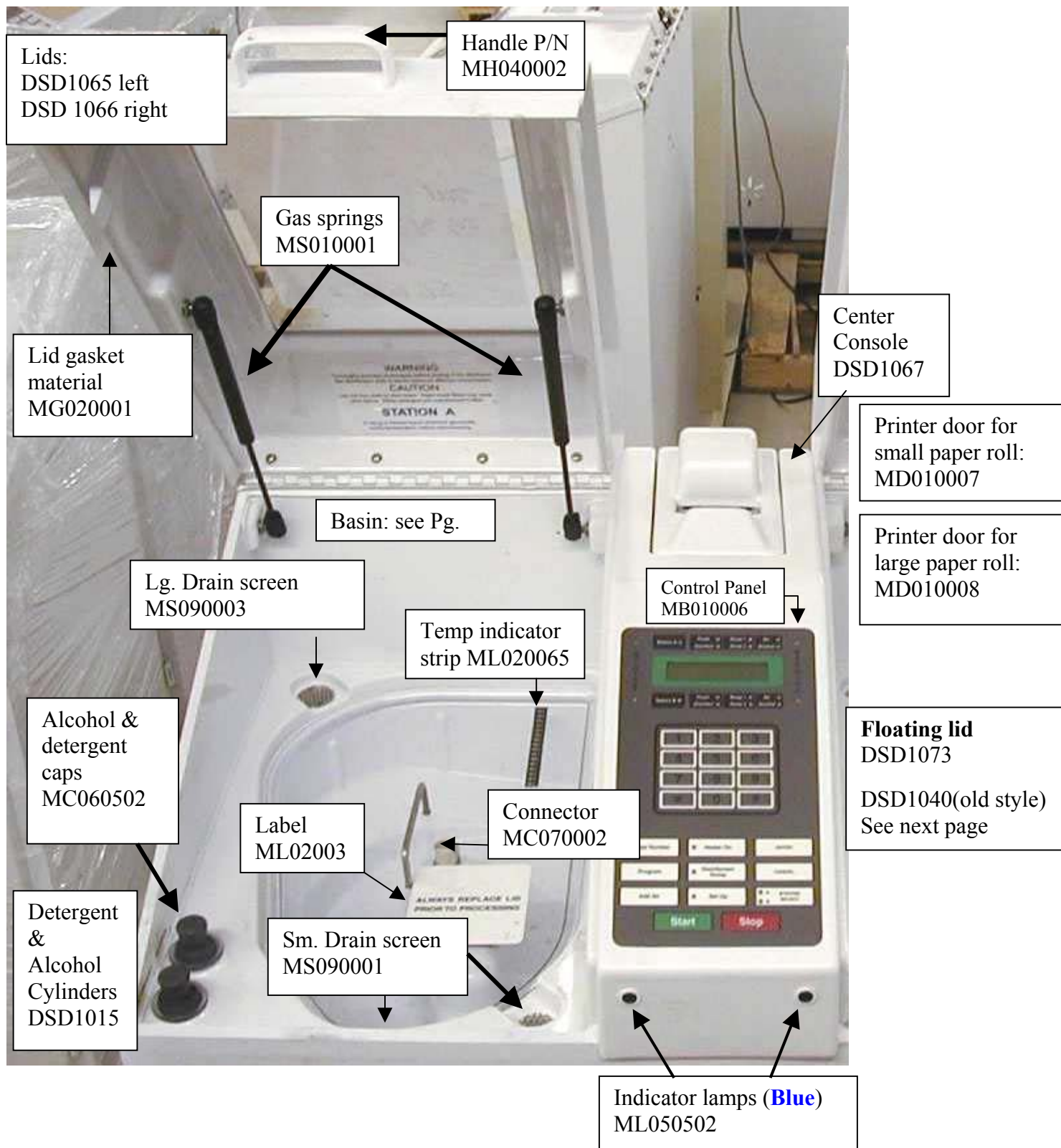
DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 4 of 30

DSD Top View

Back to [CONTENTS](#)



DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 5 of 30

To determine if the lid is for the Large or Small basin.



Straight edge as pictured equals DSD1073
(Large Basin)

Curved edge equals DSD1040 (Small Basin)

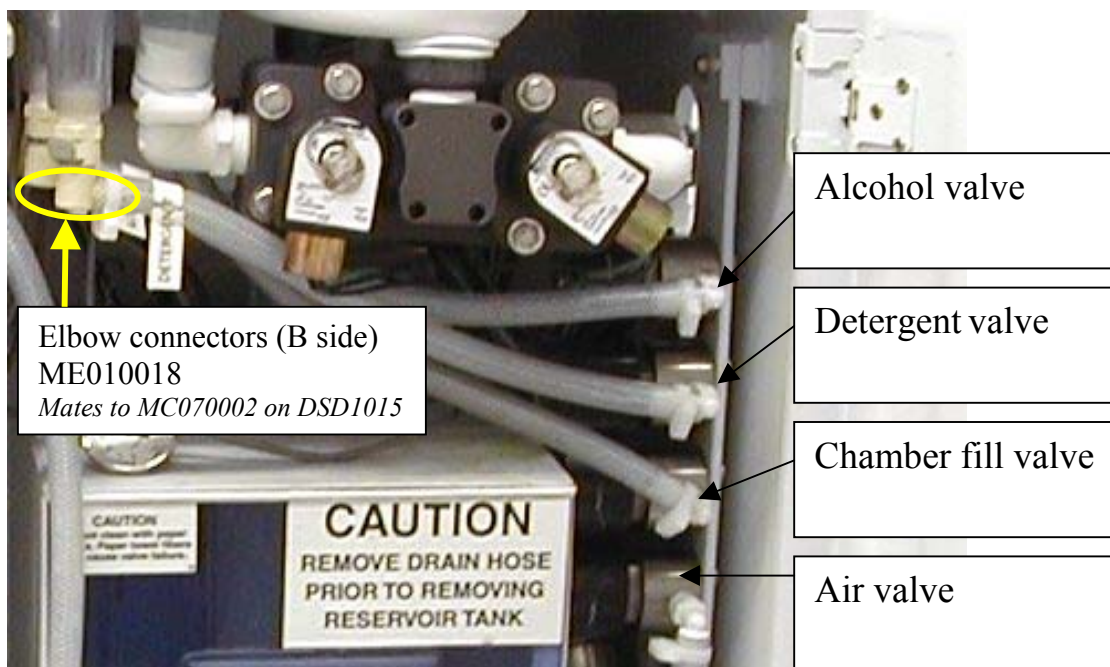
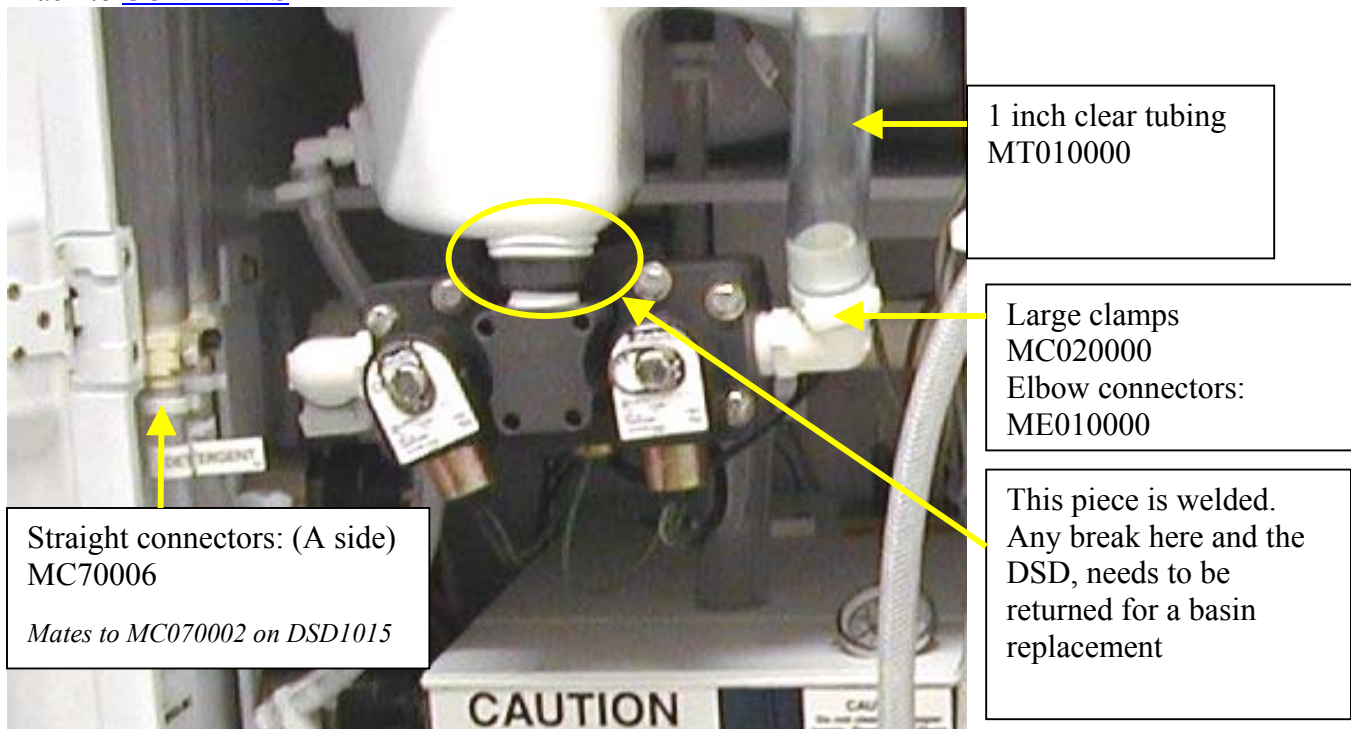
DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 6 of 30

Miscellaneous parts / connectors front view of cabinet

Back to [CONTENTS](#)



