

Powered Instruments



MICROAIRE®
For Surgery. For Life.™

Orthopedic Powered Instruments and Accessories

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HARDWORKING

MicroAire® is a leading global brand of powered surgical instruments with a reputation for doing things right. That means quality craftsmanship, a caring customer service team, and a nationwide network of experienced and knowledgeable sales agents.

MicroAire® instruments are engineered and built in America, under rigorous quality standards, by skilled technicians who focus on the details of each individual instrument they make. This continues our 40-year tradition and commitment to produce the best powered instruments – not the most – and to view each customer as a partner.

The MicroAire® experience is better, and you'll feel that from your first encounter. We're in it for the long haul, with trusted hardworking products and dependable hardworking people.

SERIES-5000 Small-Bone System



5000ET / 5000E Electric Motor Handpiece

ELECTRIC ⚡

- For extremities, hand & wrist, foot & ankle, oral-max
- Wide selection of quick-connect couplers for drilling, burring, rasping, reaming, and sawing
- Powered by the 5025 Electric Instrument Console
- Optional 5401 Foot Pedal

5000ET Variable-Speed Throttle Lever



5000E Without Finger Throttle



5000SC INSTRUMENT CASE WITH TRAY

- High-quality, medical-grade polymer
- Withstands sterilization methods up to 193°C / 380°F
- 25cm x 52cm x 10cm



ACCESSORIES

5025	Electric Instrument Control Console	pg. 19
5006-5000	Electric Instrument Cable for 5025 Console	pg. 19
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5000-100 / 5000-200

Pneumatic Motor Handpiece

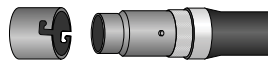
WITH THROTTLE

PNEUMATIC 

- For extremities, hand & wrist, foot & ankle, oral-max
- Wide selection of quick-connect couplers for drilling, burring, rasping, reaming, and sawing
- Variable-speed throttle
- Powered by compressed air or nitrogen
- Various air-hose connectors available to match your existing air-power source



-100 with MicroAire®-style air-hose connector



-200 with Hall®-style air-hose connector



ACCESSORIES

Various air hoses and pneumatic accessories pg. 20

Drill and Bur Couplers

5130 HIGH-SPEED DRILL



Operating Speed: 83,000 RPM

- Maintains consistent high speed without bogging down under load
- For drilling teeth
- Comes with an extra medium bur guard, cleaning brush, and replacement O-rings
- Long bur guard also available
- Use with MicroAire® ZB-series burs (excluding extra-long burs)

ACCESSORIES

5130-BG-M	Bur Guard, Medium
5130-BG-L	Bur Guard, Long
5130-BR	Cleaning Brush
5130-SP	Spare Parts Kit (O-rings)

5930 30K MICRO-DRILL



Operating Speed: 30,000 RPM

- The workhorse of small-bone surgery
- For drilling and sculpting of small bones
- Built-in medium-length bur guard
- Long and extra-long bur guards available
- Use with any of MicroAire's® extensive selection of ZB-series burs

ACCESSORIES

1100-005	Bur Guard, Long
1100-006	Bur Guard, Extra-Long

5980 JACOBS® STYLE DRILL



Operating Speed: 1,670 RPM

- For bone drilling and plating
- Use with MicroAire® 8051 and 8054-series twist drills
- Use with twist drills of diameter between 1.0mm and 4.0mm, up to 127mm in length

ACCESSORIES

1645-004	Jacobs Key (included)
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5990 SYNTHES® STYLE DRILL



Operating Speed: 1,670 RPM

- For bone drilling and plating
- Use with MicroAire® 8053-series quick-connect twist drills
- Use twist drills of diameter between 1.0mm and 3.5mm, up to 127mm in length

Saw Modules

5922 MICRO SAGITTAL SAW



Operating Speed: 30,000 CPM

- For cutting transverse or wedge osteotomies
- Slender coupler and small blades provide excellent control, power, and maneuverability
- Accepts a variety of ultra-thin (.3mm) straight, angled, bent, or offset blades

