TPC

DELIVERY SYSTEMS

CHAIR MOUNTED DELIVERY UNIT

Mirage 2.0

Installation, Operation & User Manual

Models 2000-2.0 (with cuspidor) and 2015-2.0 · Includes parts list, junction box template and plumbing schematics



DOCUMENT
Mirage 2.0 Delivery Unit Manual
Revised October 2025

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How to read this manual

⚠ **WARNING** Risk of injury or damage to the equipment. Follow exactly.

ⓘ **NOTE** Information that makes the job easier or the result more reliable.

1 Numbered steps are done in order.

Tubing colors

Tubing is color-coded throughout this manual and on the schematics: blue for water, yellow for air. Match colors exactly when connecting.

Need help?

(800) 560-8222

Toll-free technical support, or email service@tpcdental.com.

SECTION 01

Unpacking and inventory

Each Mirage 2.0 delivery unit ships in the boxes below. Check every item against this list before you start the installation.

BOX 1 · LARGEST

Flex arm

- [ ] Delivery unit flex arm
- [ ] Assistant's arm
- [ ] Light post
- [ ] Skid pad
- [ ] Cosmetic trim ring

BOX 2

Post mount utility center

- [ ] Utility center
- [ ] Master controls on the air and water umbilical
- [ ] Wet/dry foot control
- [ ] HVE and SE valves with tubing
- [ ] Water bottle, 1,500 mL

BOX 3 · OPTIONAL

2000-C cuspidor

- [ ] Cuspidor
- [ ] Bowl rinse spout
- [ ] Cuspidor bowl strainer

BOX 4 · IF REQUIRED

Separate junction box

For chairs without an integrated pump cover / junction box.

- [ ] Junction box cover
- [ ] Junction box frame

NOTE The junction box floor template is on page 15. The complete parts list starts on page 31.

Need help with your installation?

Contact TPC toll-free or by email at any time.

(800) 560-8222

service@tpcdental.com

GETTING STARTED, CONTINUED

Product overview

The Mirage 2.0 is an asepsis delivery unit that mounts directly to the patient chair, with an air-actuated, counterbalanced arm and touchpad controls. The 2000-2.0 adds a porcelain cuspidor with a swing-away bowl.



Fig. 1 Control head



Fig. 2 Porcelain cuspidor (2000-2.0)



Fig. 3 Assistant's instrumentation

Standard features

- ✓ Asepsis automatic control for three handpieces
- ✓ Individual handpiece pressure adjustments
- ✓ Air-actuated counterbalanced arm lock
- ✓ 3-way syringe on the unit head
- ✓ Touchpad controls
- ✓ Vacuum canister with solids collector screen
- ✓ Utility center with asepsis housing
- ✓ Self-contained water with city/bottle selector
- ✓ Individual water and air coolant flow controls
- ✓ Handpiece tubing flush system
- ✓ Ultra-soft 6-pin asepsis tubing, Midwest
- ✓ Disc foot control with wet/dry toggle, 7′ tubing
- ✓ Straight light post for a unit-mount light
- ✓ Water quick disconnect

Models

Included	2000-2.0	2015-2.0
3-handpiece control head, flex arm with dual air brake, tri-block, utility center, light post, 7′ umbilical	•	•
Rotating 4-position assistant's package, HVE, SE, water quick disconnect, solids collector, clean water system	•	•
Porcelain cuspidor with sensor bowl rinse and cup filler, swing-away bowl	•	–

GETTING STARTED, CONTINUED

Options and shipping

Factory options

TPC3WAY-PRT	Additional autoclavable 3-way syringe
P2335+TB	Deluxe autoclavable HVE with tubing
WIC800	Standard monitor bracket
WIC840	Mirage monitor bracket, 16" extension
MO17	17" LCD multimedia monitor
A800N-1	Advance 800 piezo scaler, built in
H7000	Illumination system, ISO B (5-hole)
H7660	Illumination system, ISO C (6-pin)
ALED55BN-A	5 W LED curing light, built in
L700-LED	Vivid LED operatory light
L600-LED	Lucent LED operatory light
L550-LED	Lustrous LED light, motion sensor
BELBRKT	BLMT chair mount bracket (20 / 50)
TPCBRKT	TPC chair mount bracket
TP-2005	Touchpad: 3 presets, auto return
TPE-2011	Chair and electric motor touchpad
53016-L-100	Disposable solids trap, 2⅛" (100)
2000-C-2.0	Mirage cuspidor
EMB-901	Built-in electric motor system
XV100	Super-thin X-ray viewer
XV150-R	X-ray viewer bracket, round arm

Options are not factory-installed unless specified on the purchase order.

Shipping cartons

Carton	L × W × H (in)	Weight
Delivery unit (flex arm)	39 × 29 × 23	60 lb
Post mount utility center	43 × 25 × 12	40 lb
Cuspidor (optional)	26 × 18 × 10	20 lb

SECTION 02

Utility center and light post

Mount the post mount utility center (PMU) on the chair first. Every later step depends on it being level.

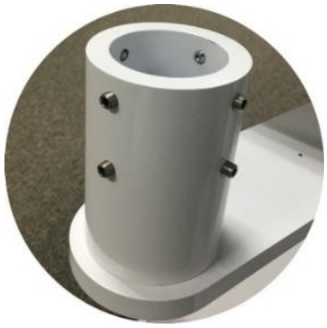


Fig. 4 Utility center on the 2" adaptor cup



Fig. 5 Adaptor cup set screws



Fig. 6 Aligned with the chair armrest

Mount the utility center

1. **Seat the utility center** on the 2" chair adaptor cup.
2. **Check level in both directions,** front to back and side to side. The utility center must not tilt.
3. **Tighten the set screws** on the adaptor cup once it is level.
4. **Confirm alignment.** The utility center should sit parallel with the chair armrest.



Fig. 7 Light post, machined end down



Fig. 8 Light post in the center opening



Fig. 9 Light post set screws

Install the light post

5. **Insert the light post** into the center opening on top of the utility center, machined side facing down.
6. **Tighten both set screws,** one on each side of the utility center, to lock the post in place.

INSTALLATION

Mount the unit arm



Fig. 10 Trim piece in position



Fig. 11 Tubing routed through the support post



Fig. 12 Unit arm seated on the mounting hub

1. **Install the trim piece first.** Slide it into position before anything else; it cannot be fitted once the arm is mounted.
2. **Route the tubing.** Pass the tubing through the support post, then out of the mounting hub and into the utility center. Do not pinch or twist the tubing.
3. **Mount the unit arm.** Slide the arm down onto the mounting hub and check that it is secure. It should not wobble or lift off.

Check before you continue

- Tubing runs freely and is routed correctly.
- The trim piece is in position.
- The arm is stable and secure on the hub.

INSTALLATION

Foot control tubing

Route the wet/dry foot control tubing into the side box and connect each line by color and function.



Fig. 13 Foot control tubing entering the side box



Fig. 14 Foot control connections

Connections

Yellow / grey (1)	Yellow line **supplies** the foot control from the 2" umbilical. From the junction box → to the foot control inlet port.
Yellow / grey (2)	Yellow line **returns** from the foot control. From the foot control → to the main block in the flex arm.
Green / grey	Green line carries **signal air** to the water relay in the unit head. It switches handpiece water on and off from the foot control.

⚠ **WARNING** Both yellow/grey sets look the same. Track each one by direction and function. The fittings are keyed to connect one way only; if they are reversed, air purges out of the foot control disc.

INSTALLATION

Final tubing connections

Connect the remaining color-coded lines exactly as shown, matching each tube color at both ends.