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

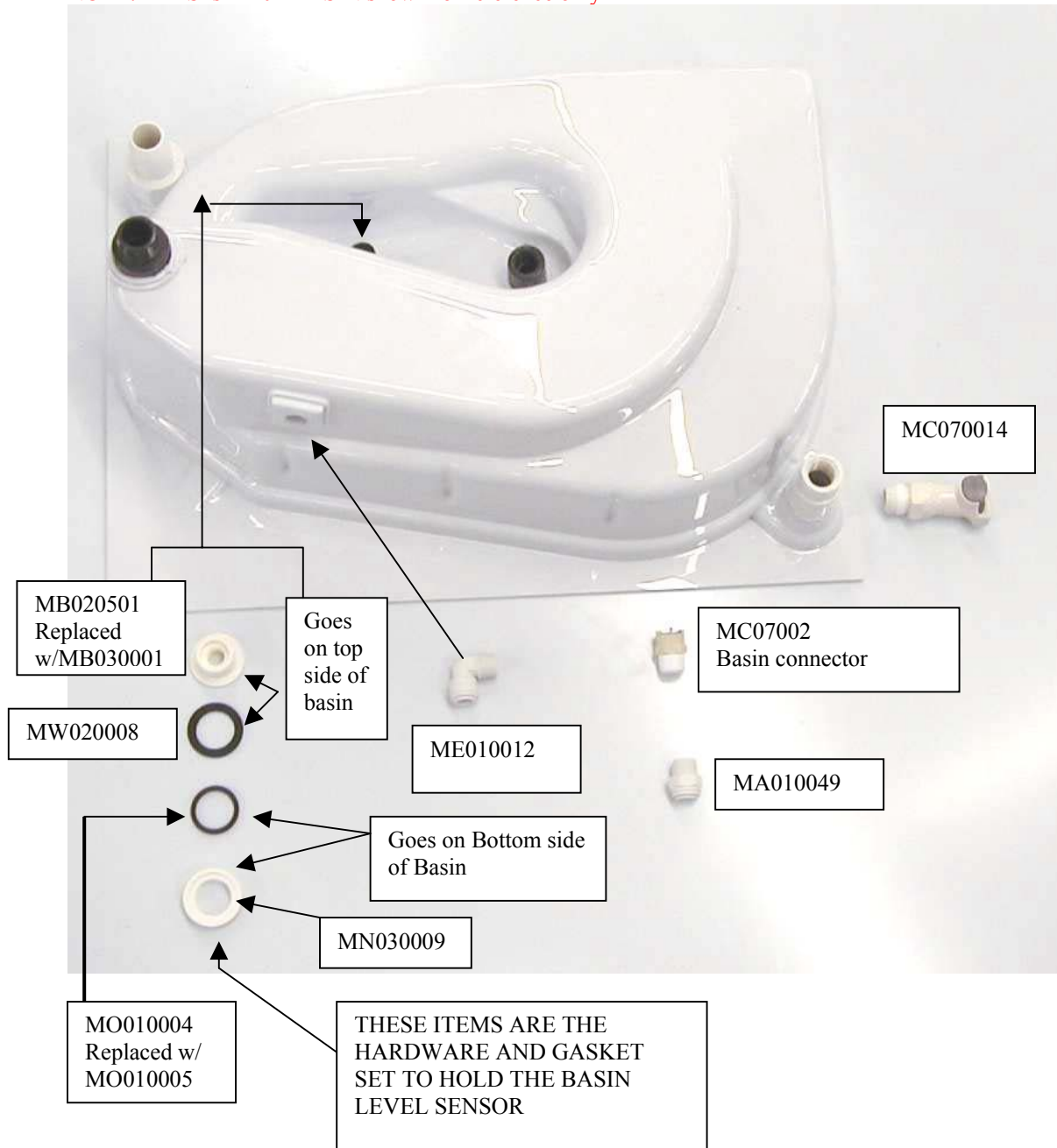
Document number: **50090-943 Rev A**

Pg. 7 of 30

Basin

Back to [CONTENTS](#)

NOTE: THIS is A 201 BASIN shown for reference only



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

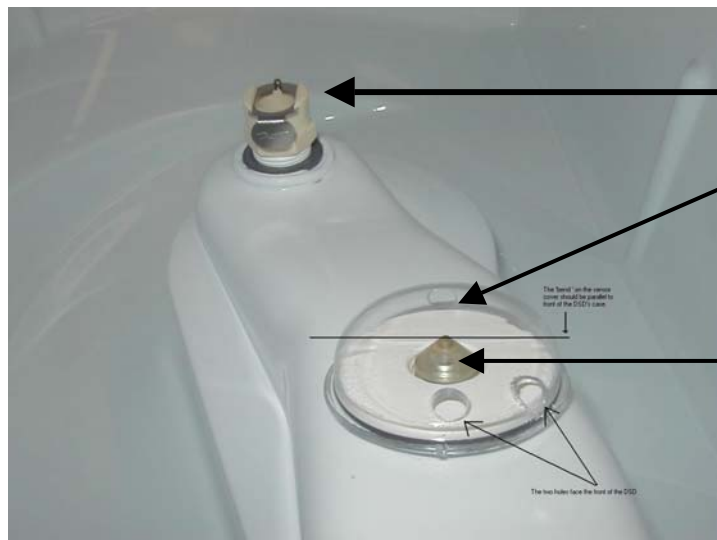
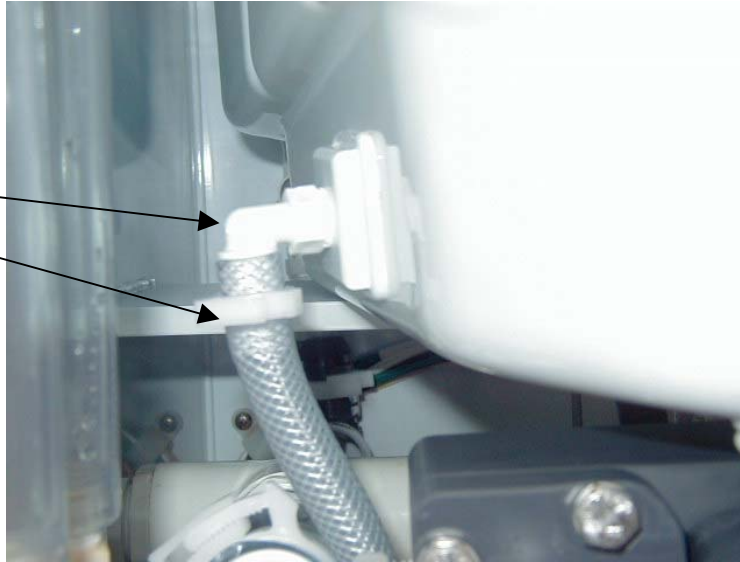
Document number: 50090-943 Rev A

Pg. 8 of 30

Back to [CONTENTS](#)

Basin Chamber fill port

ME010012
MC020001



Basin Connector
MC070002

Basin Sensor cover
MC130015

Basin level sensor
MH050016
This is a harness
with the lid sensor
also attached.

Back to [CONTENTS](#)

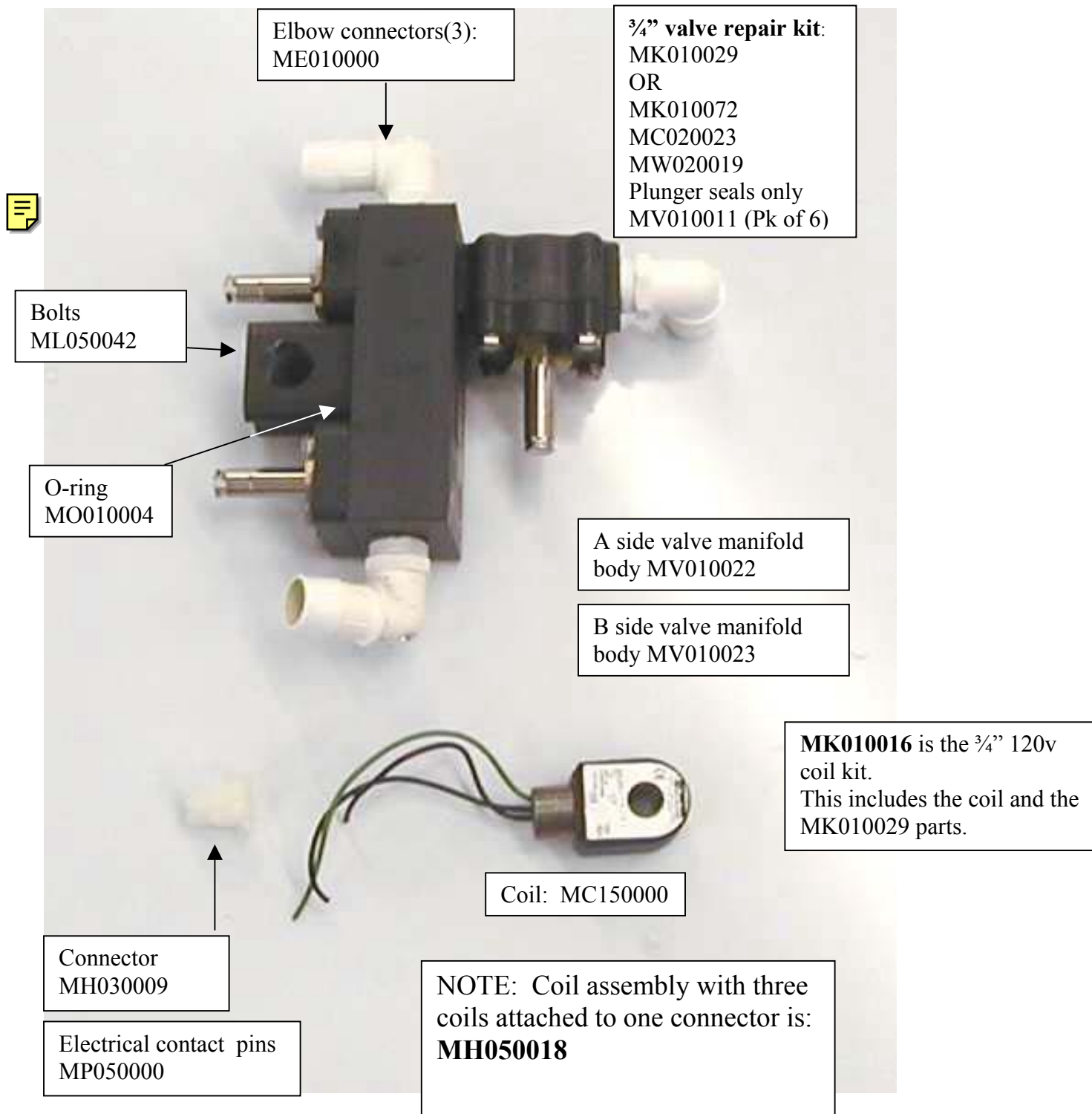
DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 9 of 30

Back to [CONTENTS](#)

Drain valve manifold



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 10 of 30

Older white valve body

Back to [CONTENTS](#)

MV010021 shown
with 3/4" valve



The white
valve parts
to the right
are being
replaced
with gray
PVC
material

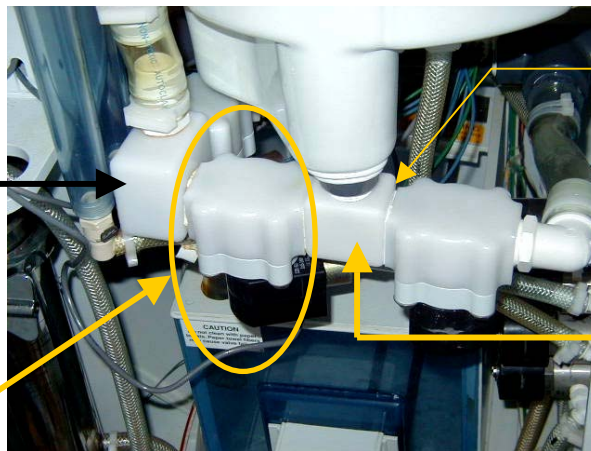
New P/N 41600-090
Old P/N MV010012

MV010021



Cascade Blocks.
MT020011
A side block

MT020013
B side block



B side pictured

MN010013
Nipple connects the
Center and cascade
blocks to the valve
bodies

MT020012
Center Block

MV010002 is comprised of the 2 valve body halves, solenoid and 3/4" kit. parts list below:

MV01-0002	VALVE, 3/4 120V SOLENOID	Qty
41600-090	SINGLE BODY NAT POLYPRO	1.000
MC15-0000	COIL, 3/4 VLV 120 V	1.000
MK01-0072	KIT, 3/4 VLV PLUNGR/HOUS	1.000
MP05-0000	PIN, CONNECTOR	3.000
MV01-0021	VALVE, COVER 3/4 GPVC	1.000

DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 11 of 30

Newer gray valve manifold body



Back to [CONTENTS](#)



MK010029 3/4" valve rebuild kit

Item 1

Item 2 & 3



The following can be ordered separately

Item 1: MV010011 3/4" plunger seal (package of 6)

Alternate P/N is MK010072. This P/N needs the following 2 items to equal a MK010029 kit.