5945 MICRO RECIPROCATING SAW



Operating Speed: 16,000 CPM

- Accepts reciprocating blades for small-bone osteotomies and oral-max
- Also accepts rasps to file, shape, and smooth bones
- Shaping and contouring of small bones

5950 KEYLESS HALL® STYLE SAGITTAL SAW



Operating Speed: 18,000 CPM

- For transverse or wedge osteotomies
- Powerful saw designed to operate longer and larger sagittal blades
- Simple push-button release eliminates a hex wrench to lock blades
- Blades positioned at any location along a 160° arc
- Good visibility and optimal approach

5955 HALL® STYLE SAGITTAL SAW MODULE



Operating Speed: 18,000 CPM

- For transverse or wedge osteotomies
- Powerful saw designed to operate longer and larger sagittal blades
- Use a Hex Wrench to lock the blade
- Blades positioned at any location along a 160° arc
- Good visibility and optimal approach

ACCESSORIES

2250-001 Hex Wrench (included)

5972 OSCILLATING SAW MODULE



Operating Speed: 30,000 CPM

- For small-bone osteotomies, bunionectomies, wedge osteotomies
- Accepts MicroAire® ZO-series small oscillating blades

ACCESSORIES

1745-001 Locking Tool



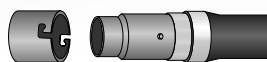
2500-100 / 2500-200

Powered Osteotome

PNEUMATIC 

- Save 15 to 20 minutes per case, compared to using a mallet
- For hand & wrist, foot & ankle, shave precise layers, dorsal hump reductions, fusions, decortication
- Bone-graft harvesting
- Remove bone cement for revisions
- Linear impulse motor, essentially stationary blade, preventing jumping and heating at the tip

-100 with MicroAire®-style air-hose connector



-200 with Hall®-style air-hose connector



OSTEOTOMES AND GOUGES

2500-203 Osteotome 10mm x 50mm



2500-205 Osteotome 06mm x 80mm



2500-206 Osteotome 10mm x 80mm



2500-209 Osteotome 15mm x 70mm



2500-216 Osteotome 10mm x 80mm



2500-316 Osteotome 06mm x 80mm



2500-230 Gouge, Curved 10mm x 80mm



ACCESSORIES

Various air hoses and pneumatic accessories

pg. 20



1625-100 / 1625-200
Pencil-Grip Wire Driver
 UNITIZED

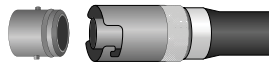
PNEUMATIC 

- Cannulated to 1.6mm
- Accepts K-wires with 1600-series wire guides
- Also accepts special Twist Drills (wire guide 1600-012NS required, not included)
- Various air-hose connectors available to match your existing air-power source

-100 with MicroAire®-style
 air-hose connector



-200 with Hall®-style
 air-hose connector



ACCESSORIES

6640-002 Wire Guard

Various air hoses and pneumatic accessories pg. 20

SERIES-6000

Trauma System



6643

Battery SmartDriver™

CORDLESS/BATTERY 

- Up to 0.98 N-m (140 oz-in) torque at 1,600 RPM
- Up to 3.5 N-m (496 oz-in) torque at 500 RPM
- For ACL, drilling, fixation, Ilizarov, I.M. nailing, trauma
- Wide selection of quick-connect couplers for drilling, burring, rasping, reaming, and sawing
- Powered by money-saving, strong, and long-lasting NiMH battery
- Variable-speed, dual trigger
- Forward, reverse
- Double-trigger oscillate feature prevents spooling of soft tissue
- Autoclavable or aseptic transfer batteries available
- Validated for automated washer/disinfectors
- Not for total knee or hip replacement