Fig. 15 Final tubing connections in the side box

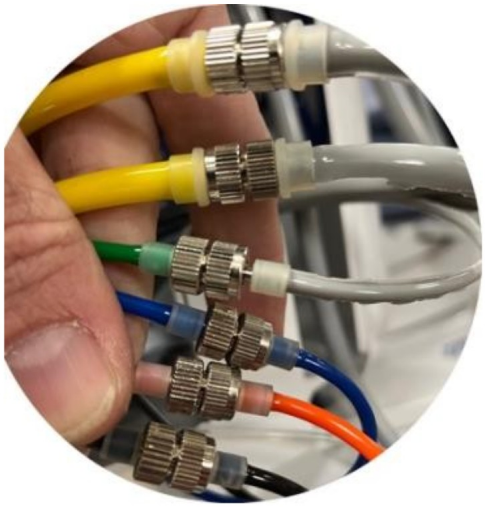


Fig. 16 Color-matched connectors

Blue / blue	**Water supply** from the side box routing valve to the unit head. Carries the operating water used at the handpieces.
Orange / orange	**Signal air return** from the master switch. Returns the air signal when the master switch is off.
Black / black	**Signal air supply** to the master switch. Delivers the air signal that activates it.

NOTE The complete plumbing schematics are in Section 07, starting on page 28.

INSTALLATION

Connect the master controls



Fig. 17 Air and water master controls



Fig. 18 Master regulator and gauge

Connect

1. **Purge the supply lines.** Before connecting, briefly open the air and water supplies into a container or drain to flush out debris, dust and contaminants that can damage valves or clog filters.
2. **Connect to the junction box.** Attach the air and water master controls to a suitable angle stop, usually inside the junction box. Make sure the connections are secure and leak-free.

Set the regulators

Air master	Water master
80 PSI	**40 PSI**

3. Loosen the lock nut on the mini regulator.
4. Turn the knob clockwise to increase pressure, counterclockwise to decrease.
5. Tighten the lock nut once the pressure is set.

ⓘ **MICRON FILTER** A replaceable micron filter inside the pilot valve body catches fine particles in the air line. Replace it periodically as routine maintenance.

INSTALLATION

Bottle pressure and low-voltage power



Fig. 19 Water bottle mini regulator

Set the water bottle pressure

1. **Open the side utility center panel** and locate the mini regulator that feeds the water bottle.
2. **Set the regulator to 35 PSI.**
3. **Tighten the lock nut,** if fitted, so the setting cannot drift.

⚠ **WARNING** Never exceed 40 PSI. Higher pressure can cause leaks or damage the bottle.

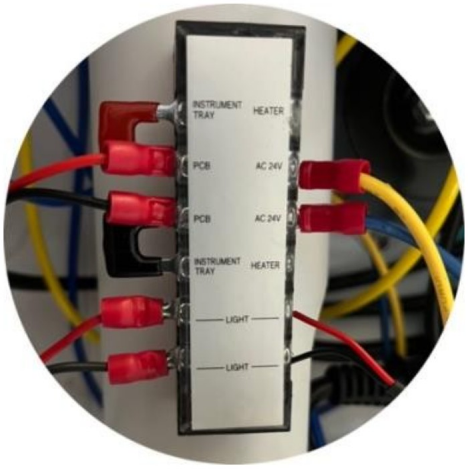


Fig. 20 Low-voltage terminal strip (PMU)

Low-voltage power terminal

The terminal strip in the side utility center powers the unit head, supports 24 VAC low-voltage devices, and switches an LED operatory light.

1. **Locate the terminal strip** inside the utility center.
2. **Connect the 24 VAC power leads** to the terminal. This powers the unit head and any low-voltage accessories.

ⓘ **LIGHT PORT** The light port gives remote on/off control of an LED operatory light. It requires the TP-2005 touchpad, wired into the low-voltage circuit.

INSTALLATION

Touchpad harness

The touchpad harness links the TP-2005 touchpad to the unit PCB and then to the chair, so the touchpad can run chair functions and the operatory light.



Fig. 21 Harness routed around the support post



Fig. 22 Harness at the unit main PCB

At the delivery unit

1. **Route the harness** from the flex arm around the unit support post. Keep a clean path with no pinching, pulling or twisting; use clips or ties as needed.
2. **Connect it to the main PCB** in the utility center, at its designated port.

At the chair

3. **Find the harness in the umbilical** that runs from the unit to the chair base. On some chairs the harness is pre-installed; in that case run it directly to the delivery unit PCB.
4. **Open the chair pump cover** (Mirage 1.0, Mirage 2.0 and Laguna 2.0) and locate the chair main PCB.
5. **Plug the harness into the chair PCB.** This links the chair and unit boards for touchpad chair control and remote light switching.



Fig. 23 Chair PCB: Mirage 1.0 – 2.0



Fig. 24 Chair PCB: Laguna 2.0

INSTALLATION

Pressure switch and low-voltage control



Fig. 25 Pressure switch wiring, Mirage 2.0

What it does

The pressure switch is a safety control on the low-voltage supply. When the master air is off, the switch cuts low-voltage power, so devices in the unit head and the operatory light cannot be powered.

Bypassing the switch

If you want low-voltage power available whatever the air supply, wire around the switch as shown in the figure. Low-voltage power then stays on regardless of air pressure.

⚠ **WARNING** Bypassing removes a safety feature. Make sure the work is safe and code-compliant, and consult TPC or a qualified technician if you are unsure.

SECTION 03

Junction box connections

Connect the master controls at the junction box, then bring the system up to pressure. The floor template is on the next page.

Clear the supply lines

Purge the supply lines before making any connection. Debris in the air line collects on the micron filter, so confirm the line runs clear.

Identify the master controls

Air master	The **large yellow tube** leaving the back of the master control valve.
Water master	The **large blue tube** leaving the back of the master control valve.

Set the pressures

1. Open the angle stops or equivalent shut-off valves.
2. Turn the master on/off switch **on**.
3. Read the master control gauges and adjust: air about **80 PSI**, water **40 PSI**.

Final adjustments

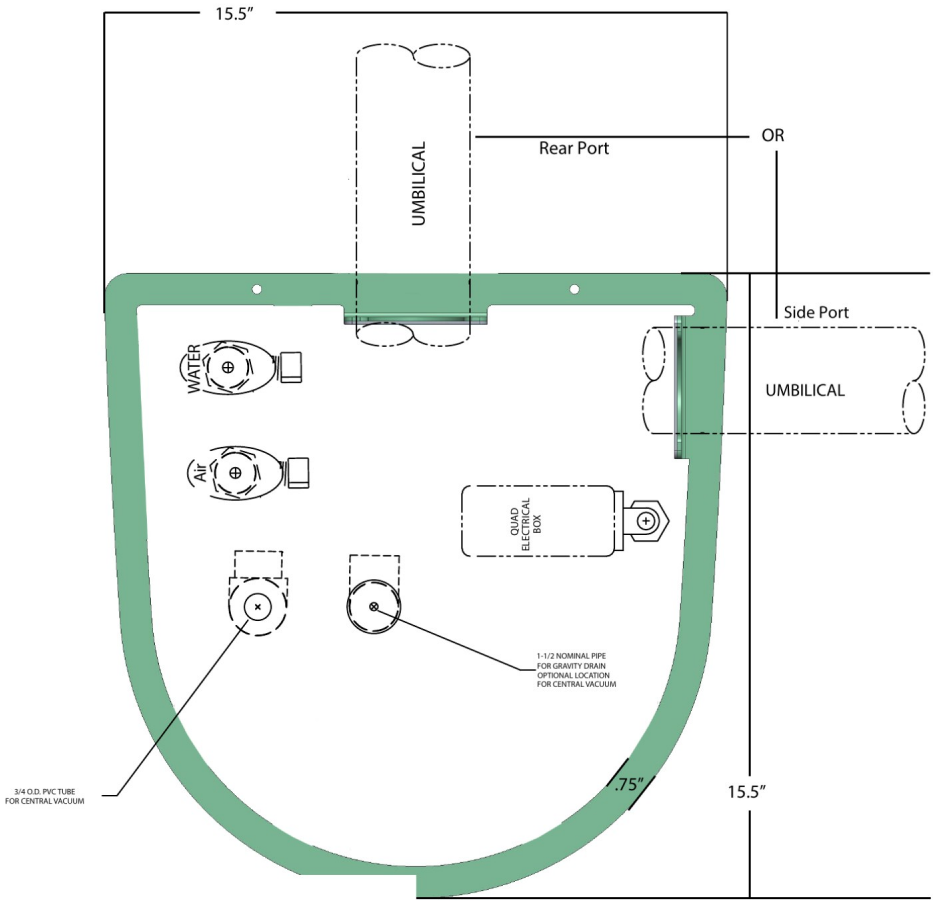
With air and water set, adjust the syringe blocks if needed, then check each handpiece pressure and adjust it (page 25).