Item 2: wave washer P/N MW02-0019

Item 3: retention clip MC020023

Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

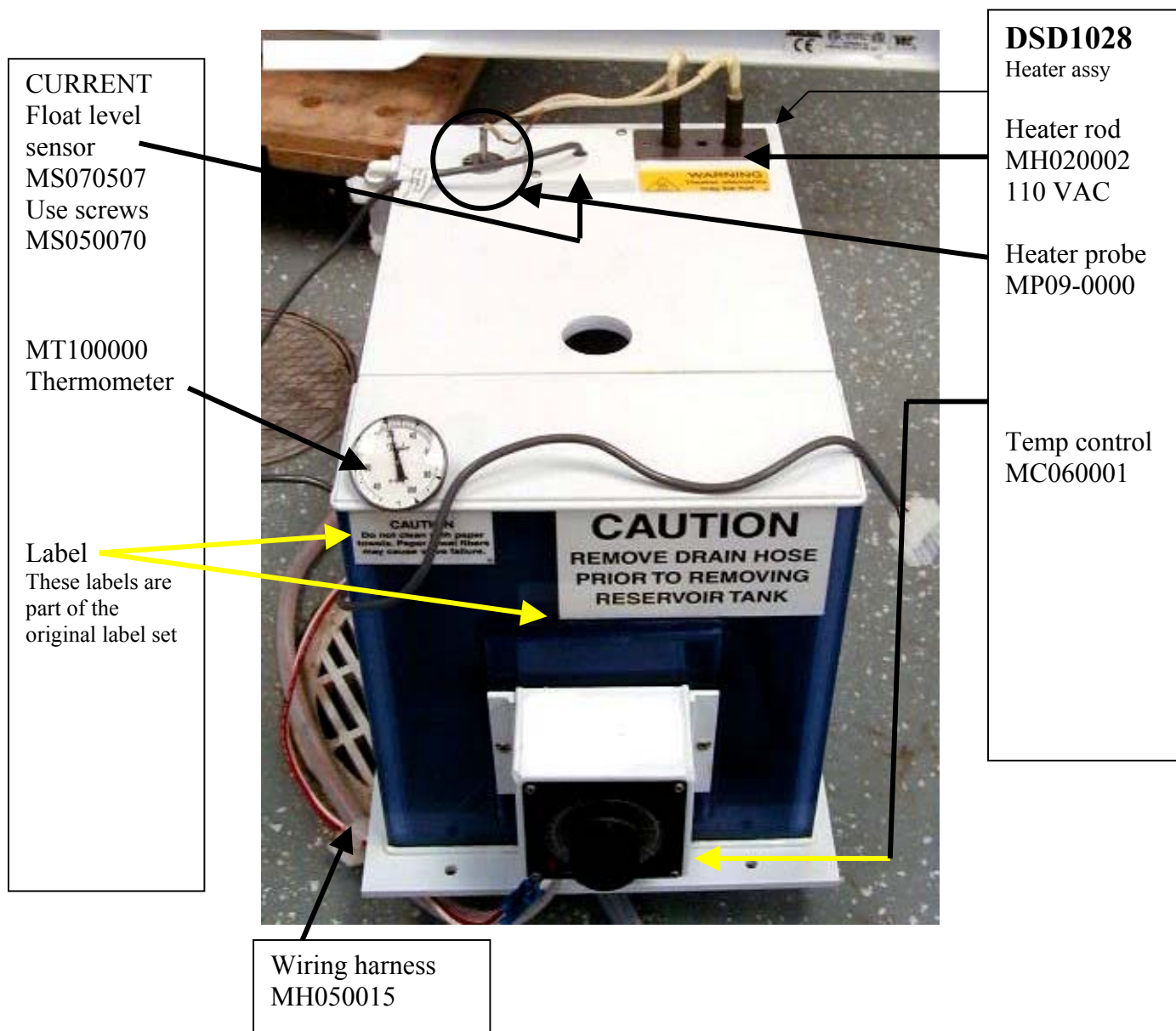
Document number: **50090-943 Rev A**

Pg. 12 of 30

Back to [CONTENTS](#)

LCG RES W/Heater Assembly DSD 1056

tank assembly DSD-1075; heater assembly (DSD-1028).



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

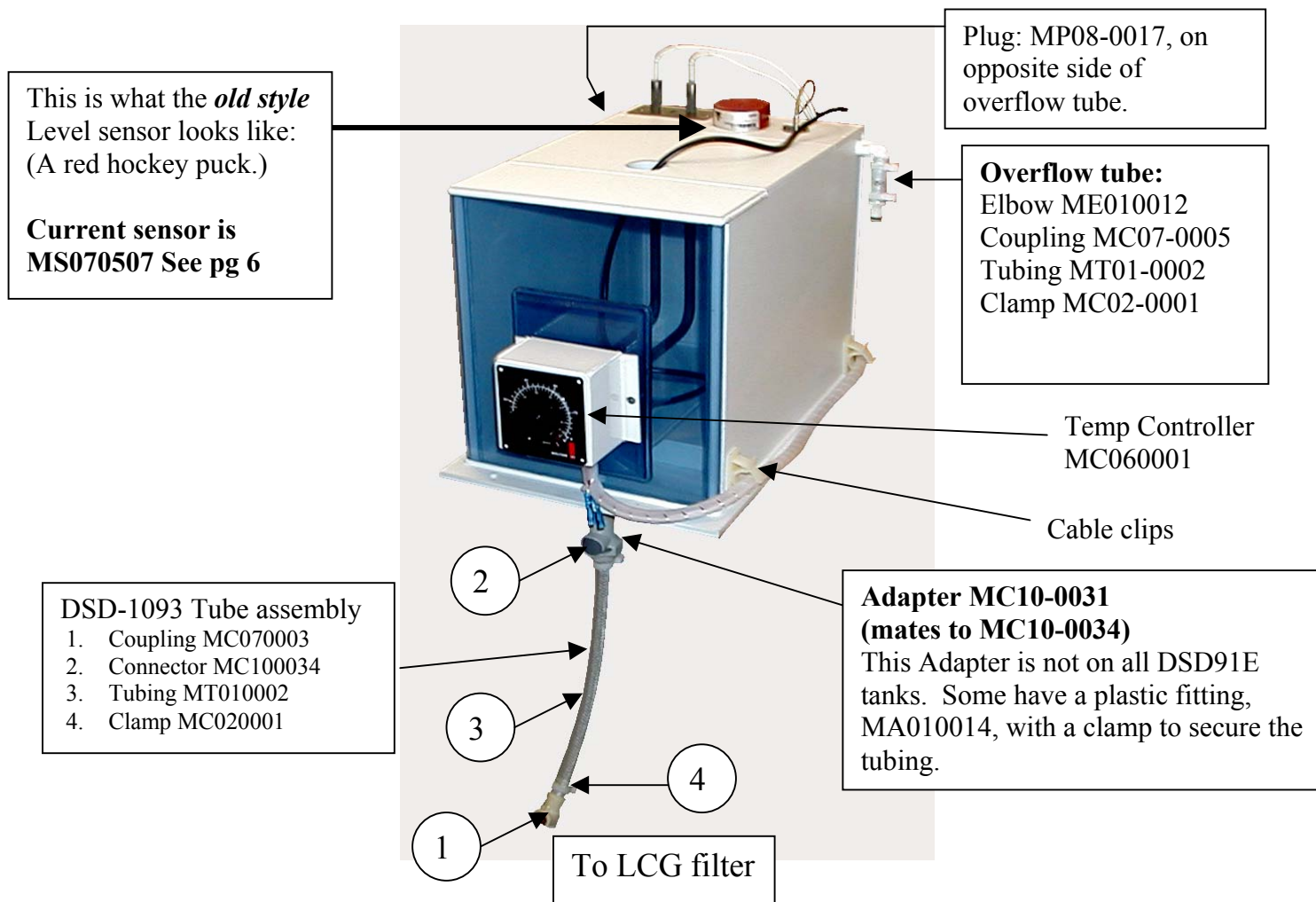
Document number: **50090-943 Rev A**

Pg. 13 of 30

Back to [CONTENTS](#)

LCG RESEVOIR W/Heater Assembly DSD 1056, cont.

Tank assembly DSD-1075; heater assembly (DSD-1028)