6643-045 WIRE-DRIVER COLLET

Fits only 6643 Battery SmartDriver™

Operating Speed: 1,600 RPM

Wires 0.7mm – 1.6mm



6643-050 PIN-DRIVER COLLET

Fits only 6643 Battery SmartDriver™

Operating Speed: 1,600 RPM

Pins 1.7mm – 3.2mm



ACCESSORIES

6640-002 Wire Guard

Various batteries and charging accessories pg. 17



5641
Electric SmartDriver™

ELECTRIC ⚡

- Up to 0.98 N-m (140 oz-in) torque at 1,600 RPM
- Up to 3.5 N-m (496 oz-in) torque at 500 RPM
- For ACL, drilling, fixation, Ilizarov, I.M. nailing, trauma
- Wide selection of quick-connect couplers for drilling, burring, rasping, reaming, and sawing
- Powered by the 5025 Console with onboard max speed setting
- Variable speed forward and reverse triggers
- Double-trigger oscillate feature prevents spooling of soft tissue

5641-045 WIRE-DRIVER COLLET

Fits only 5641 Electric SmartDriver™
 Operating Speed: 1,600 RPM
 Wires 0.7mm – 1.6mm



5641-050 PIN-DRIVER COLLET

Fits only 5641 Electric SmartDriver™
 Operating Speed: 1,600 RPM
 Pins 1.7mm – 3.2mm



5641SC INSTRUMENT CASE WITH TRAY

- High-quality, medical-grade polymer
- Base holds the SmartDriver™ handpiece and air hose or electric cable
- Insert tray holds couplers and wire/pin couplers
- Slots for measuring the diameter of K-wires and Steinmann Pins
- Withstands sterilization methods up to 193°C / 380°F
- 25cm x 37.5cm x 10cm



ACCESSORIES

6640-002	Wire Guard	
5025	Electric Instrument Control Console	pg. 19
5006-5000	Electric Instrument Cable for 5025 Console	pg. 19



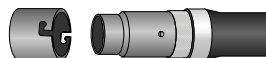
6640-100 / 6640-200

Pneumatic SmartDriver™

PNEUMATIC 

- Up to 0.98 N-m (140 oz-in) torque at 1,600 RPM
- Up to 3.5 N-m (496 oz-in) torque at 500 RPM
- For ACL, drilling, fixation, Ilizarov, I.M. nailing, trauma
- Wide selection of quick-connect couplers for drilling, burring, rasping, reaming, and sawing
- Powered by compressed air or nitrogen
- Variable-speed trigger
- Forward/reverse selector

-100 with MicroAire®-style air-hose connector



-200 with Hall®-style air-hose connector



6645 WIRE-DRIVER COLLET

Fits only 6640 Pneumatic SmartDriver™

Operating Speed: 1,600 RPM

Wires 0.7mm – 1.6mm



6650 PIN-DRIVER COLLET

Fits only 6640 Pneumatic SmartDriver™

Operating Speed: 1,600 RPM

Pins 1.7mm – 3.2mm



ACCESSORIES

5641SC SmartDriver™ Instrument Case pg. 10

Various air hoses and pneumatic accessories pg. 20

Drilling Couplers

The SmartDriver™ system offers exceptional speed and torque for drilling, screwing, and plating.

6660 TRINKLE COUPLER

Operating Speed: 1,600 RPM

Torque: 0.98 N-m (140 oz-in)



6688 KEYLESS JACOBS® COUPLER ¼"

Operating Speed: 1,600 RPM

Torque: 0.98 N-m (140 oz-in)



6680 JACOBS® COUPLER 5/32"

Operating Speed: 1,600 RPM

Torque: 0.98 N-m (140 oz-in)



6690 SYNTHES® QUICK CONNECT COUPLER

Operating Speed: 1,600 RPM

Torque: 0.98 N-m (140 oz-in)



6686 JACOBS® COUPLER ¼"

Operating Speed: 1,600 RPM

Torque: 0.98 N-m (140 oz-in)



Reaming Couplers

A powerful choice for tunneling during ACL surgery, plating, and intermedullary reaming for humeral and femoral nails.

