Go Digital!

Digital Precision and Safety

Flowmeters:
- Digital
- Percentage
- Conventional

Latex Free   **Rubber Goods**

Systems:
- Central
- Portable
- Enclosed Portable
- Cabinet-Mounted Central

Mounts:
- Flushmount
- Cabinet Mount
- Wall Arms
- Universal Cabinet Slides
- Mobile Stand

Chairside Delivery Systems

Remote Flow System™ - Not So Remote.

Now you can mount our RFS directly to your dental chair without drilling into the chair's frame. Our new Chairmount Kits are available for many of today's popular chair brands.
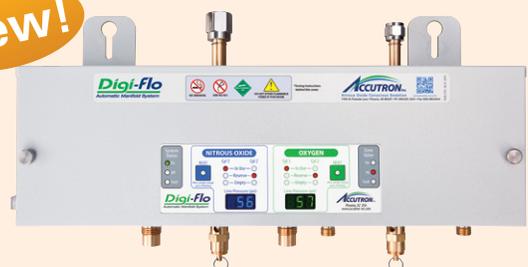
Forest chair shown

DENTISTRY TODAY
TOP 50 TECHNOLOGY PRODUCTS
2013 READERS' CHOICE AWARD

Digi-flo™ Digital Automatic Switching Manifold/Alarm System

New!

Easily accessible components; field upgradable software. System allows for dual alarm panels and up to 4 zone valves.

Clearing Your Work Space.

Technology for the Future.

Central Systems

Digital Percentage

Digital Ultra™ Flushmount

56600 - Pkg. G – Standard Bag Tee
56800 - Pkg. H – RFS-D
56800-CHAIR - Pkg. H CHAIR – RFS for Chairmount Kits
56950 - Pkg. I – Accu-Vac™

If surface mounting the Digital Ultra Flushmount, purchase 32055 - Surface Mount for Digital Ultra Flushmount.

Digital Ultra™

51975 - Flowmeter Only
56200 - Pkg. C – Mobile Stand
56300 - Pkg. D – 9″ Arm
56400 - Pkg. E – 16″ Bi-Fold Arm
56500 - Pkg. F – Telescoping Arm (shown)

Selection.

Analog Percentage

Ultra PC™ % Cabinet Mount

36600 - Pkg. G – Standard Bag Tee
36800 - Pkg. H – RFS-A
36800-CHAIR - Pkg. H CHAIR – RFS for Chairmount Kits

NEW

Top Mount

Left Side Mount   Right Side Mount

Universal Cabinet Slide, PC/DC
3 Cabinet Mounting Positions

Analog Dual Control

Ultra DC™

31980 - Flowmeter Only
46200 - Pkg. C – Mobile Stand
46300 - Pkg. D – 9″ Arm
46400 - Pkg. E – 16″ Bi-Fold Arm
46500 - Pkg. F – Telescoping Arm
46500-US - Pkg. U – Universal Cabinet Slide, PC/DC*

Note: Universal Cabinet Slide, PC/DC can be installed within a cabinet to the left, right or under-mounted.

Ultra PC™ %

31975 - Flowmeter Only
36200 - Pkg. C – Mobile Stand
36300 - Pkg. D – 9″ Arm
36400 - Pkg. E – 16″ Bi-Fold Arm
36500 - Pkg. F – Telescoping Arm
36500-US - Pkg. U – Universal Cabinet Slide, PC/DC (shown)*

The central system is particularly attractive to offices where nitrous oxide is used on a regular basis and available space will accommodate a central storage area. Savings obtained over time from the use of larger G and H cylinders offset the initial investment in a central gas storage system.

Variety.