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

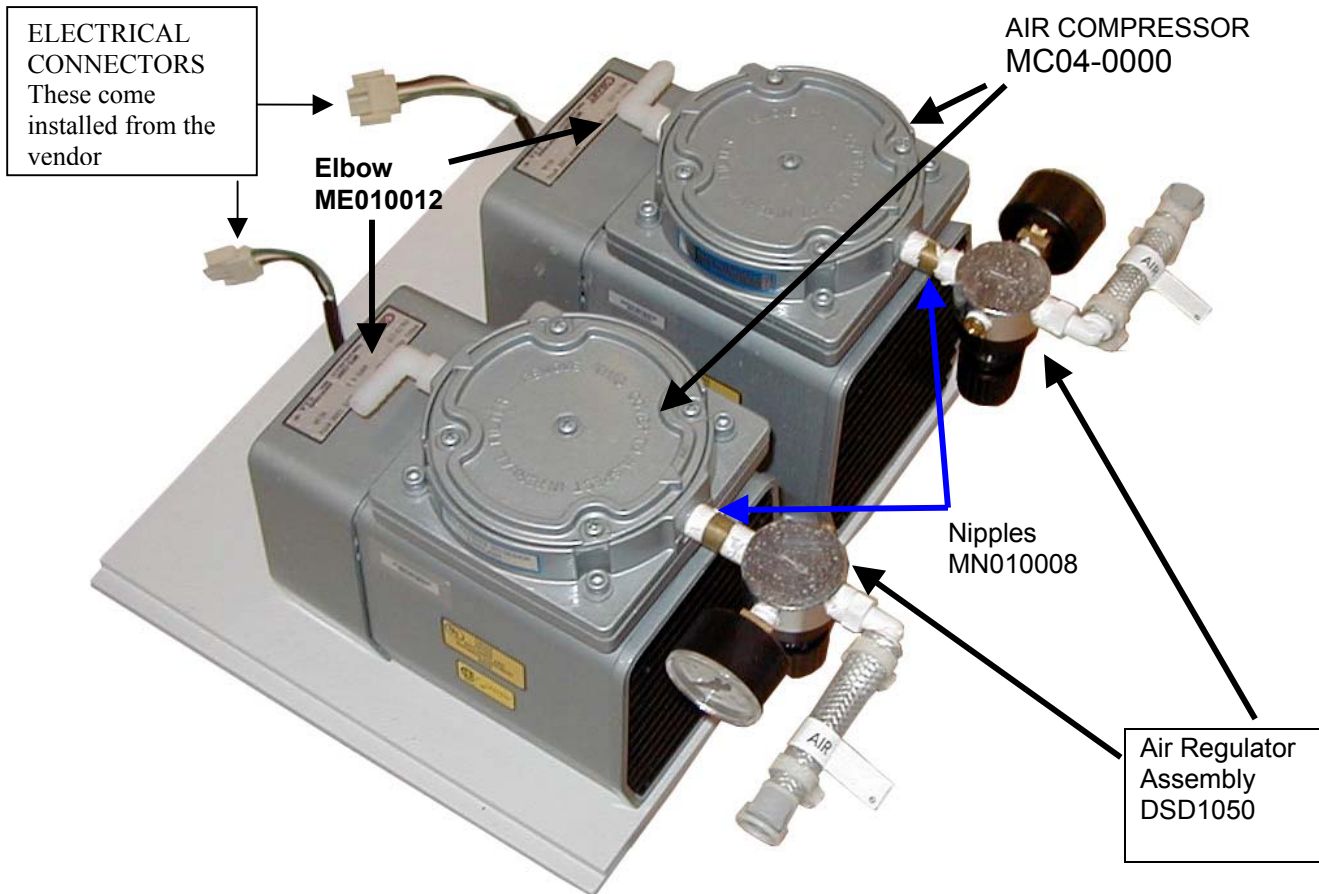
Document number: 50090-943 Rev A

Pg. 14 of 30

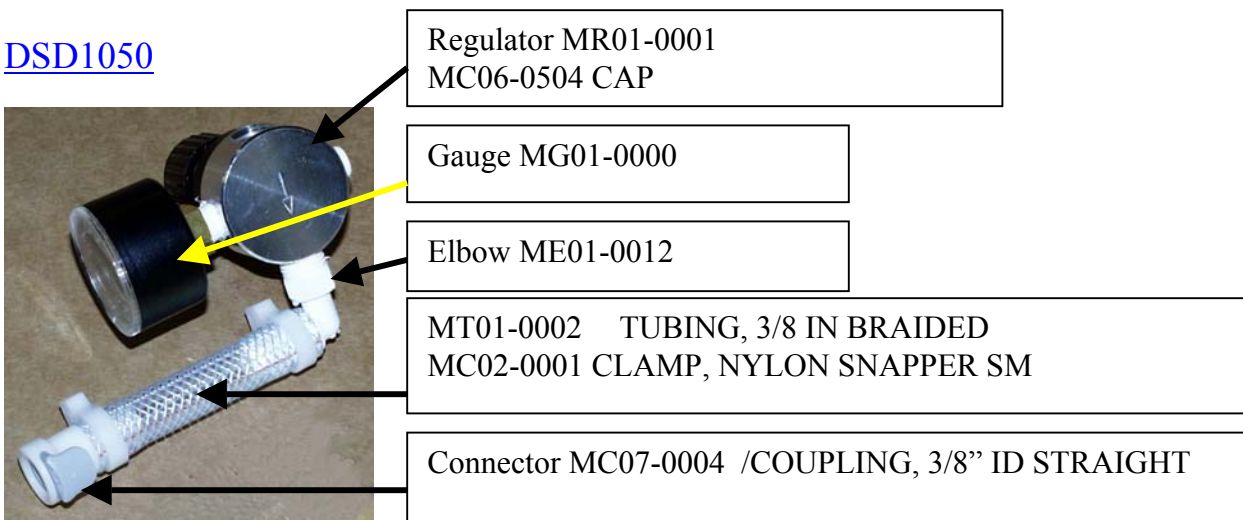
Back to [CONTENTS](#)

Air Compressor DSD 1046

DSD1046 is the entire Assembly shown below. To send out one air compressor, use the MC040000 Part number This will ship without the regulator and elbow connector.



[DSD1050](#)



DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 15 of 30

Back to [CONTENTS](#)

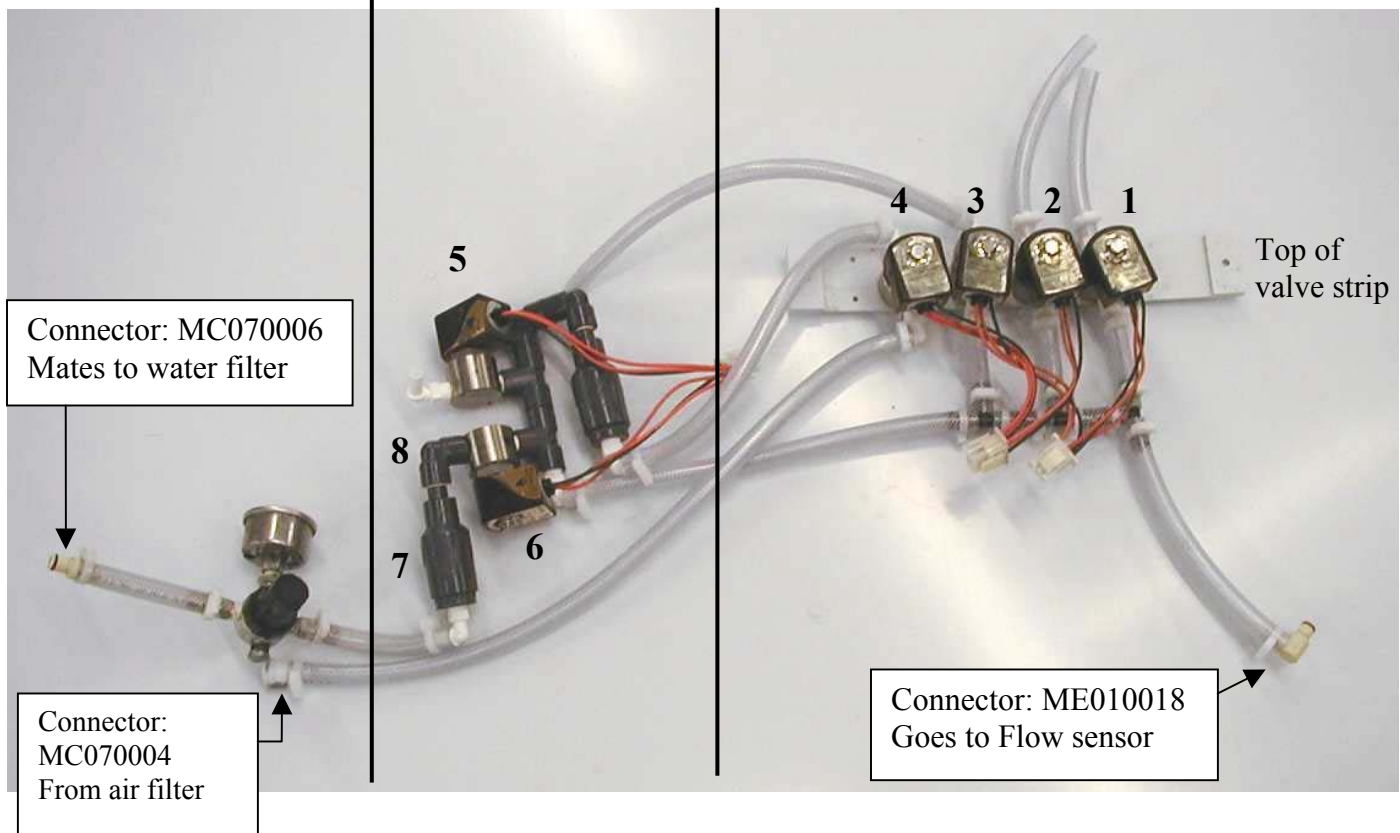
Upper And Lower valve assy

This view shows connection of the upper and lower valve assy's to the water regulator.

Water assy
[DSD1068](#) Left
[DSD1069](#) Right

Lower valve assy
[DSD1036](#)

Valve strip assy
[DSD1035](#) (A is left side B is right)



Valve locations

1. Alcohol
2. Detergent
3. Chamber fill
4. Air
5. Disinfectant
6. Water (will be on the bottom)

7. Old style check valve pictured here
Click [here](#) to go to the new style. To adapt the new style onto an old assy like this, change item 8 to an ME010012 elbow with a couple of inches of tubing and clamps (MC020001)

Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

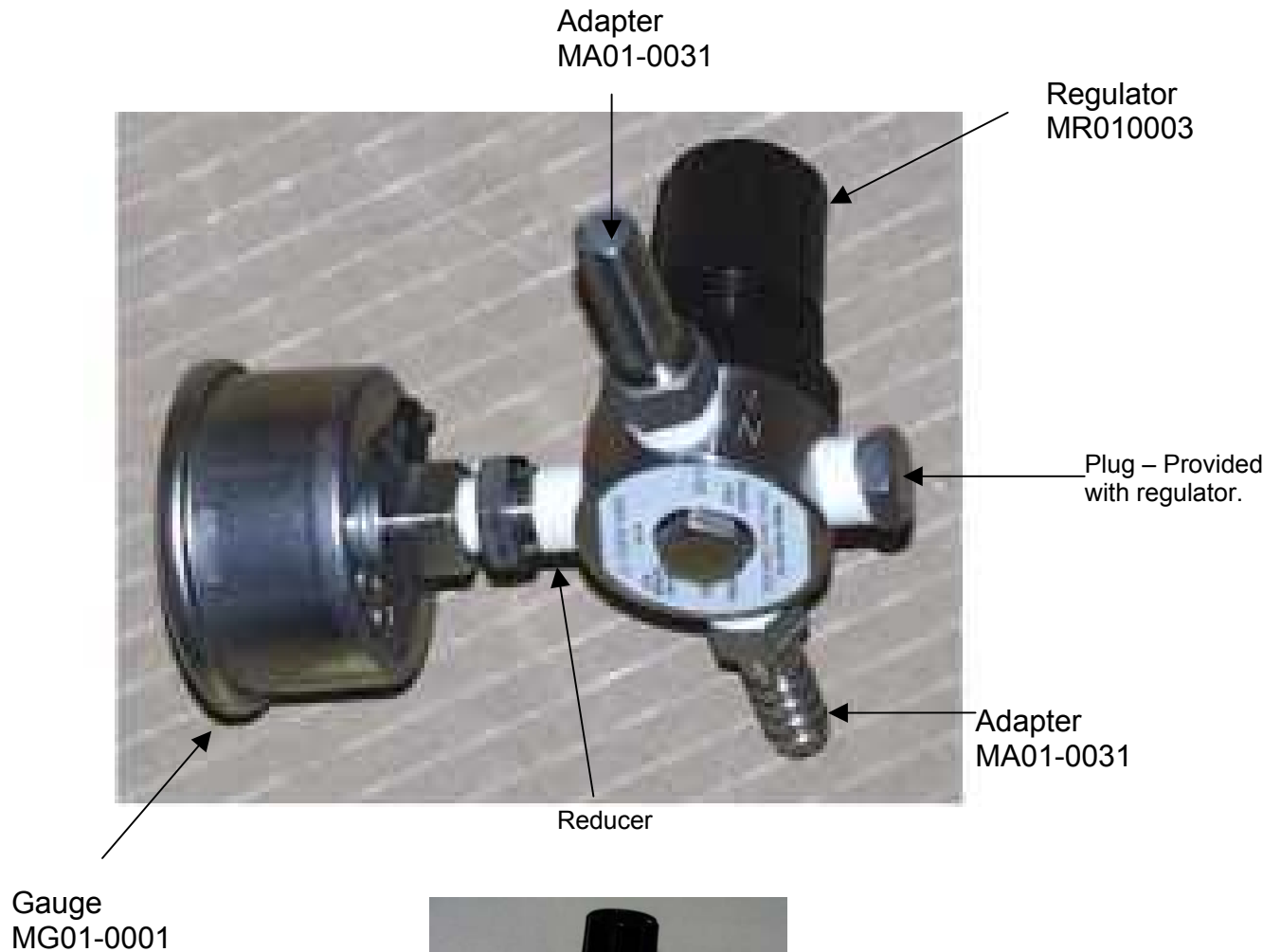
Document number: **50090-943 Rev A**

Pg. 16 of 30

Back to [CONTENTS](#)