6665 HUDSON® HIGH-TORQUE REAMER COUPLER

Operating Speed: 500 RPM

Torque: 3.5 N-m (496 oz-in)



6685 JACOBS® HIGH-TORQUE REAMER COUPLER ¼"

Operating Speed: 500 RPM

Torque: 3.5 N-m (496 oz-in)



6687 ZIMMER® (HUDSON® MODIFIED TRINKLE) REAMER

Operating Speed: 500 RPM

Torque: 3.5 N-m (496 oz-in)



6689 SYNTHES® REAMER COUPLER

Operating Speed: 500 RPM

Torque: 3.5 N-m (496 oz-in)



Sawing Couplers

Heavy-duty sagittal saw couplers in a variety of styles (quick-connect keyless connections or with hex wrench) for precise osteotomy, arthrotomy, and ACL. Reciprocating saw coupler accepts blades or rasps, for amputation, ENT, and oral-max.

6670 SAGITTAL SAW COUPLER WITH HEX WRENCH

Operating Speed: 18,000 CPM

- For hand and arm, foot and ankle osteotomy and arthrotomy
- Accepts MicroAire® ZS-0XX and ZS-3XX Sagittal Blades
- 2250-001 Hex Wrench (included)



6672 KEYLESS SAGITTAL SAW COUPLER

Operating Speed: 18,000 CPM

- For ACL, osteotomy, and arthrotomy
- Accepts MicroAire® ZS-3XX Sagittal Blades



6673 HEAVY-DUTY SAGITTAL SAW COUPLER

Operating Speed: 18,000 CPM

- For ACL, trauma, and large-bone osteotomy and arthrotomy (not for large-bone total joints)
- Accepts MicroAire® ZO-7XXX (not longer than 71mm), ZS-0XX and ZS-3XX Sagittal Blades
- 2250-001 Hex Wrench (included)



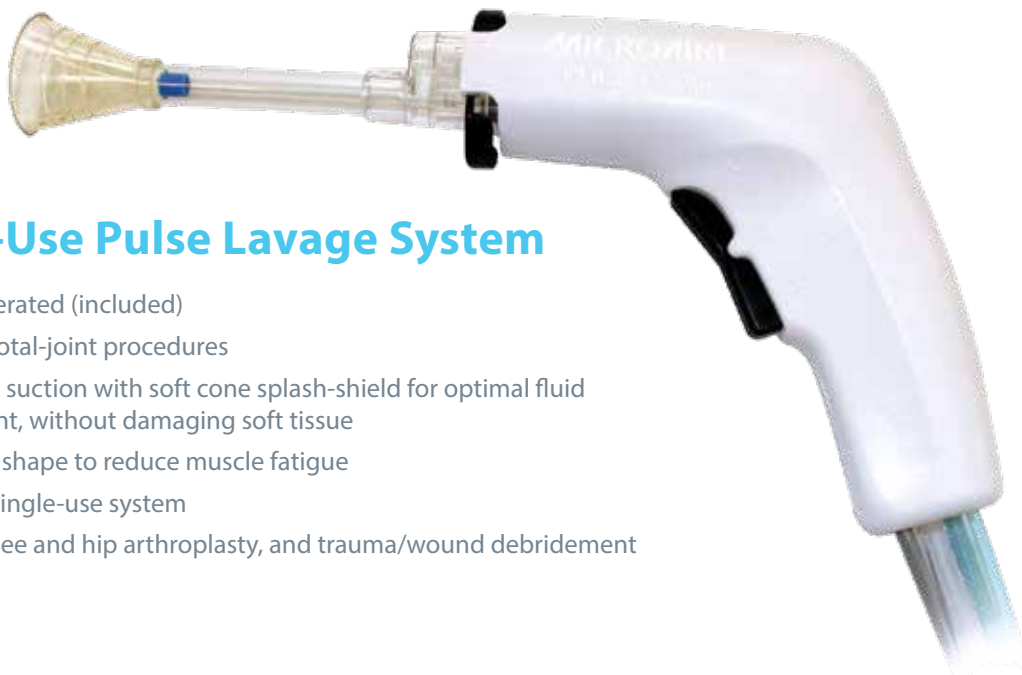
6400 RECIPROCATING SAW COUPLER

Operating speed 16,000 CPM

- Use blades or rasps
- For amputation
- Accepts MicroAire® 1400 Series and ZR Series Reciprocating Blades and Rasps