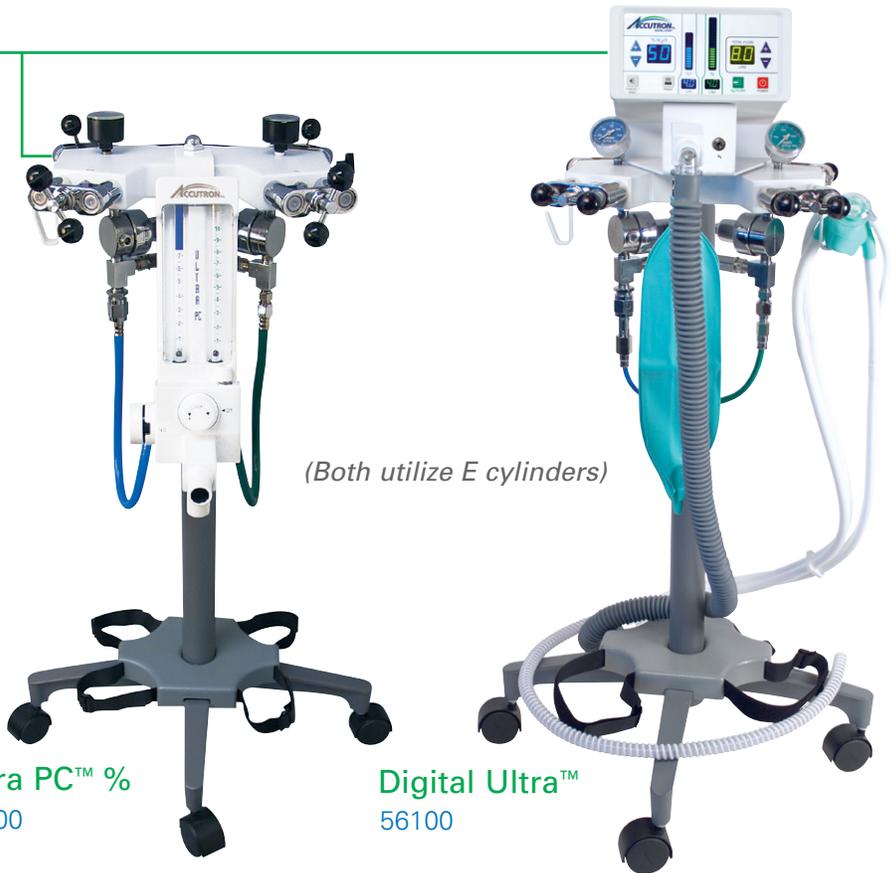# Portable Systems

Traditional Portables

4-Cylinder Portables

36100 – Ultra PC™ %
46100 – Ultra DC™
56100 – Digital Ultra™

2-Cylinder Portables
(not represented in pictures)

36000 – Ultra PC™ %
46000 – Ultra DC™

Mobility is the major advantage of the portable unit. It is usually the system of choice in offices where space limitations will not accommodate a central storage room or when economic constraints are an influencing factor. Also, the portable system (utilizing E cylinders) is most likely the answer when frequency of N_2O-O_2 use is low.

(Both utilize E cylinders)

Ultra PC™ %
36100

Digital Ultra™
56100

Newport Enclosed Portables

Digital Newport
Flowmeter System™

51000

4-Cylinder
Enclosed Portables

(Both utilize E cylinders)