DSD1068 / DSD1069 Water regulator assy

Left Side A Right Side B



Back to [CONTENTS](#)

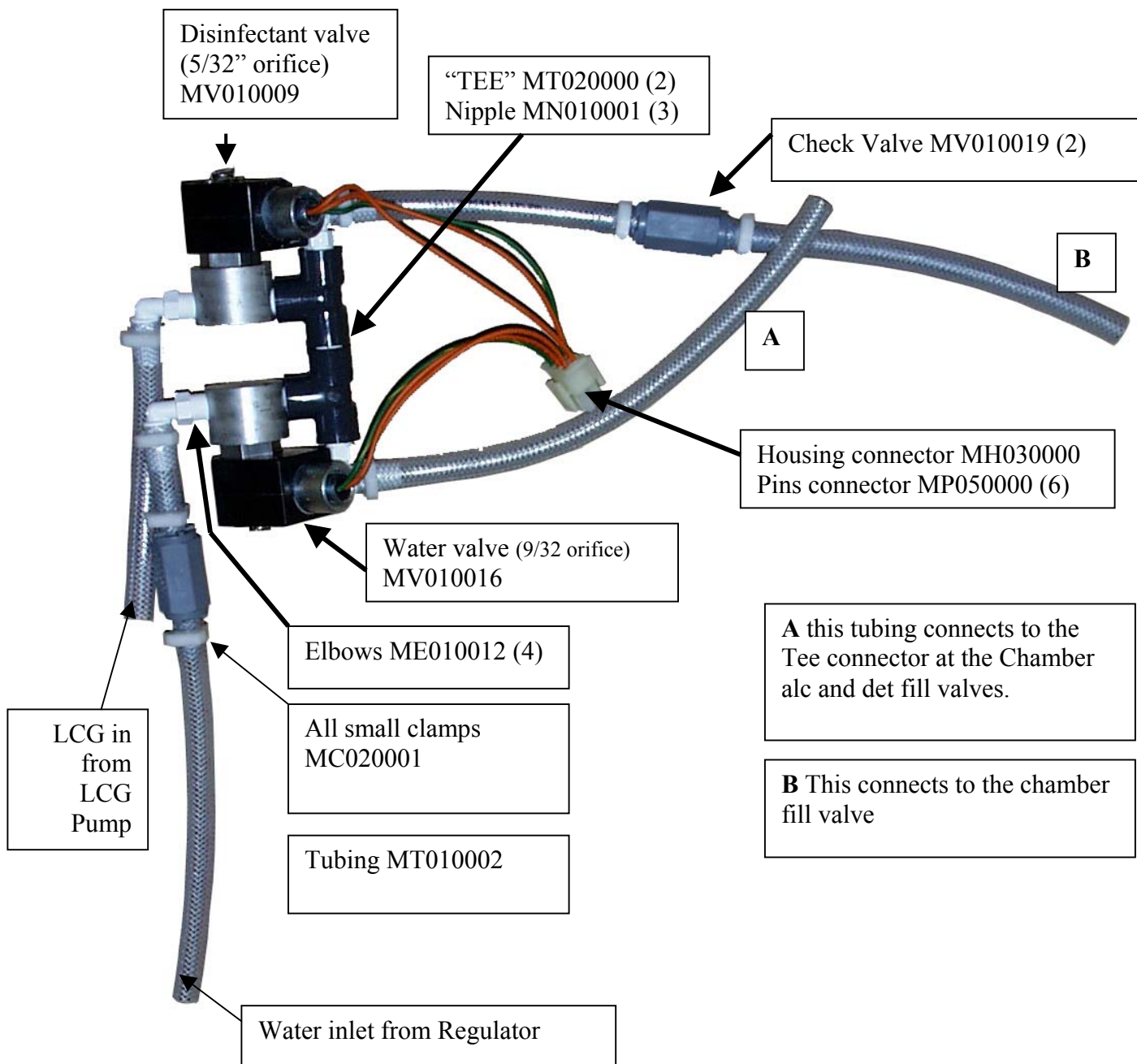
DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 17 of 30

DSD1036 Lower valve assy (Water and disinfectant)

Back to [CONTENTS](#)



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

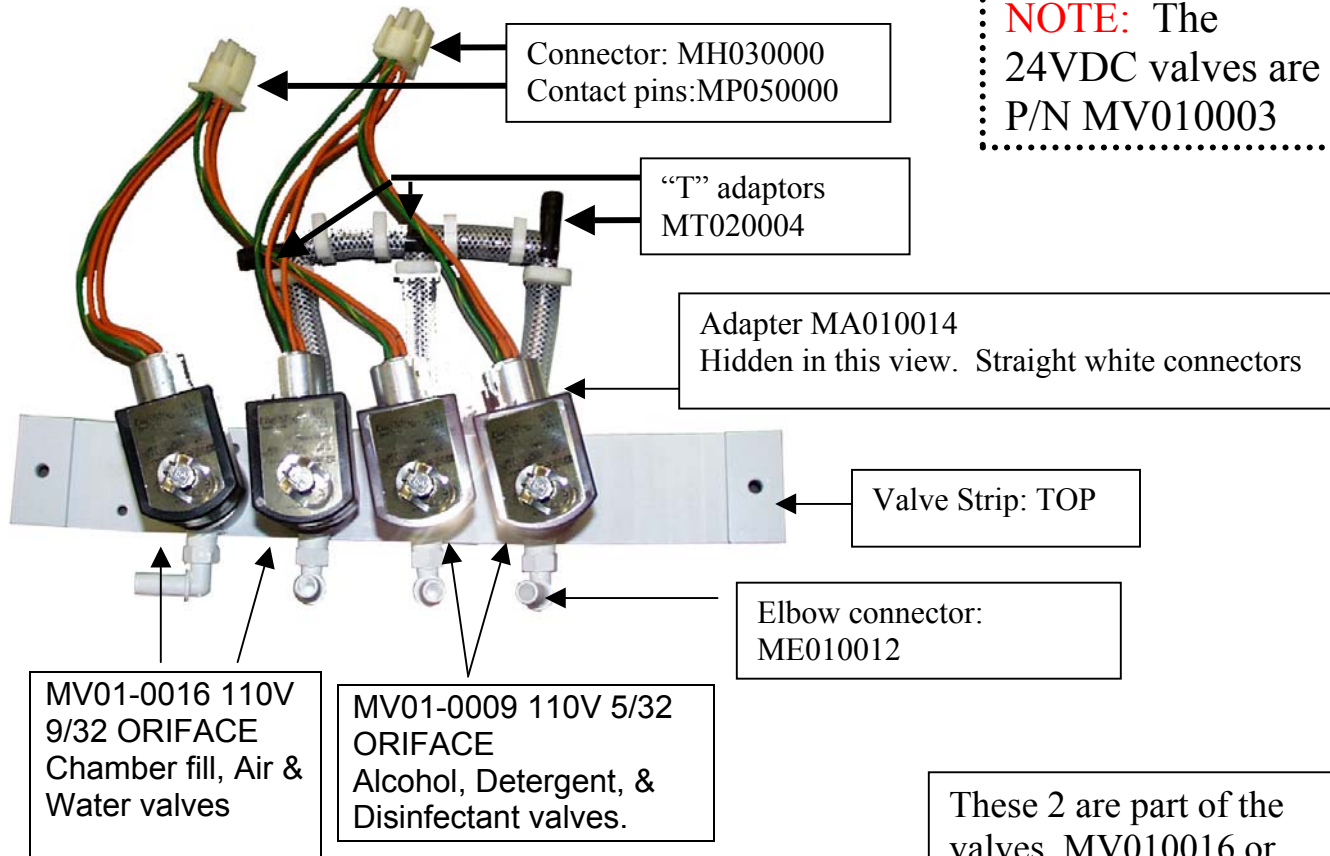
Document number: 50090-943 Rev A

Pg. 18 of 30

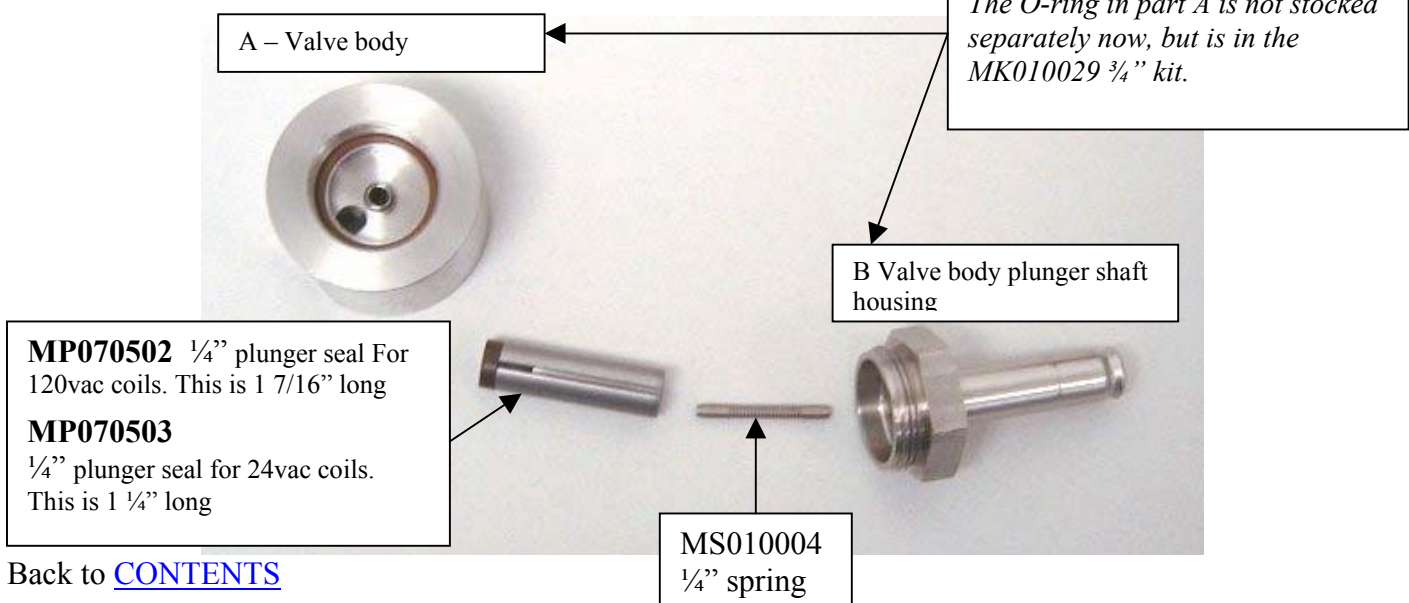
Back to [CONTENTS](#)

DSD1035B RT SIDE ASSY.