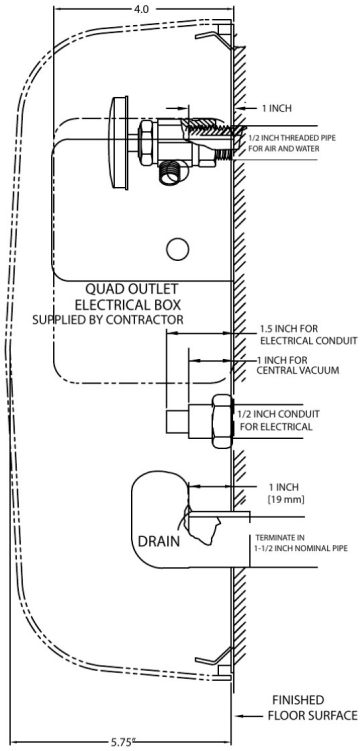
Air master	**≈ 80 PSI**
Water master	**40 PSI**
Water bottle	**35 PSI, max 40**

NOTE Junction box pressures match the regulator settings on page 10. Syringe block and bottle adjustments are on pages 11 and 18.

Junction box floor template

TPC





KEY DIMENSIONS

Footprint	**15.5" × 15.5"**
Air and water	**1/2" threaded pipe**
Gravity drain	**1-1/2" nominal**
Central vacuum	**3/4" O.D. PVC**

NOTES

1. Local regulations require that licensed plumbers and electricians install all utilities.
2. Make sure all plumbing conforms to prevailing local codes.
3. Central vacuum plumbing to the utility center should be specified by the central vacuum supplier and terminated in the utility center with a 3/4" O.D. tube perpendicular to the floor, like the drain connection.
4. The gravity drain is a 1-1/2" nominal pipe protruding from the finished floor. Place a trap in line to conform with local codes (supplied by the contractor).

Not to scale. Umbilical exits from the rear port or the side port.

SECTION 04

Flex arm tension

Three tension set screws on the flex arm set the drag at each pivot.



Fig. 26 Unit arm set screw



Fig. 27 Unit head set screw



Fig. 28 Spring arm set screw

CHECK LEVEL FIRST Tension is only a temporary fix for a drifting arm. First confirm the utility center is level and the light post is plumb; re-level the unit if it is not.

Adjust the tension

1. **Confirm the unit is level.** Adjust tension only if a level unit still drifts.
2. **Turn each set screw a little at a time:** clockwise to add drag, counterclockwise to reduce it.
3. **Test.** Move the arm through its full range and check that it holds position without drifting.
4. **If drift continues,** re-check the leveling of the utility center. Tension alone will not correct a leveling problem.

CAUTION Do not over-tighten the set screws. Too much force can damage the arm mechanism or make it stiff and bind.

ADJUSTMENTS

Unit head leveling



Fig. 29 Unit head mounting bolts and leveling screws

Level the unit head

1. **Loosen the four Allen bolts** that attach the unit head to the short control arm, just enough to allow movement.
2. **Turn the four smaller leveling set screws** (one in the center of each side) to level the head front to back and side to side.
3. **Retighten the four Allen bolts** firmly once the head is level. Do not over-tighten.

- Make small adjustments and check level often.
- Use a spirit level or a digital level app.
- Keep cables and tubing clear while you adjust.

ADJUSTMENTS

Spring tension and syringe pressure

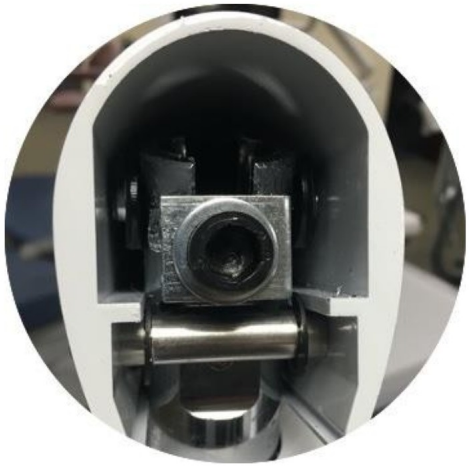


Fig. 31 Spring tension bolt in the flex arm

Spring arm tension

1. **Remove the flex arm end cap** to expose the spring adjustment bolt. Keep the cap and fasteners.
2. **Turn the bolt with an 8 mm Allen wrench,** in half-turn increments only: clockwise for more tension, counterclockwise for less.
3. **Aim for a floating, level arm** with the master switch off: it holds position but still moves smoothly.
4. **Refit the end cap.**



Fig. 32 Assistant's syringe block (side utility center)



Fig. 33 Doctor's syringe (under the instrument head)

Assistant's syringe

- Use a flat-head screwdriver.
- Clockwise decreases pressure, counterclockwise increases.
- Blue line side: water. Clear or yellow line side: air.

Doctor's syringe

- Two knobs: right is water, left is air.
- Clockwise decreases pressure, counterclockwise increases.
- Adjust gradually and test the syringe after each change.

SECTION 05 · MODEL 2000-C-2.0

Cuspidor installation

The cuspidor is optional. Skip Section 05 on the 2015-2.0.



Fig. 34 Cuspidor housing cover removed



Fig. 35 Tubing routed through the hub



Fig. 36 Cuspidor seated, screw tightened

1. **Remove the cuspidor housing cover** to reach the mounting area.
2. **Loosen the locking screw** on the mounting hub.
3. **Route the tubing** through the mounting hub without kinks or pinching.
4. **Slide the cuspidor firmly into the hub** so it seats and lines up with the housing.
5. **Tighten the fastening screw** and check the cuspidor is stable and aligned.



Fig. 37 Bowl in the housing



Fig. 38 Strainer in the bowl opening



Fig. 39 Bowl rinse spout pressed in

6. **Place the bowl** firmly in the cuspidor housing.
7. **Fit the strainer** snugly in the bowl opening to catch debris.
8. **Press the bowl rinse spout** into its hole until it is fully seated. A loose spout can spray.