An enclosed portable keeps the cylinders out of sight and makes operatory turn-around (disinfection) faster and easier. The flat surface of the enclosed portable can be used as additional counter space.
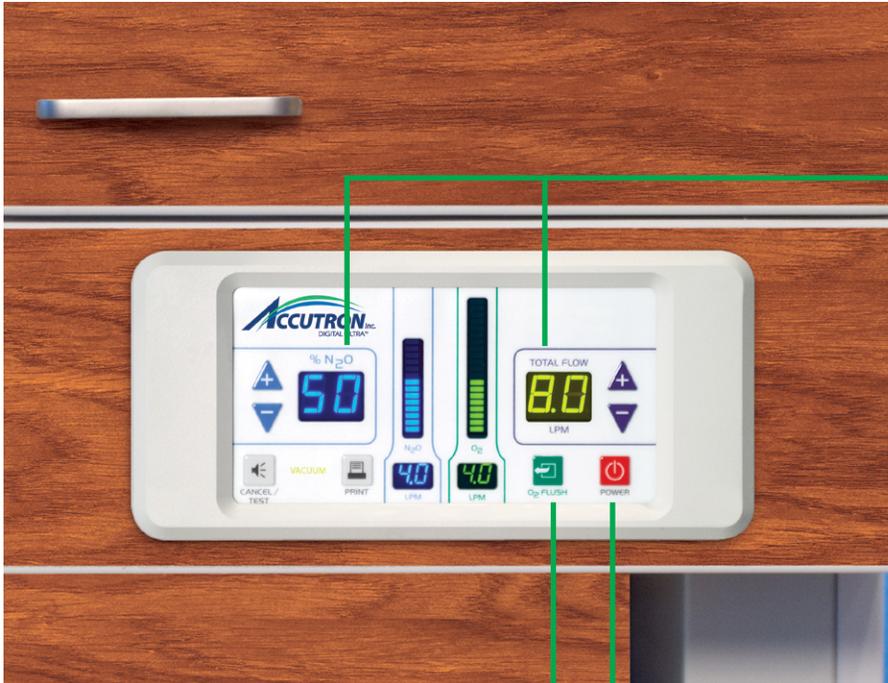
Newport
Flowmeter System™

50000

...you decide.

Flowmeters for RFS™ Chairmount Kits

Digital Ultra™ Flushmount Pkg. H

Automatic Compensation
• Adjust total flow while gas ratio remains constant.
• Adjust gas ratio and total flow remains constant.

Self Monitoring
Maintains gas flow & ratio parameters; provides alarm notification if deviations occur.

Dual Readouts for Each Gas
The only flowmeter with both digital and electronic flowtube displays.

Audible & Visual Alarms
Immediate notification of low oxygen supply (industry recommendation).

On/Off

O$_2$ Flush

Digital Ultra™ Flushmount Pkg. H
56800-CHAIR (includes RFS)
Order Chairmount Kit separately - see page 6

Flush Surface and Sealed Membrane. Easy to Disinfect or Barrier Protect.

Includes...
Remote Flow System™
Mixed Gas and Vacuum Source

RFS

Ultra PC™ % Cabinet Mount Pkg. H

• Single-knob total flow control
• N$_2$O ratio control with 70% maximum
• Oxygen fail-safe; oxygen flush
• Oxygen resuscitation connector
• Emergency air valve
• Directional check valve
• Continuous O$_2$ & N$_2$O flow tubes

Ultra PC % Cabinet Mount Pkg. H
36800-CHAIR (includes RFS)
Order Chairmount Kit separately - see page 6

Includes...
Remote Flow System™
Mixed Gas and Vacuum Source

RFS

4

RFS™ and Chairmount Kits

Add a Chairmount Kit for your *Remote Flow System…*

Eliminates long mixed gas and vacuum hoses from adjacent cabinets allowing better access to the patient.

INDUSTRY TODAY
TOP 50
TECHNOLOGY
PRODUCTS
2013 READERS' CHOICE AWARD

Forest
chair shown

Chairside Delivery Systems

Remote Flow System™ Mounted at Patient Chair

- Eliminates long mixed gas and vacuum hoses draping from adjacent cabinets, providing easier access for the doctor
- Creates uncluttered, safer work zone for doctor and staff
- Minimizes displacement of patient mask caused by drag/pull and weight of long hoses
- Store scavenging circuit and rubber goods when not in use
- Chairmount Kits listed on page 6

Remote Flow System™ mounts to patient chairs without drilling new holes and can be installed in the field – retrofit where possible or new construction. Kits available for a wide variety of dental chair brands.