Pulse Lavage



Single-Use Pulse Lavage System

- Battery-operated (included)
- For use in total-joint procedures
- Concurrent suction with soft cone splash-shield for optimal fluid containment, without damaging soft tissue
- Ergonomic shape to reduce muscle fatigue
- Complete single-use system
- For total knee and hip arthroplasty, and trauma/wound debridement

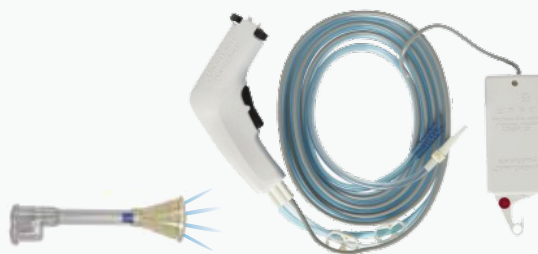
201-02-00 HANDPIECE KIT

- Handpiece and battery
- Tubing



201-03-00 KNEE KIT

- Handpiece and battery
- Shower spray tip with splash shield



201-04-00 HIP KIT

- Handpiece and battery
- Shower spray tip with splash shield
- Femoral spray tip



201-05-00 FAN SPRAY KIT

- Handpiece and battery
- Fan spray tip with splash shield





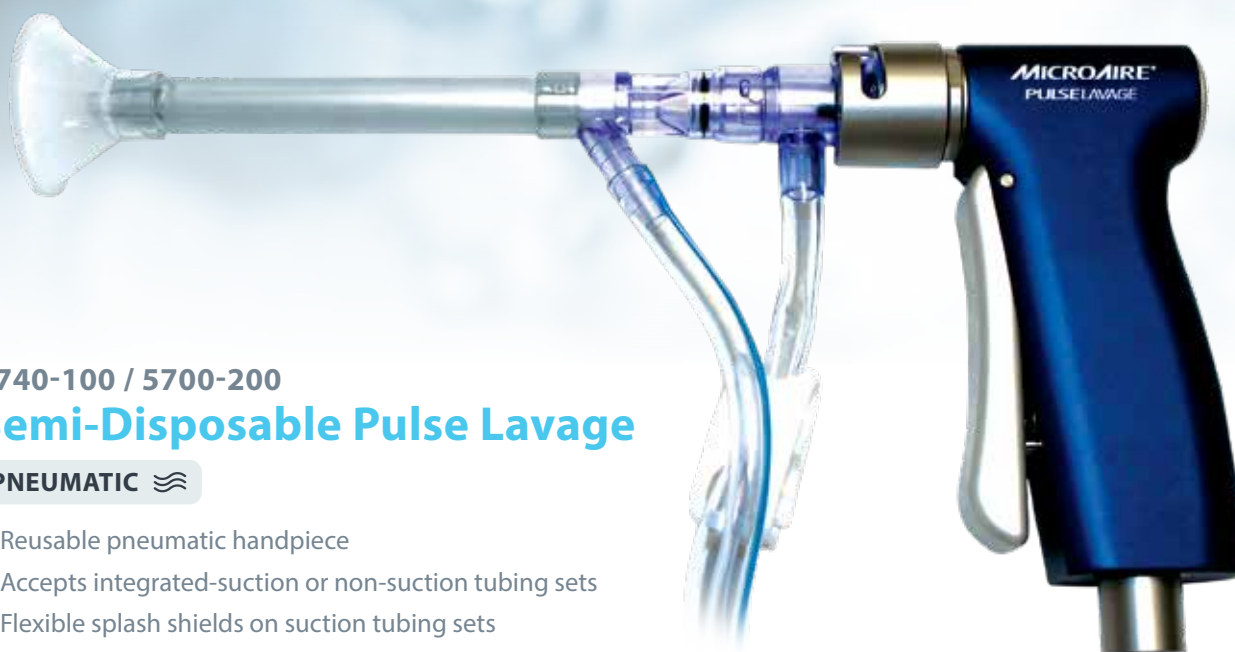
SINGLE-USE PULSE LAVAGE COMPATIBLE TIPS

201-00-46 Femoral Spray Tip



201-00-52 Femoral Brush Tip





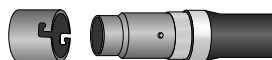
5740-100 / 5700-200

Semi-Disposable Pulse Lavage

PNEUMATIC 

- Reusable pneumatic handpiece
- Accepts integrated-suction or non-suction tubing sets
- Flexible splash shields on suction tubing sets
- Rigid splash shields available for non-suction tubing sets
- For total knee and hip arthroplasty, and trauma/wound debridement

-100 with MicroAire®-style
air-hose connector



-200 with Hall®-style
air-hose connector



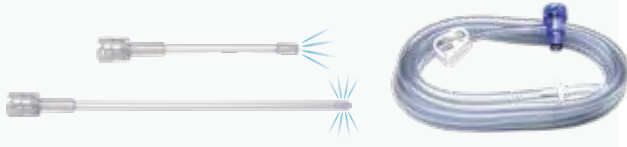
5740-060 GENERAL TUBING PACKAGE

- 5740-020 Standard Tubing
- 5740-005 Showerhead Nozzle



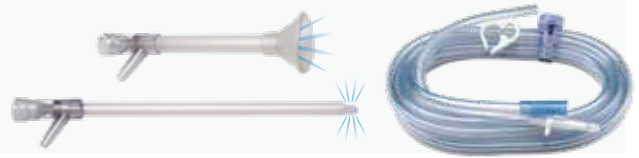
5740-061 HIP TUBING SET

- 5740-020 Standard Tubing
- 5740-005 Showerhead Nozzle
- 5740-006 Femoral Spray Nozzle



5740-061S HIP TUBING SET WITH SUCTION

- 5740-020S Standard Tubing with Suction
- 5740-005S Showerhead Nozzle with Suction