CUSPIDOR

Connect cuspidor power



Fig. 40 Harness routed to the back of the PMU



Fig. 41 Connector at the main PCB



Fig. 42 Side cover refitted

1. **Route the cuspidor power harness** to the back of the PMU (Fig. 40).
2. **Plug it into the main PCB** at its designated port and make sure it is fully seated (Fig. 41).
3. **Refit the side cover** (Fig. 42).

Optional: turn off the motion sensor

To stop the cup fill starting automatically, leave the motion sensor wire shown in Fig. 41 disconnected. Cup fill can then be started only with the button on either touchpad.

- Check every connector before closing the cover.
- Test both automatic and manual cup fill after installation.
- Keep the wiring neat to avoid damage or interference.

CUSPIDOR

Cuspidor plumbing



Fig. 43 Y connector location



Fig. 44 Tubing into a quick-connect fitting



Fig. 45 Drain and vent routed

Drain and vent lines

1. **Cut the drain and vent lines** to length so they reach the Y connector without tension. Use a sharp tubing cutter.
2. **Push both lines** into the quick-connect fittings on the Y connector.
3. **Route without kinks or binding** so the lines drain and vent freely.

Water lines

4. **Locate the two water solenoids** inside the post mount utility center.
5. **Cut the clear and blue lines** from the cuspidor to length.
6. **Connect clear to the left solenoid** and **blue to the right solenoid.** Seat each tube fully.



Fig. 46 Cuspidor water solenoids in the PMU

TEST Run water through the cuspidor after connecting and check every fitting for leaks. Secure tubing with clips or ties so it cannot be pulled loose.

- Label tubing if it helps later maintenance.
- Avoid bends that restrict water flow.

CUSPIDOR

Flow, timing and controls



Fig. 47 Cuspidor flow adjustment knobs

Water flow

Two knobs on the solenoids in the side utility center set the flow.

- **Left knob:** cup fill flow.
- **Right knob:** bowl rinse flow.
- Clockwise decreases flow; counterclockwise increases it.
- Adjust in small steps and test cup fill and bowl rinse.

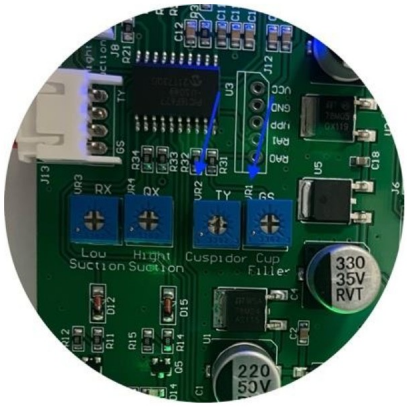


Fig. 48 VR1 and VR2 on the PMU main PCB

Timing

Two potentiometers on the patient side of the PMU main PCB set the run time.

VR1 · Cup fill	VR2 · Bowl rinse
max 10 s	**max 20 s**

- Clockwise increases the time; counterclockwise decreases it.
- Use a small screwdriver and never force a VR past its stop.
- Mark the original settings first so you can return to them.



Fig. 49 Cuspidor buttons

Cup fill and bowl rinse

- **Blue button:** cup fill. **Green button:** bowl rinse.
- The touchpad also has cup fill and bowl rinse buttons.
- Make sure the water supply is on first.

NOTE If cups overfill, set VR1 to match the cup size.

SECTION 06

Master switch, brake and coolant



Fig. 50 Master control toggle

Master on/off toggle

The toggle switches the master pilot valves in the junction box. **On** lets air and water through to the delivery unit. **Off** shuts the supply lines for safety or maintenance.



Fig. 51 Brake release button

Arm brake release

1. **Press and hold** the brake release button. Air pressure releases from the brake so the arm moves freely.
2. **Move the arm** to the position you want.
3. **Release the button.** Air pressure re-engages and locks the arm.



Fig. 52 Air coolant valve

Air coolant spray pattern

1. Make sure the air coolant valve is open.
2. Run the high-speed handpiece with water on and watch the air/water spray.
3. Open the valve further for more spray; close it partly for less.

OPERATION

Water system



Fig. 53 Flush valve

Flush the handpiece tubing

1. Hold all handpiece tubing ends over a basin or container.
2. Press the flush valve to run water through all three handpiece lines at once.
3. Release the button to stop.

Flush regularly to clear debris and stagnant water.



Fig. 54 Water bottle and cap

Fill the water bottle

1. Fill with **distilled water only** to prevent mineral build-up.
2. Fill to the recommended level.
3. Turn the bottle clockwise onto the cap until secure. Do not over-tighten.

Check the cap gasket regularly and replace it if worn or missing.



Fig. 55 Bottle pressure and water source

Bottle pressure and water source

- **Bottle pressure** pressurizes the bottle system. Install the bottle and set the regulator first.
- **Source selector** chooses city water or bottled water. Use bottled water when city water quality is uncertain.



Fig. 56 Bottle regulator



Fig. 57 Regulator stop nut

Bottle regulator

1. Loosen the stop nut on the regulator in the side utility center.
2. Turn the knob clockwise to increase pressure, counterclockwise to decrease.
3. Tighten the stop nut.

⚠ **WARNING** Set the bottle to 35 PSI and never exceed 40 PSI, or the bottle may be damaged.

OPERATION

Handpieces



Fig. 58 Handpiece water knobs

Water flow

Each handpiece has its own water knob. Turn it clockwise to decrease flow, counterclockwise to increase. Adjust gradually and check each handpiece separately.



Fig. 59 Drive air adjustment

Drive air pressure

1. Loosen the stop nut on the adjustment knob.
2. Turn the knob counterclockwise to increase drive air, clockwise to decrease.
3. Tighten the stop nut.



Fig. 60 Handpiece pressure gauge

Pressure gauge

The handpiece gauge is on the lower left of the instrument head. It reads only while the foot control is pressed **and** a handpiece is running.



Fig. 61 Exhaust particulate collector

Exhaust particulate collector

Collects particulates from the handpiece exhaust line, keeping debris away from the operatory and the equipment.

OPERATION

Light, foot control and quick connect



Fig. 62 Operatory light controls

Operatory light

1. Press the light button on the touchpad to turn the light on or off.
2. If the touchpad does not respond, turn the main light switch on first. Some setups need it on before the touchpad can control the LED light.



Fig. 63 Disc foot control with wet/dry switch

Foot control and wet/dry switch

1. **Press the disc** to send air to the main block and drive the handpiece.
2. **Move the wet/dry switch to the right** to turn on water to the handpiece tubing.



Fig. 64 Water quick connect

Water quick connect

- **Standard units:** under the side utility center, next to the 2" umbilical.
- **Swing mount units:** under the rear swing mount 4-position suction holder.

OPERATION

Solids collector trap

The solids collector is at the front of the side utility center. Change the trap when it is full or suction drops.

⚠ **WARNING** Turn off the vacuum system before removing the lid.