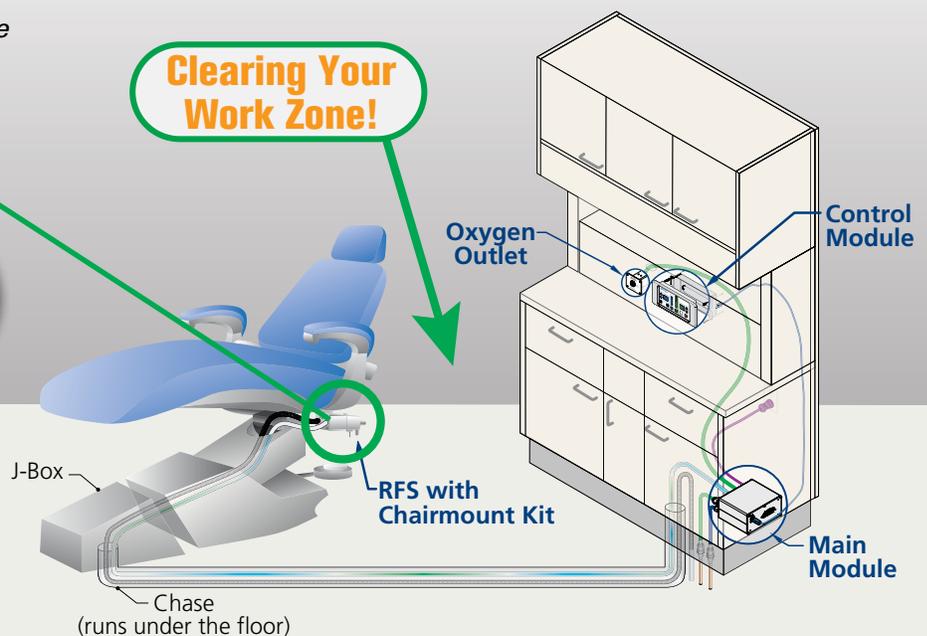### *Safety, Convenience, and Location, Location, Location.*

Remote Flow System™ - Not So Remote!

Eliminate scavenging circuit hoses draping from cabinetry and keep your work zone clear and safe

Clearing Your Work Zone!

VACUUM
ACCUTRON

RFS

Oxygen Outlet

Control Module

J-Box

RFS with Chairmount Kit

Main Module

Chase
(runs under the floor)

See the back cover for templates and installation instructions

5

Chairside Delivery Systems
Remote Flow System™ Mounted at Patient Chair

Royal Chairs
31007-1 – Alliant Chairmount Kit (shown)
31007-2 – Signet, R16 and RS1 Chairmount Kit
31007-3 – PD2/OR2/OR3/GP2 (w/o light) Chairmount Kit
31007-4 – PD2/OR2/OR3/GP2 (with light) Chairmount Kit

Marus Chairs
31004-1 – MaxStar (no extras) Chairmount Kit
31004-3 – NuStar (no extras) Chairmount Kit

A-dec Chairs
31005-1 – 1040 Chairmount Kit (shown)
31005-2 – Decade Plus Chairmount Kit
31005-3 – 511 Chairmount Kit
31005-4 – 311 Chairmount Kit
31005-5 – 400 Series Chairmount Kit
31005-6 – Performer Chairmount Kit

Pelton & Crane Chairs
31003-1 – 1700 and 1800 Chairmount Kit
31003-2 – 3000 and 3300 Chairmount Kit (shown)
31003-3 – Enterprise Chairmount Kit

Midmark Chairs
31002-1 – Ultra Chairmount Kit (shown)
31002-2 – Elevance® Chairmount Kit
31002-3 – 641 Surgery Chairmount Kit

Belmont Chairs
31006-1 – X-Calibur B-20N Chairmount Kit
31006-2 – X-Calibur V B-50 Chairmount Kit
31006-3 – Quolis™ Chairmount Kit
31006-4 – Pro II Chairmount Kit

Forest Chairs
31001-1M (metric) – 3900 (no extras) Chairmount Kit
31001-1S (standard) – 3900 (no extras) Chairmount Kit
31001-3 – 3900 (assist pkg.) Chairmount Kit (shown)

DentalEZ Chairs
31009-1 – Simplicity Chairmount Kit
31009-2 – NuSimplicity Chairmount Kit
31009-3 – J/V-Generation Chairmount Kit