- 5740-006S Femoral Spray Nozzle with Suction



5740-062 KNEE TUBING SET

- 5740-020 Standard Tubing
- 5740-008 Angled Showerhead Nozzle



ACCESSORIES

4740-013 Small Splash Shield (4 cm)



4700-015 Large Splash Shield (15 cm)



4700-016 Medium Splash Shield (10 cm)



Various air hoses and pneumatic accessories pg. 20

Energy Supplies

Battery Power CORDLESS/BATTERY

MicroAire® NiMH batteries are the strongest and longest-lasting batteries in the industry. We'll keep you running through the toughest cases.

Compared to lithium-ion batteries, MicroAire® NiMH batteries might be slightly heavier, but they are the strongest and longest-lasting batteries in the industry — with cost savings from every procedure.

BENEFITS

- Longer run time
- Longer shelf life
- No limit on reuse (no counter inside)
- No need to drain before charging
- No recharge-memory limits
- 30% more torque
- Full one-year warranty (compare to other brands with 90-day warranty)

ENVIRONMENTALLY FRIENDLY

- No special disposal requirements
- No heavy metals
- Quick charging

STERILIZATION OPTIONS

- Autoclave
- Sterrad®
- Steris® VPro Max

6640-710 SMARTDRIVER™ BATTERY

- Fits SmartDriver™ instruments and 7800 Sternum Saw
- Smaller and lighter than the 7505-710 Large NiMH Battery
- 14.4 volts provide unparalleled strength and run time
- Full one-year warranty – the best in the industry





7500-700 BATTERY CHARGER

- Charges 14.4-volt Nickel Metal Hydride (NiMH) autoclavable or aseptic-transfer battery
- Charge up to four MicroAire® NiMH batteries at one time
- SmartDriver™ and Large-Bone batteries can be charged at the same time
- NiMH batteries have longer run times and do not require memory-based charging
- Batteries charged in 90 minutes or less