Fig. 65 Grasp the cap



Fig. 66 Turn ¼ and lift



Fig. 67 Remove the trap



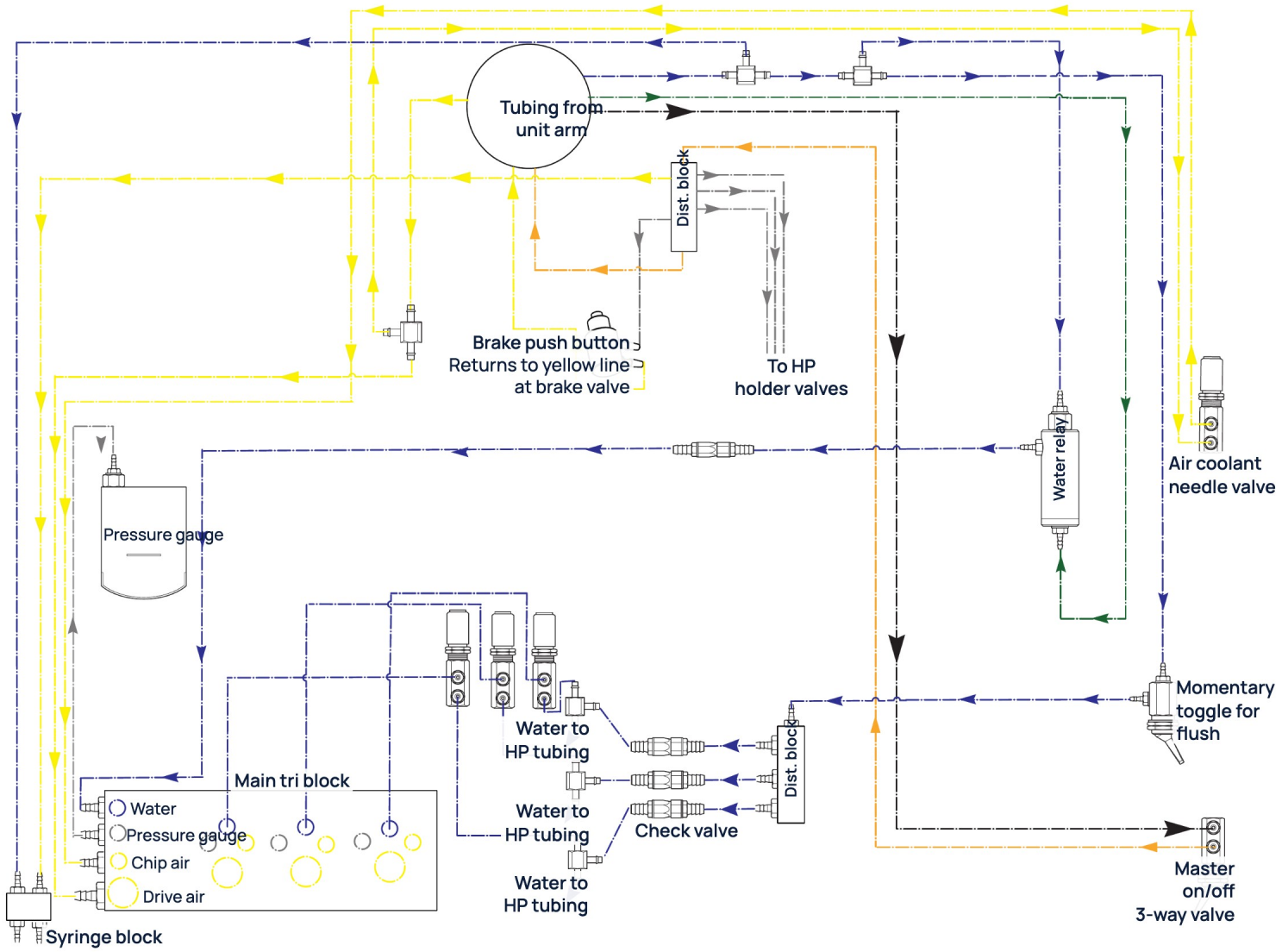
Fig. 68 Check the O-ring

Change the trap

1. Grasp the cap with one hand and turn it a quarter turn.
2. Lift the cap off gently.
3. Lift the old trap out of the canister.
4. Place a new trap in the canister. Replacement: **53016-L-100**, disposable 2⅛" (pack of 100).
5. Check that the O-ring on the cap is intact and seated.
6. Refit the cap.

Unit head plumbing schematic (OEM)

TPC



LINE KEY

- **Water**
- **Air** · chip and drive air
- **Supply air** to master on/off valve
- **Return air** from master on/off switch
- **Signal air** for the wet/dry toggle
- **Pilot air** to HP holder valves and pressure gauge

NOTES

Arrows show direction of flow.

Tri block circles match line colors: blue water, gray pressure gauge, yellow chip and drive air.

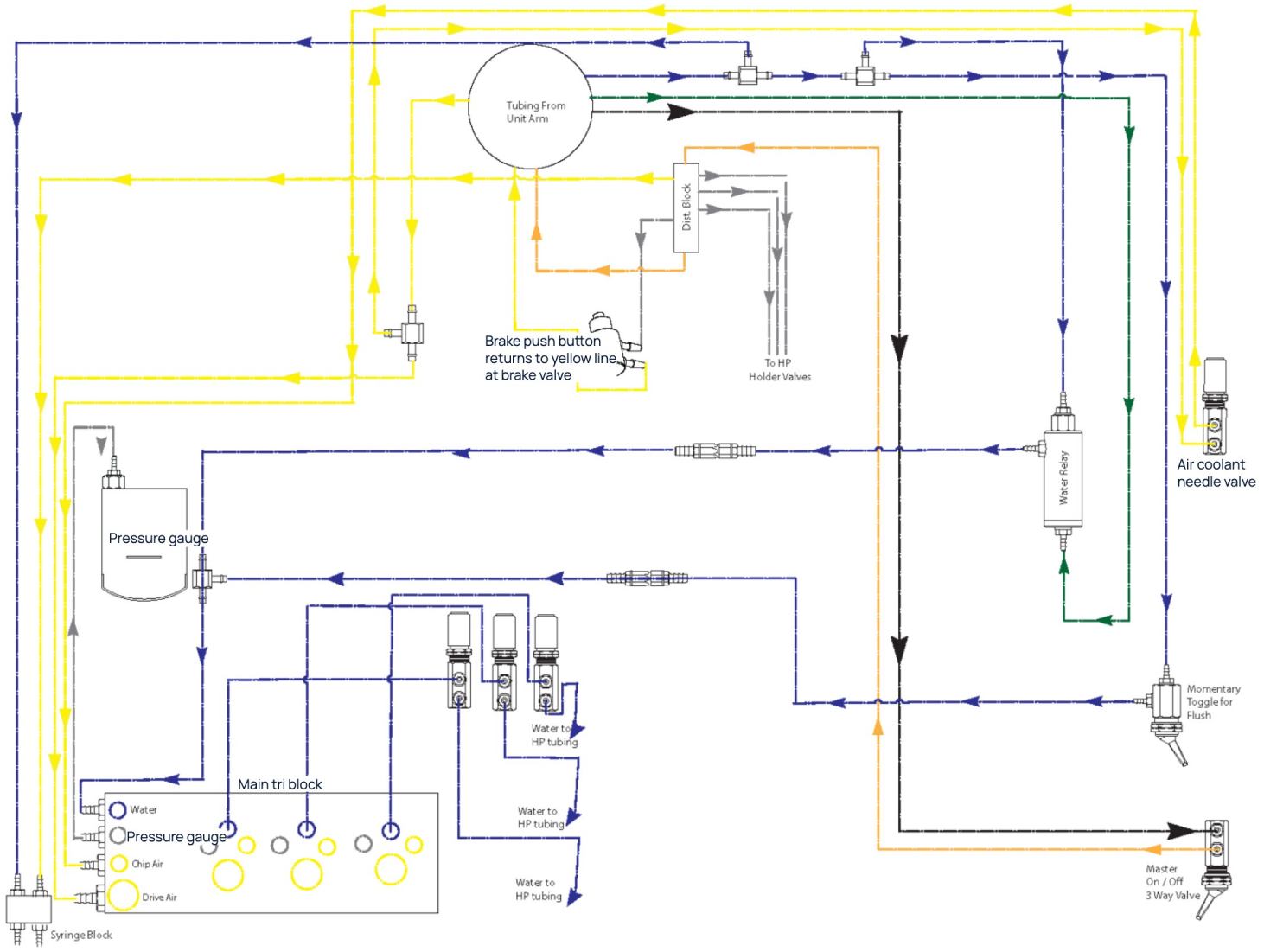
Drawing not to scale.