Engle Chair
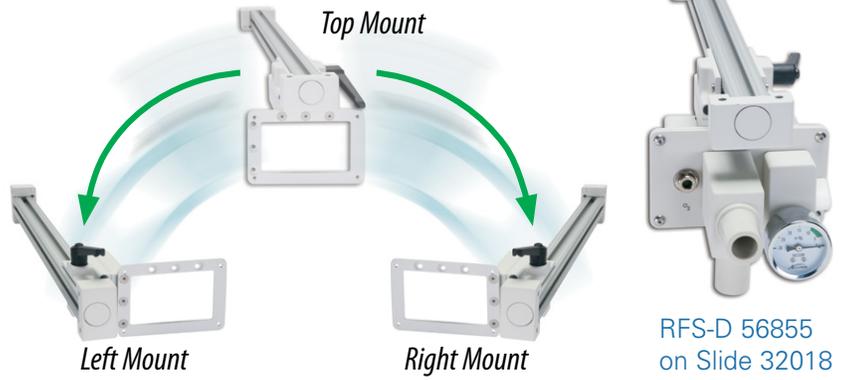31008-1 – 300 Chairmount Kit

RFS™ & Scavenging Circuits

Remote Flow System™ Mounted at Pole or in Cabinet

RFS-A 36855
RFS-D 56855

NEW **Universal Cabinet Slides**
3 Cabinet Mounting Positions

Top Mount

Left Mount   *Right Mount*

RFS-D 56855
on Slide 32018

25043 - Universal Pole Mount (shown)

32014 - Universal Cabinet Slide, Analog RFS*
32018 - Universal Cabinet Slide, Digital RFS*

Note: Universal Cabinet Slide, RFS-A and RFS-D can be installed within a cabinet to the left side, right side or under-mounted.

The most flexible and convenient vacuum and gas delivery control system you'll ever own! It can be mounted inside a cabinet, on the outside of a cabinet or at the patient chair (not so remote!) – you decide. For use with Digital Ultra Flushmount or Ultra PC % Cabinet Mount flowmeters.
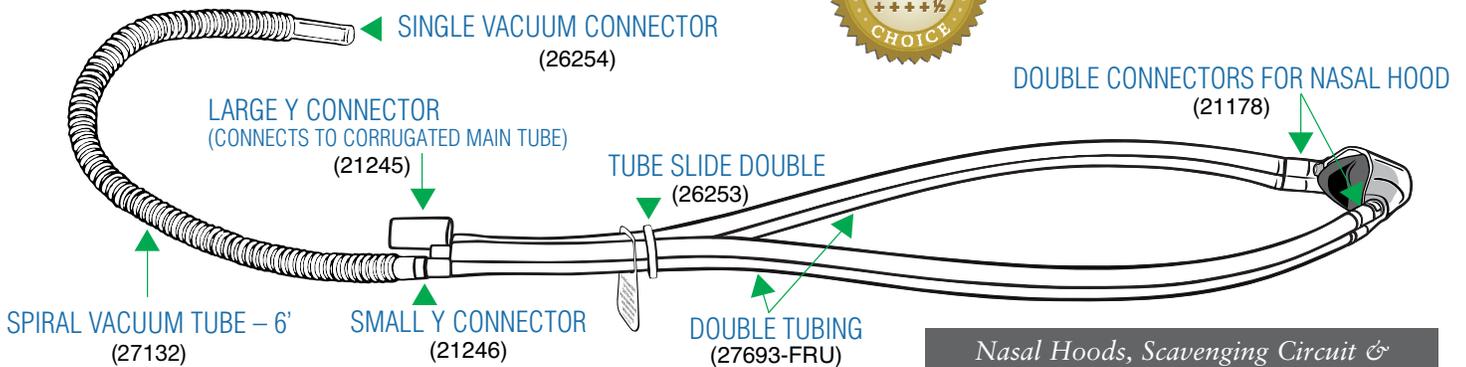
Scavenging Circuits for Remote Flow System™

32009 – PIP+™ Scavenging Circuit II (rubber goods)
33008 – PIP+™ Scavenging Circuit I (w/o rubber goods)
43004 – ClearView™ Scavenging Circuit II (rubber goods)
43006 – ClearView™ Scavenging Circuit I (w/o rubber goods)

All Accutron Scavenging Circuits include a complimentary sampling of Single-Use Nasal Hoods.