NOTE: The 24VDC valves are P/N MV010003



1/4" Valve breakdown



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

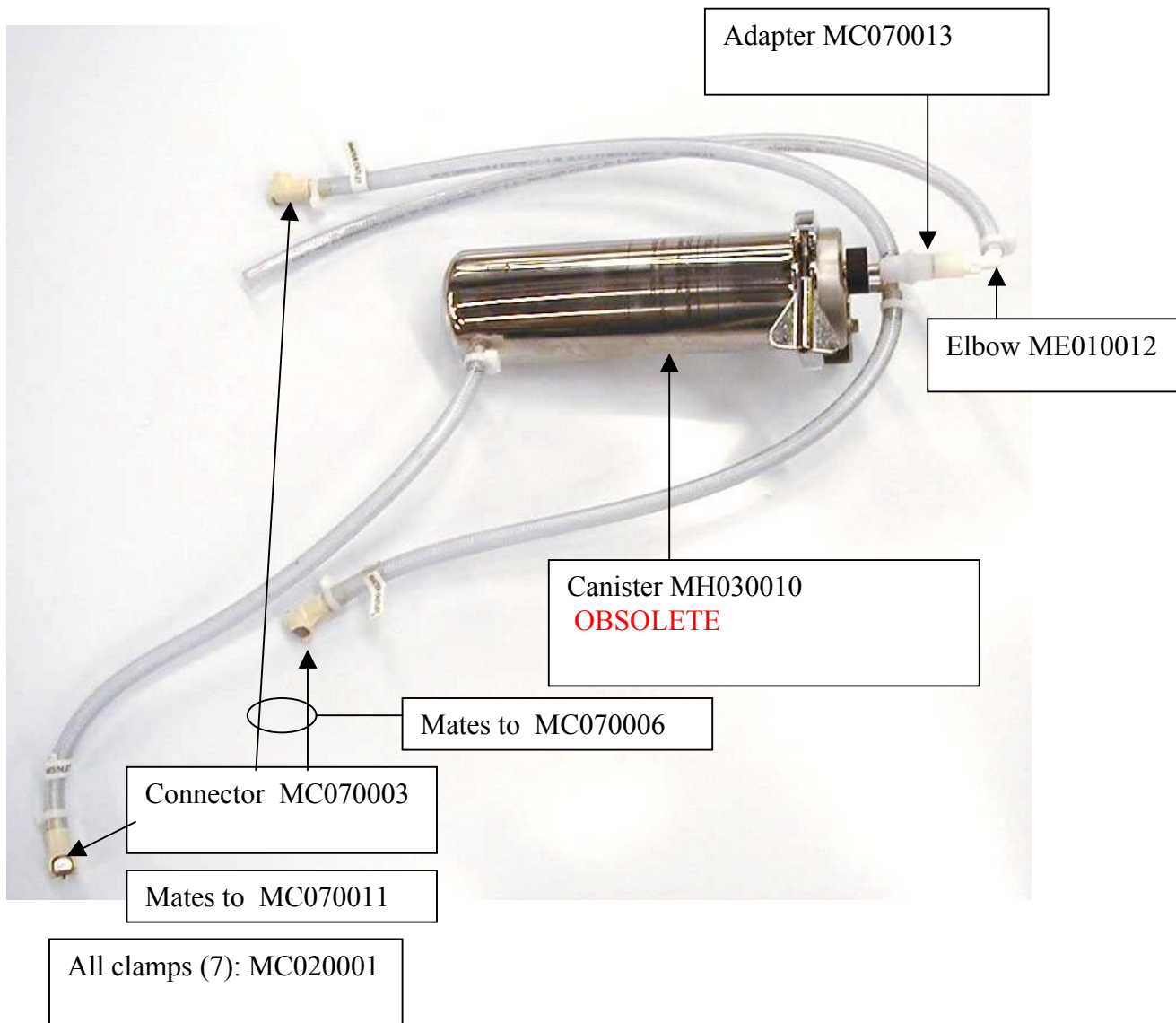
Document number: 50090-943 Rev A

Pg. 19 of 30

Domnick Hunter .2 micron Fltr assy

Back to [CONTENTS](#)

Domnick Hunter .2 micron filter housing assembly DSD1039 - **OBSOLETE**
Replaced by [MK010071](#)



Back to [Contents](#)

DSD 91E Illustrated parts guide

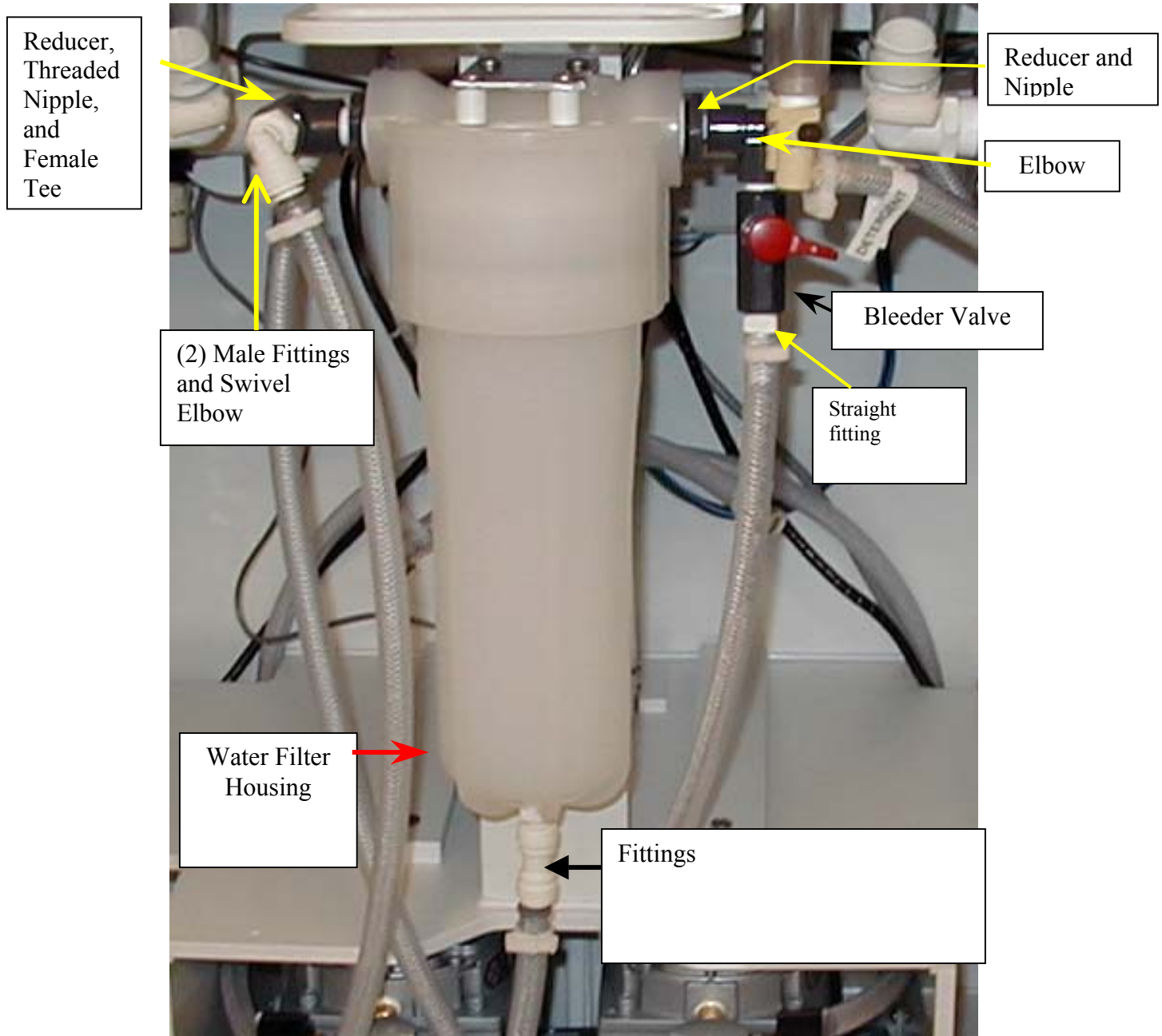
Document number: 50090-943 Rev A

Pg. 20 of 30

Back to [Contents](#)

MK010071 Replacement for the Stainless Steel (DSD1039)

See next page for parts list



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 21 of 30

Parts list for MK010071

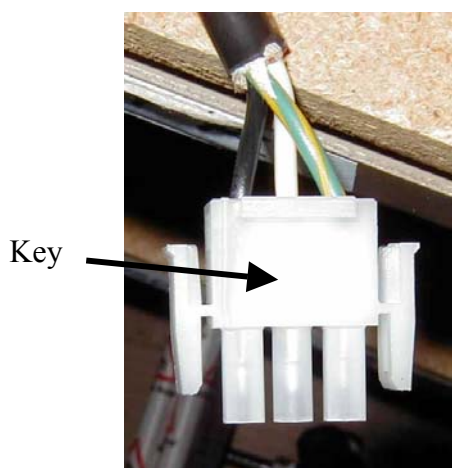
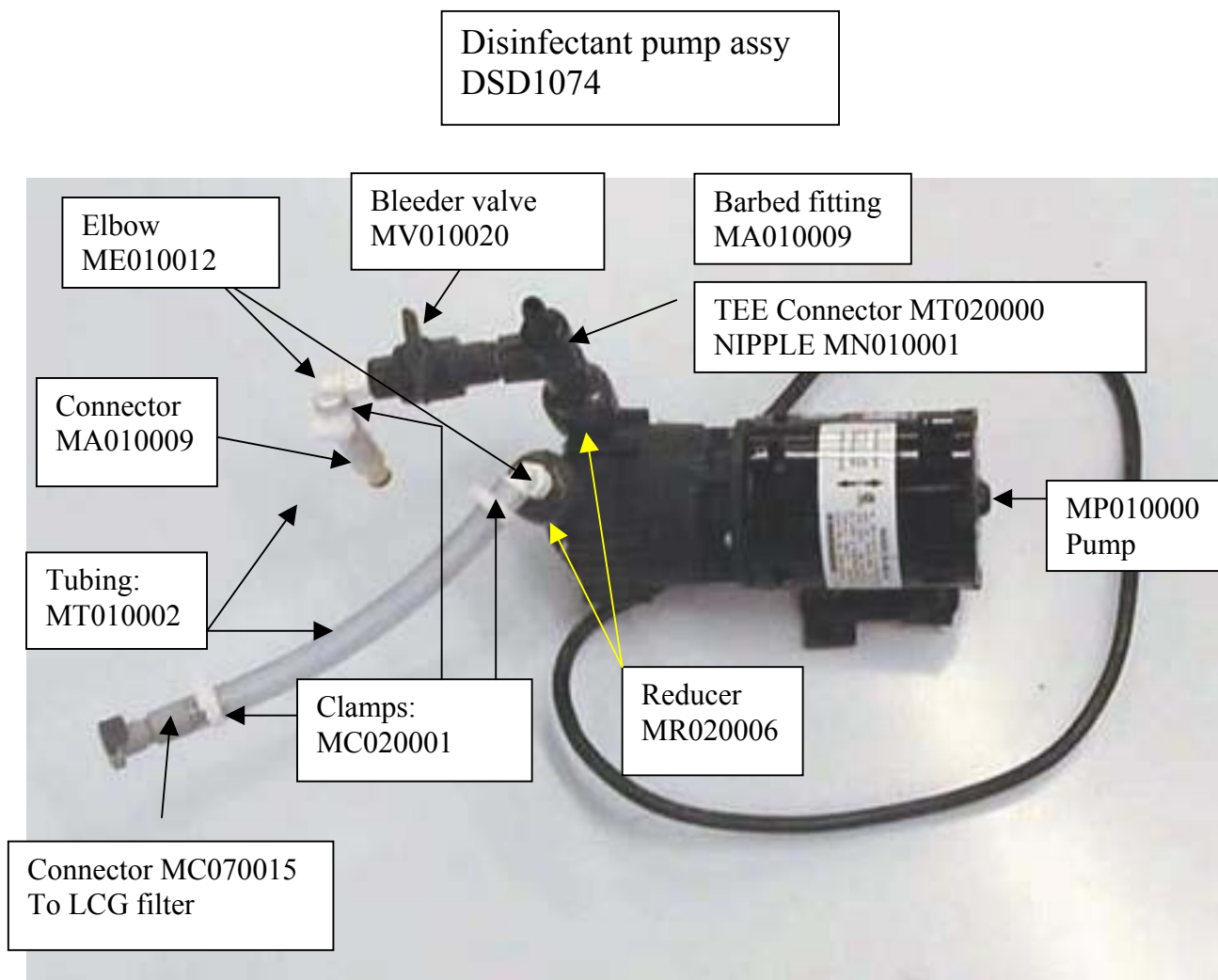
MK01-0071	KIT, 91E PLAS FLTR HOUS	MN03-0006	NUT, 1/4 X 20 SS
MA01-0014	ADPTR, 1/4 MNPT X 3/8 HB	MO01-0020	ORING, 1/8 CSX3- 3/4IDX4OD
MA01-0049	ADPTR, 3/8X3/8 FNPT	MR02-0011	REDUCER, 3/4NPT X 3/8NPT
MA01-0064	ADPTR, 3/8 STRAT SPEEDFIT	MR02-0012	REDUCER, 3/4NPT X 1/4"NPT
MA01-0076	ADPTR, 1/4 NPT-3/8 SPDFT MALE	MS03-0507	SPACER, .27IDX.5ODX61SS
MB04-0024	BRACKET, PLAS WATER FILT.	MS05-0052	SCREW, 1/4-20 HEX HD SS
MC02-0001	CLAMP, NYLON SNAPPER SM	MS05-0099	SCREW, #12X1.5 PAN HD SS
MC07-0003	COUPLNG, 3/8 IN ID HB	MS05-0100	SCREW, FILTER RETAINER
MC07-0021	COUPLNG, IN-LINE 3/8HB	MT01-0002	TUBING, 3/8 IN BRAIDED
ME01-0002	ELBOW, 1/4 PVC SCH 80	MT02-0024	TEE, FEMALE 3/8
ME01-0026	ELBOW, 3/8-3/8NPTF	MV01-0020	VALVE, 1/4FPTXMPT PVC
MH03-0030	HOUSNG, PLAS WATER FILT	MW02-0005	WASHER, 1/4 SPLIT
MN01-0000	NIPPLE, 1/4 X CLOSE S/80		
MN01-0015	NIPPLE, 3/8 NPT X 3/8 NPT		

DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 22 of 30

Back to [CONTENTS](#)



Install black
wire in the
side with
the key.

Electrical connector MH030002
Pins: MP050000

Back to [CONTENTS](#)

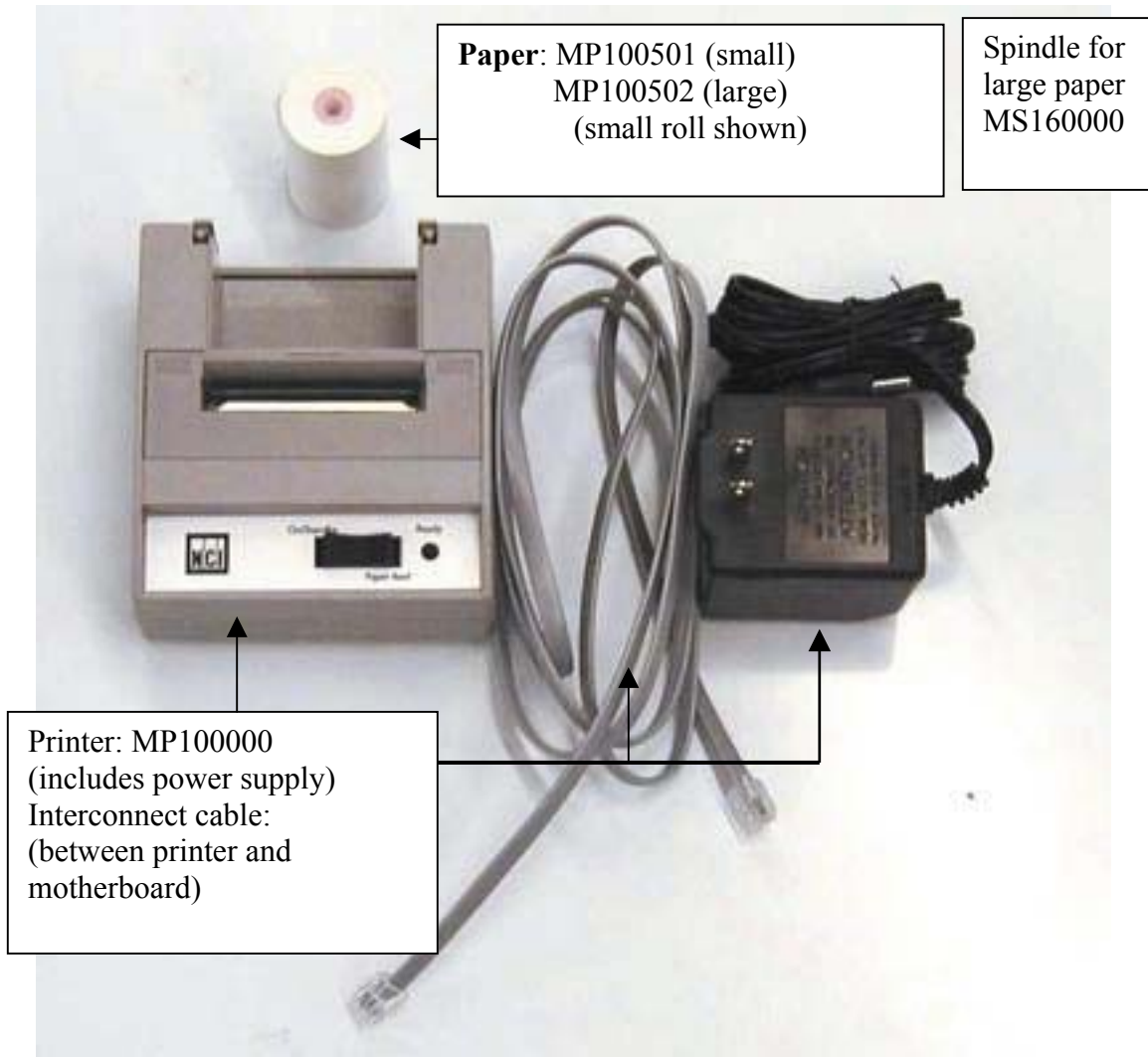
DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 23 of 35

Printer

Back to [CONTENTS](#)



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

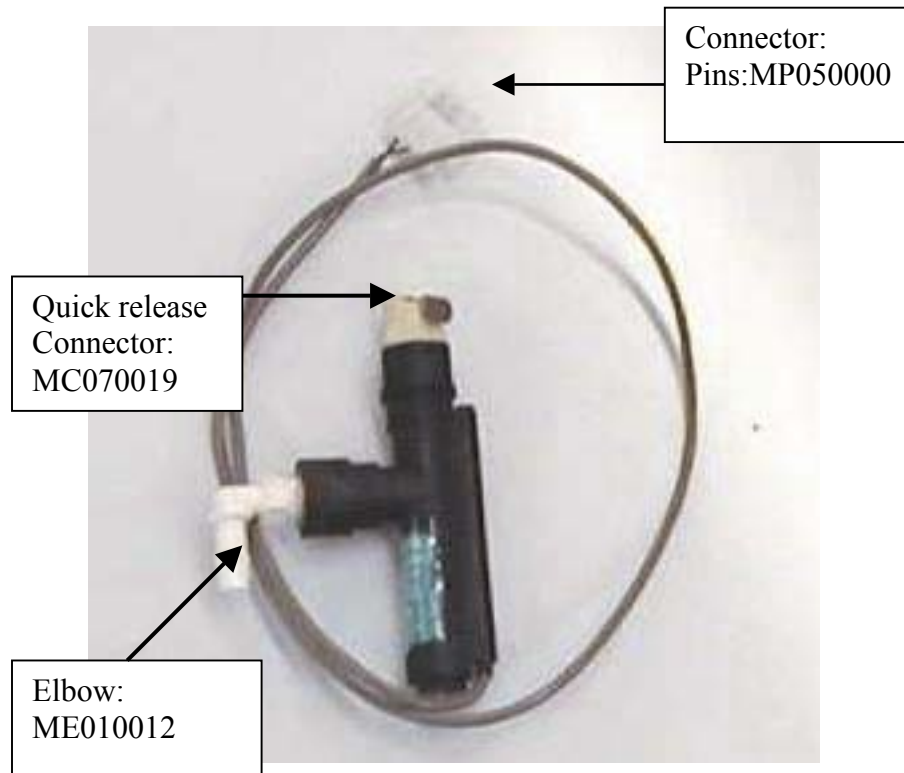
Document number: **50090-943 Rev A**

Pg. 24 of 30

Back to [CONTENTS](#)

DSD1081 FLOW SENSOR ASSY

The flow sensor does not have any sub components. It is as shown below.

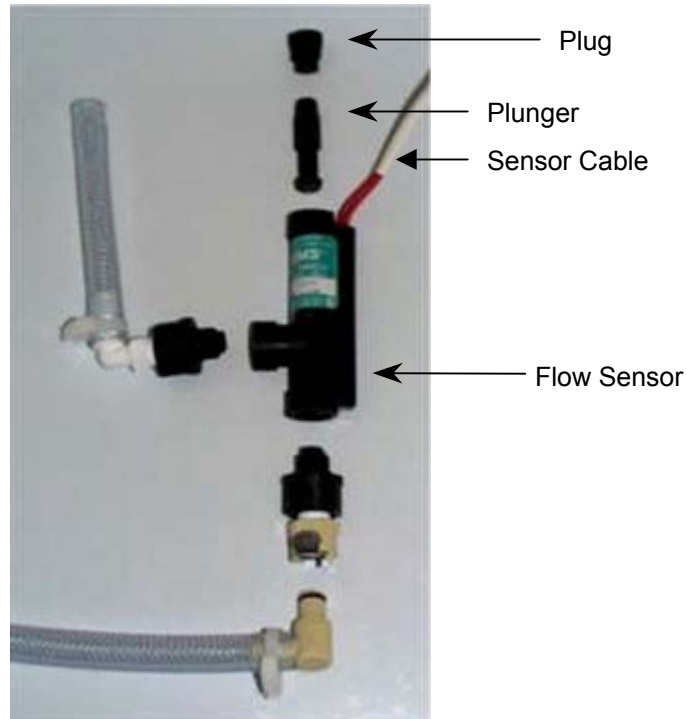


DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 25 of 30

This illustrates the Flow sensor opened up.
The individual parts
of the Flow Sensor
are not stocked items