Sheet 2 (page 29) shows the flush bypass version. Sheet 3 (page 30) shows side box and junction box plumbing.

DRAWING	MODELS	REVISED	SHEET · PAGE	TPC DENTAL
Mirage 2.0 unit head plumbing	2015 / 2000 (2.0)	October 2025	1 of 3 · p. 28	(800) 560-8222 · tpcdental.com

Unit head plumbing schematic (flush bypass)

TPC



LINE KEY

- **Water**
- **Air** · chip and drive air
- **Supply air** to master on/off valve
- **Return air** from master on/off switch
- **Signal air** for the wet/dry toggle
- **Pilot air** to HP holder valves and pressure gauge

NOTES

Arrows show direction of flow.

Tri block circles match line colors: blue water, gray pressure gauge, yellow chip and drive air.

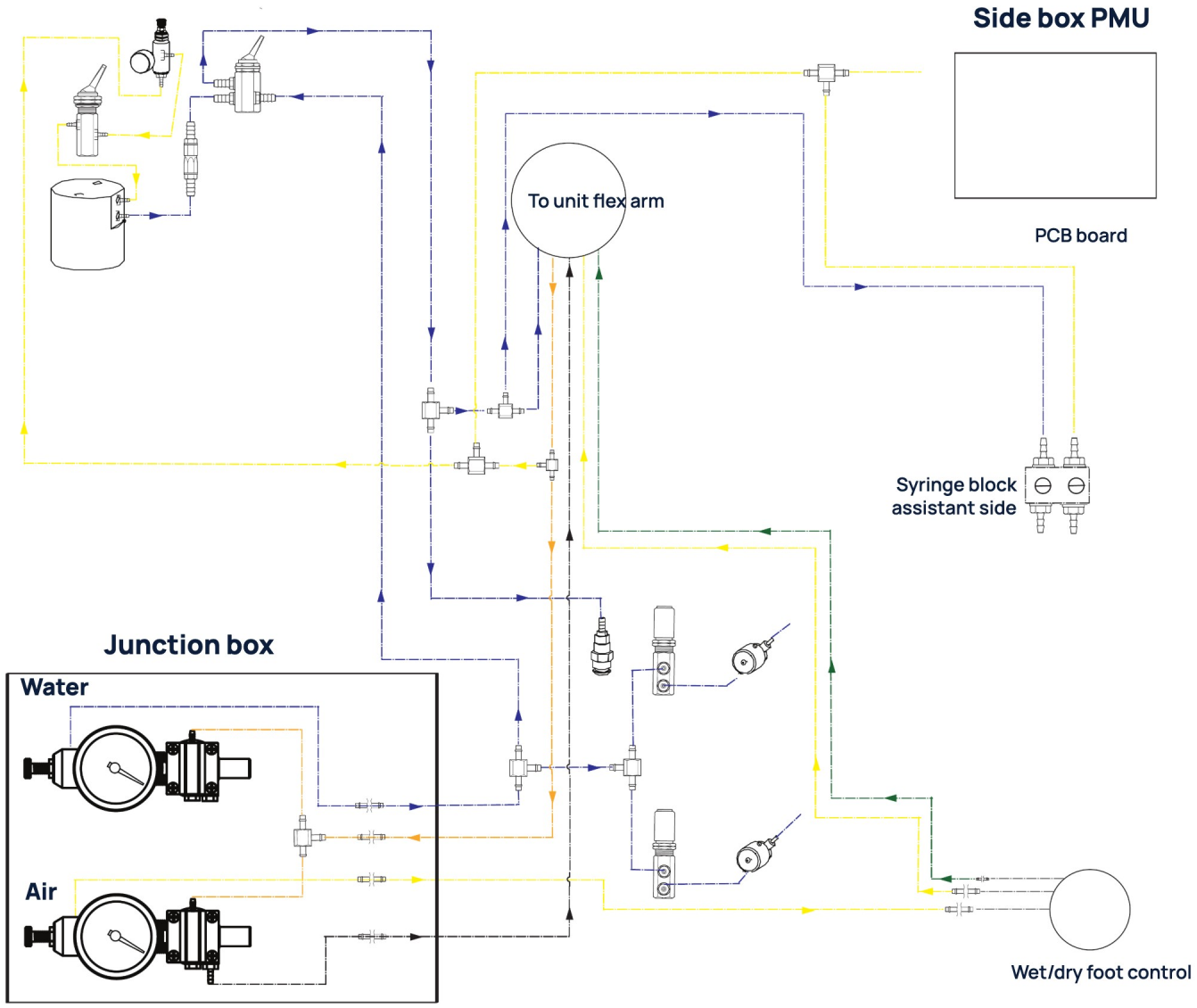
Drawing not to scale.

Sheet 1 (page 28) shows the standard OEM routing. Sheet 3 (page 30) shows side box and junction box plumbing.

DRAWING	MODELS	REVISED	SHEET · PAGE	TPC DENTAL
Unit head plumbing, flush bypass	2015 / 2000 (2.0)	October 2025	2 of 3 · p. 29	(800) 560-8222 · tpcdental.com

Side box and junction box plumbing schematic

TPC



LINE KEY

- **Water** from junction box water regulator
- **Air** from junction box air regulator
- **Supply air** to master on/off valve
- **Return air** from master on/off switch
- **Signal air** for the wet/dry toggle

NOTES

Arrows show direction of flow.

The junction box holds the water and air regulators with gauges. All supply lines run from here to the side box, flex arm and foot control.