43006

ClearView™ Scavenging Circuit

SINGLE VACUUM CONNECTOR
(26254)

LARGE Y CONNECTOR
(CONNECTS TO CORRUGATED MAIN TUBE)
(21245)

TUBE SLIDE DOUBLE
(26253)

DOUBLE CONNECTORS FOR NASAL HOOD
(21178)

SPIRAL VACUUM TUBE – 6'
(27132)

SMALL Y CONNECTOR
(21246)

DOUBLE TUBING
(27693-FRU)

Nasal Hoods, Scavenging Circuit & Rubber Goods are Latex Free!

Oral Surgery & Emergency Oxygen

Digital Ultra™
Oral Surgery 4-Cylinder Portable

All Accutron flowmeters are available as oral surgery units and, along with a scavenging system, include an oral surgery accessory package (47000). The oral surgery accessory package contains a full facemask, elbow with pop-off, directional Y valve and corrugated tube.

The Digital Ultra's flush surface and sealed membrane make it easy to disinfect or barrier protect.

Specialty.

The Surgical E-Vac Kit (34014) includes five 1500 ml single-use canisters, wall mount plate and mounting hardware (requires Vacuum Outlet 34011).

Replacement Canisters are available (34016 – five 1500 ml single-use canisters per pkg.)

56100OS

Surgical E-Vac Kit

34014

Oral Surgery Accessory Package

47000

Emergency Oxygen

Deluxe Portable Oxygen System

Includes:
- Demand Valve Resuscitator with O_2 Q/C Fitting
- Adjustable Liter-Flow Regulator
- Adult Facemask
- Cylinder Wrench
- Portable Cart (O_2 cylinder not included)

38013

Demand Valve Resuscitator

38011

Oxygen Always Available.