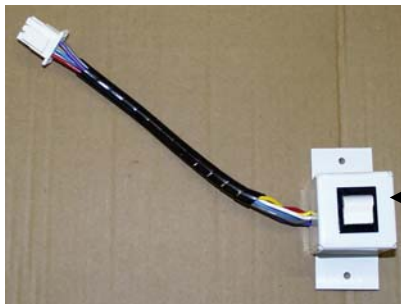
Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

Document number: 50090-943 Rev A

Pg. 26 of 30

Back to [CONTENTS](#)



Chemical load switch

Right hand side DSD1054

Left hand side DSD1089

Parts list:

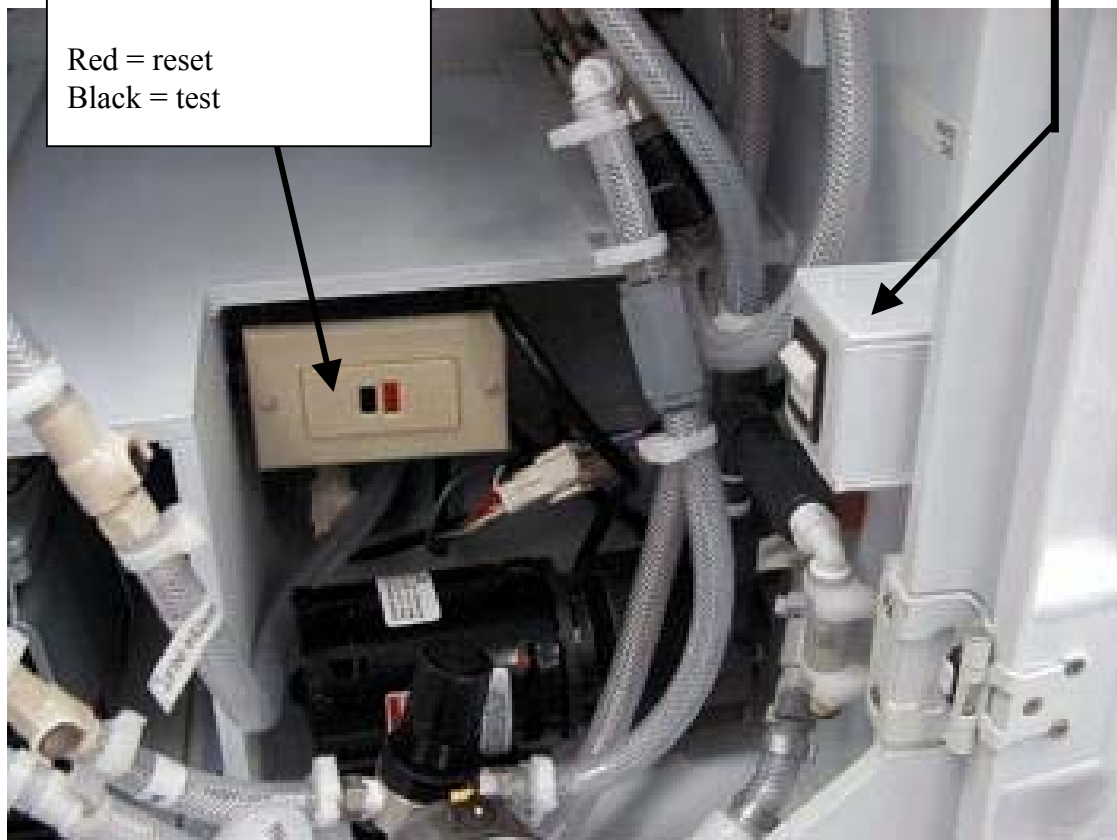
- MH050014 HARNESS, DISINFECT PUMP SWITCH
- MS040514 SHIELD, DISINFECTANT PUMP SWIT
- MS070500 SWITCH, ON-BOARD PUMP ROCKER

GFI & Chemical load switch

DSD1016
GFI circuit breaker
MI010000

Red = reset
Black = test

220Vac GFI P/N MI01-0002



Back to [CONTENTS](#)

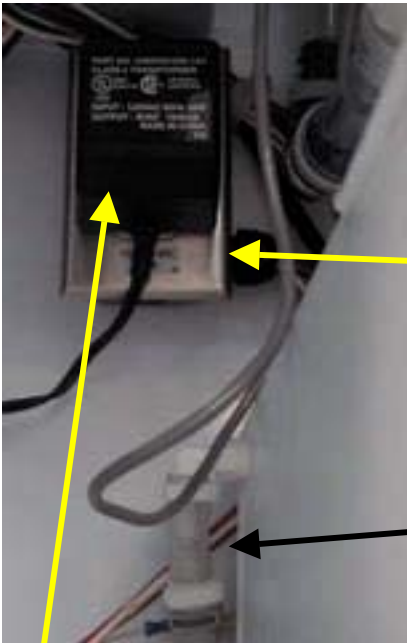
DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 27 of 30

Back to [CONTENTS](#)

Electrical outlet



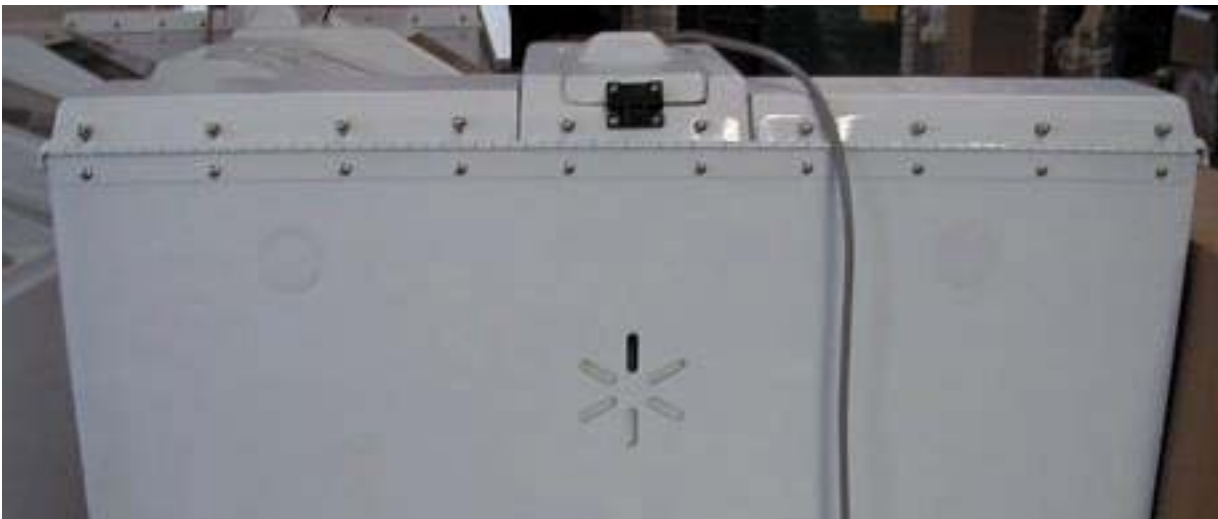
Electrical outlet. Shown with
printer power supply plugged in.

MP060024 120VAC
MP060023 220VAC

Overflow valve connects to a drain
tube that comes out in the bottom on
the front
Connector: MC070015

[Printer power supply](#)

Single Hinge MH010006
Hinge pair MH010004
Printer hinge MH050007



Back to [CONTENTS](#)

DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 28 of 30

Back to [CONTENTS](#)

Drain manifold: This is the drain manifold for the water to drain from the rinse overflow and drain valves.

DSD1001 This is for the right drain. If a left drain is needed, use the same P/N, but request left drain.



Back to [CONTENTS](#)

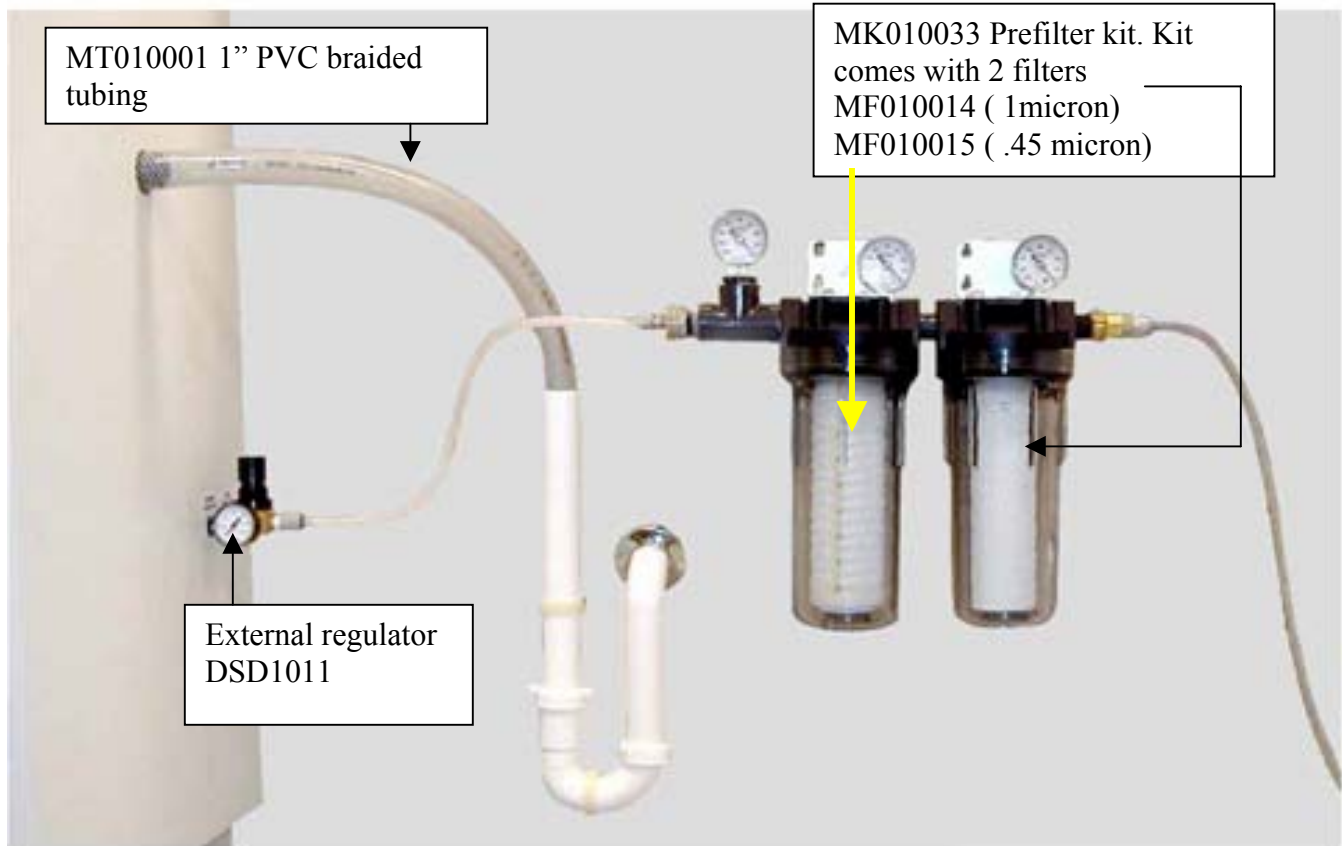
DSD 91E Illustrated parts guide

Document number: **50090-943 Rev A**

Pg. 29 of 30

Back to [CONTENTS](#)

External regulator and water filter set.



Old style sediment water filter



Back to [CONTENTS](#)



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