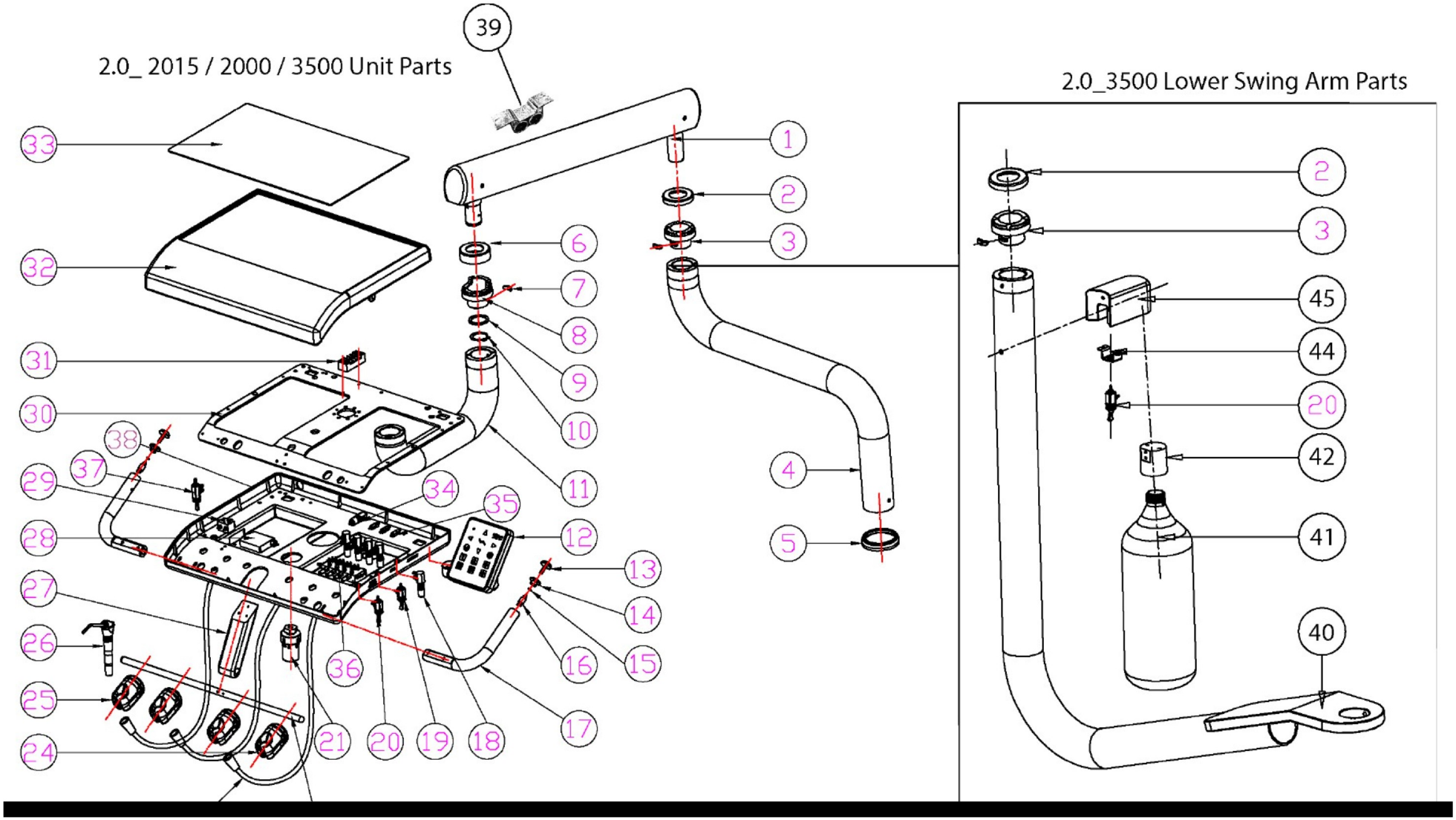
Drawing not to scale.

Sheets 1 and 2 (pages 28–29) show unit head plumbing.

DRAWING	MODELS	REVISED	SHEET · PAGE	TPC DENTAL
Mirage 2.0 side box plumbing	2015 / 2000 (2.0)	October 2025	3 of 3 · p. 30	(800) 560-8222 · tpcdental.com

Unit head and flex arm

TPC



Callout numbers match the parts table on page 32.

DRAWING	MODELS	REVISED	PAGE	TPC DENTAL
Unit head and flex arm, exploded view	2015 / 2000 (2.0)	October 2025	31	(800) 560-8222 · tpcdental.com

Unit head and flex arm: parts

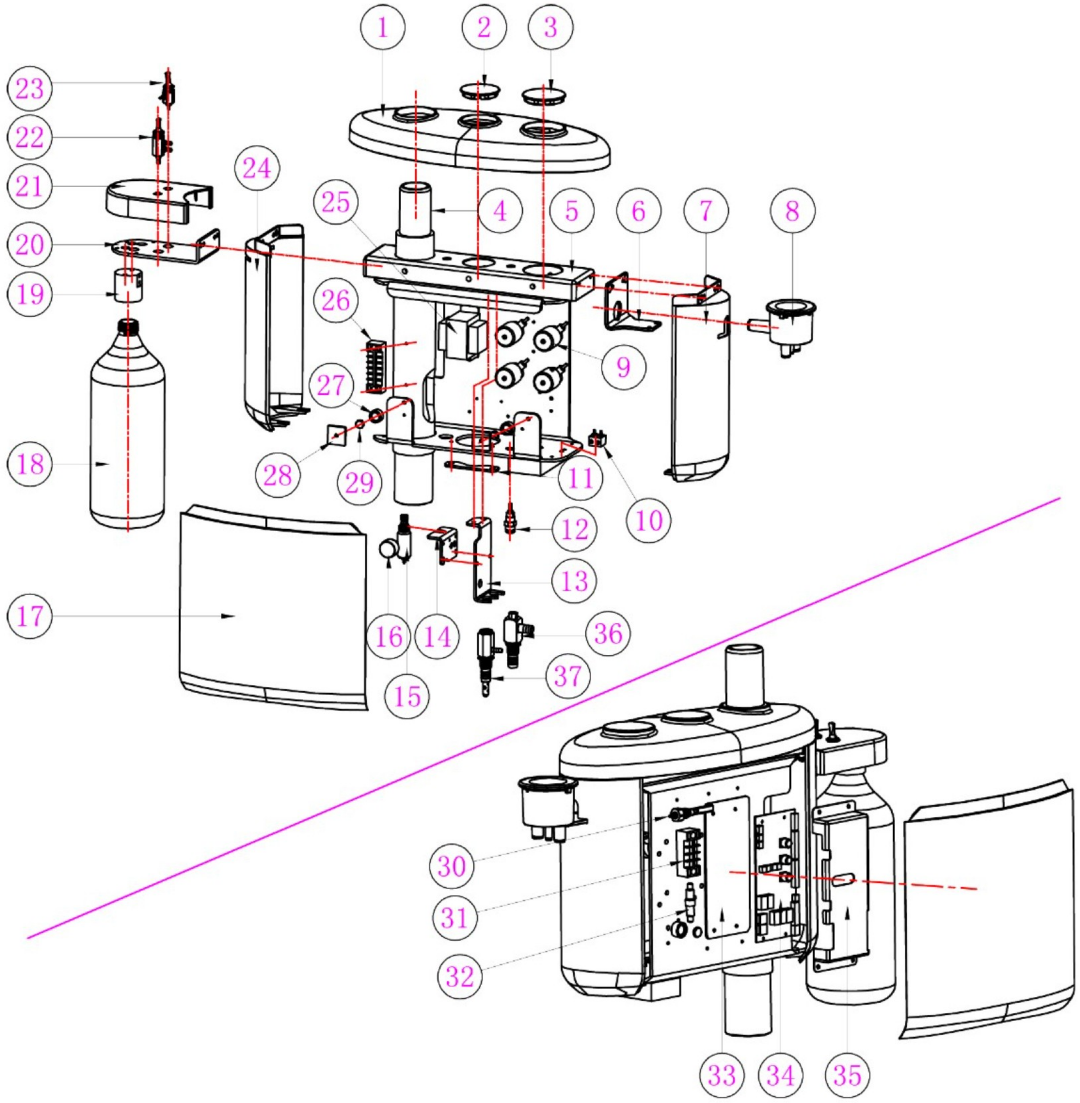
TPC

NO.	DESCRIPTION	PART NO.
1	Unit flex arm, complete	8011
2	Trim ring	8012
3	Bearing assembly	8013
4	Rigid arm	8014
5	Trim ring	8015
6	Trim ring	8016
7	Set screw	8017
8	Bearing assembly	8018
9	Washer	8019
10	Retaining clip	80110
11	Unit head support arm	80111
12	Touchpad (TP-2005)	80112
13	Brake button	80113
14	Button housing	80114
15	O-ring	80115
16	Valve body	80116
17	Brake arm	80117
18	Flow control needle valve	80118
19	Momentary flush valve	80119
20	Master on/off 3-way switch	80120
21	Exhaust canister	80121
22	Handpiece holder bar	80122
23	Handpiece tubing	80123
24	Handpiece holder	80124
25	Syringe holder	80125
26	3-way syringe (TPC3WAY-PRT)	80126
27	HP holder bar support bar	80127
28	Pressure gauge	80128
29	Syringe block	80129
30	Unit head lower support frame	80130
31	Low-voltage terminal block	80131
32	Unit head cover	80132
33	Skid pad	80133
34	Water relay	80134
35	Check valves	80135
36	Main tri block	80136
37	Routing valve (swing mount only)	80137
38	Unit head bottom cover	80138
39	Flex arm brake assembly	80139
40	Lower swing arm	80140
41	Water bottle, 1.5 L	80141
42	Bottle cap (swing mount)	80142
43		
44	On/off 3-way switch bracket	80144
45	Water bottle bracket	80145

Order parts from TPC Dental: (800) 560-8222 or service@tpcdental.com. Quote the part number and the unit model.