Electric Power ELECTRIC ⚡

5025

Electric Instrument Control Console

- Run two handpieces simultaneously
- Intuitive touchscreen interface
- SmartLoop technology pushes more power when you need it, to maintain consistent speed
- For use with Series-5000 small-bone instruments, and Series-6000 trauma instruments



5401 ELECTRIC FOOT PEDAL

- Compatible with 5025 console only
- Two pedals provide variable-speed control for forward or reverse rotation
- Irrigation control
- 5025-5401 connection cable sold separately



5025-5401 Foot Pedal Connection Cable



INSTRUMENT CABLES

5006-5000	Cable for Series-5000 and Series-6000 Instruments	Connects 5000E, 5000ET, and 5641 SmartDriver™ to 5025 Power Console
5006-1000	Cable for Series-1000 Electric Instruments	Connects 1000E and 1000ET to 5025 Power Console
1006-1000	Cable for Series-1000 Electric Instruments	Connects older-model 1000E and 1000ET to older-model 1025 Power Console
ELEC-220	Power Cord (EU)	Electric cord to wall socket, with EU-style plug



Pneumatic Air Power

PNEUMATIC 

MicroAire® pneumatic air hoses, regulators, and connection manifolds provide a reliable and time-proven source of power in the operating room. Smooth, consistent power, with a variety of adaptors for connections to most standard systems.

9000-Series Air Hoses





- Standard double-air hoses
- Vent at the diffuser end
- Outer hose is black silicone

7000-Series “Whisper” Hoses



- Standard double-air hoses
- Vent at the diffuser end
- Outer hose is gray, double-layer vulcanized rubber supported with nylon mesh
- Reduce instrument noise up to 40%

MICROAIRE®-STYLE AIR HOSES		HALL®-STYLE AIR HOSES	
<ul style="list-style-type: none"> • Schrader-style connector at diffuser • Fits all MicroAire® instruments with product numbers ending with -100 	 <p><i>fits MicroAire®-style air-hose connector</i></p>	<ul style="list-style-type: none"> • Schrader connector at diffuser • Fits all MicroAire® instruments with product numbers ending with -200 	 <p><i>fits Hall®-style air-hose connector</i></p>
9000-000	Standard Hose, 3m (10 ft)	9013-000	Standard Hose, 3m (10 ft)
7000-000	“Whisper” Hose, 3m (10 ft)	9013-020	Standard Hose, 6m (20 ft)
		7013-000	“Whisper” Hose, 3m (10 ft)
		7013-020	“Whisper” Hose, 6m (20 ft)

Air Hose Extensions

SCHRADER to SCHRADER		
9300-010	Extension hose, 3m (10 ft)	Replaces: Linvatec/Hall® 5052-18
9300-020	Extension Hose, 6m (20 ft)	Replaces: Linvatec/Hall® 5052-31



SCHRADER to DISS (Ohio)		
9300-030	Extension Hose, 3m (10ft)	Replaces: Linvatec/Hall® 5052-29



Multiple-Connection Manifolds

- Connect multiple air hoses to a single pressure regulator
- Includes 3m (10-ft) extension hose connecting to Schrader coupler

CONNECTOR OPTIONS

9500-004 Ohio / Schrader Adapter

9500-002 Schrader Input Connector

- Adapts Hall®, 3M®, and MicroAire® hoses to thread fitting, ¼" NPT
- 1000 PSI
- Accepts Schrader connectors (Hall®, 3M®, and MicroAire® hose)
- Plugs into standard Hall® type regulator



Regulators

- Accepts MicroAire®, Hall®, and 3M® air hoses
- Main tank and pressure output gauges
- Accepts Schrader connectors (Hall®, 3M®, or MicroAire® standard hose)

9500-000 Single regulator

9502-000 Dual regulator



All dimensions shown are nominal values subject to standard variances and tolerances.

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