Post mount utility center

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Callout numbers match the parts table on page 34.

DRAWING	MODELS	REVISED	PAGE	TPC DENTAL
Post mount utility center, exploded view	2015 / 2000 (2.0)	October 2025	33	(800) 560-8222 · tpcdental.com

Post mount utility center: parts

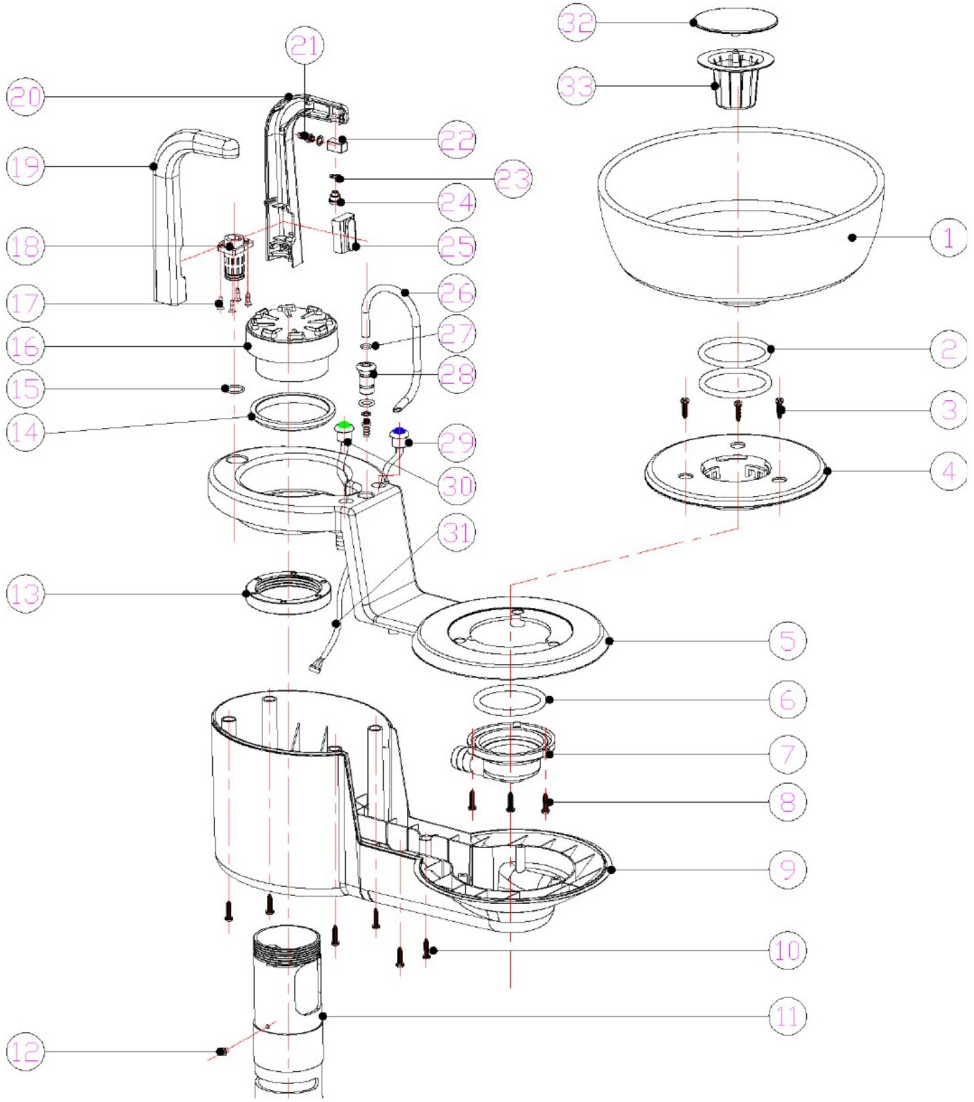
TPC

NO.	DESCRIPTION	PART NO.
1	PMU top cover	8021
2	PMU light post cap	8022
3	PMU cuspidor cap	8023
4	PMU support post	8024
5	Top frame hub	8025
6	Suction canister bracket	8026
7	PMU back cover	8027
8	Solids collector	8028
9	Water solenoid (cuspidor)	8029
10	Syringe block	80210
11	Umbilical retainer bracket	80211
12	Water quick disconnect	80212
13	Regulator main bracket	80213
14	Regulator sub-bracket	80214
15	Mini regulator	80215
16	Pressure gauge	80216
17	PMU side cover	80217
18	Water bottle, 1,500 mL	80218
19	Bottle cap assembly	80219
20	Water bottle cap bracket	80220
21	Water bottle shroud cover	80221
22	Routing valve	80222
23	On/off 3-way valve	80223
24	PMU front cover	80224
25	24 V transformer	80225
26	Terminal block	80226
27	Magnet housing	80227
28	Metal plate for side cover	80228
29	Magnet	80229
30	Pressure switch	80230
31	Terminal block	80231
32	Fuse holder	80232
33	Mounting plate	80233
34	Control PCB	80234
35	Control PCB cover	80235
36	Air venturi (HVE)	80236
37	Air venturi (SE)	80237

Order parts from TPC Dental: (800) 560-8222 or service@tpcdental.com. Quote the part number and the unit model.

Cuspidor assembly

TPC



Callout numbers match the parts table on page 36.

DRAWING	MODELS	REVISED	PAGE	TPC DENTAL
Cuspidor assembly, exploded view	2000-2.0 / 2000-C-2.0	October 2025	35	(800) 560-8222 · tpcdental.com

Cuspidor assembly: parts

TPC

NO.	DESCRIPTION	PART NO.
1	Cuspidor bowl	8031
2	O-ring gasket	8032
3	Screw	8033
4	Bowl seat	8034
5	Cuspidor frame top cover	8035
6	O-ring	8036
7	Socket bowl	8037
8	Screws	8038
9	Cuspidor frame lower cover	8039
10	Screw	80310
11	Cuspidor support post	80311

NO.	DESCRIPTION	PART NO.
12	Set screw	80312
13	Spanner nut	80313
14	Trim ring	80314
15	O-ring	80315
16	Cup fill sensor base	80316
17	Screw	80317
18	Cup fill socket for spout	80318
19	Cup fill spout cover, L	80319
20	Cup fill spout cover, R	80320
21	6 × 4 barb for water line	80321
22	90° block	80322

NO.	DESCRIPTION	PART NO.
23	Nylon washer	80323
24	Dome spout	80324
25	Sensor PCB	80325
26	Bowl rinse spout	80326
27	O-ring	80327
28	Bowl rinse spout socket	80328
29	Cup fill button	80329
30	Bowl rinse button	80330
31	Wire harness	80331
32	Strainer top	80332
33	Strainer	80333

Order parts from TPC Dental: (800) 560-8222 or service@tpcdental.com. Quote the part number and the unit model.