Micro - O_2 Outlet
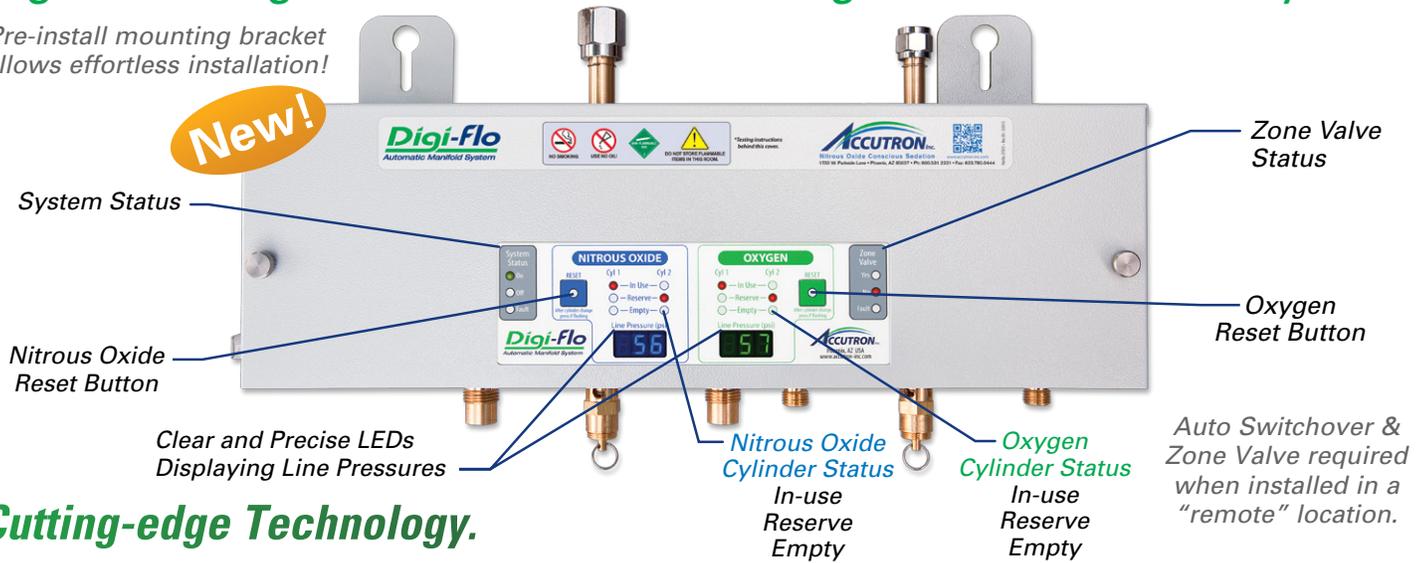
27793

Oxygen Selector Valve

35015

8

Manifolds & Outlets

Digi-Flo™ Digital Automatic Switching Manifold/Alarm System

Pre-install mounting bracket allows effortless installation!

New!

System Status

Nitrous Oxide Reset Button

Clear and Precise LEDs Displaying Line Pressures

Zone Valve Status

Oxygen Reset Button

Nitrous Oxide Cylinder Status
In-use
Reserve
Empty

Oxygen Cylinder Status
In-use
Reserve
Empty

Auto Switchover & Zone Valve required when installed in a "remote" location.
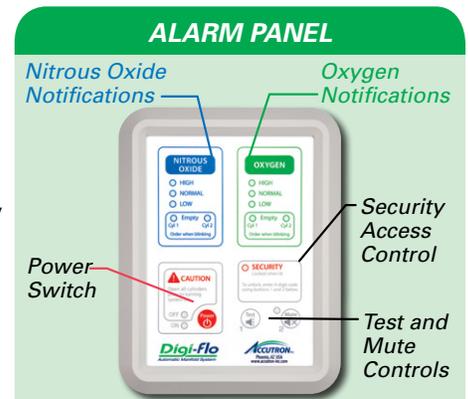
Cutting-edge Technology.

Favored for its advanced digital technology, the Digi-Flo™ Automatic System is user-friendly and convenient – it is designed to safely and precisely provide uninterrupted gas supply to the dental operatory.

Easily accessible components; field upgradable software. System allows for dual alarm panels and up to 4 zone valves.

Wall or Desk Alarm Systems
49150 – Desk Alarm
49250 – Wall Alarm
49350 – Desk Alarm & Security
49450 – Wall Alarm & Security
49550 – Zone Valve (if required)
49053 – 2nd Wall Alarm Pre-Install Kit
49054 – Digi-Flo 2nd Wall Alarm
49054-S – Digi-Flo 2nd Wall Alarm with Security
27985-FRU – Digi-Flo™ Optional Conduit Kit
27954-FRU – Matrx Manifold Adapter Kit

Above packages include all manifold system components as well as a pre-install kit. To order without pre-install kit, add -NP to part number.

ALARM PANEL

Nitrous Oxide Notifications

Oxygen Notifications

Power Switch

Security Access Control

Test and Mute Controls

Guardian Monitor™ Conventional Manifold/Alarm System

The Guardian Monitor™ System is typically chosen by clinicians looking for an economical manifold purchase and who don't mind taking a walk to the storage area to manually switch over cylinders.

Wall or Desk Alarm Packages
38002 – Wall Alarm (2 O_2 + 2 N_2O)
38003 – Desk Alarm (2 O_2 + 2 N_2O)
38004 – Wall Alarm (2 O_2 + 1 N_2O)
38005 – Desk Alarm (2 O_2 + 1 N_2O)
39550 – Zone Valve (if required)

Above packages include all manifold system components as well as a pre-install kit. To order without pre-install kit, add -NP to part number.

Conventional.

Outlets

Micro Outlets
34012-3 – Triple Outlet Kit
34012-3-NS – Triple Outlet Kit without Shut Offs

Recessed Outlets
34004 – Triple Outlet (shown)
34005 – Dual Outlet

Dual and Triple Micro Outlets are perfect companions for flowmeter systems that are mounted in a cabinet, like the Digital Ultra™ Flushmount and the Ultra PC™ % Cabinet Mount. The Micros can rest on a shelf or the floor of a base cabinet and offer flexibility that isn't always possible with a fixed mounted outlet station.
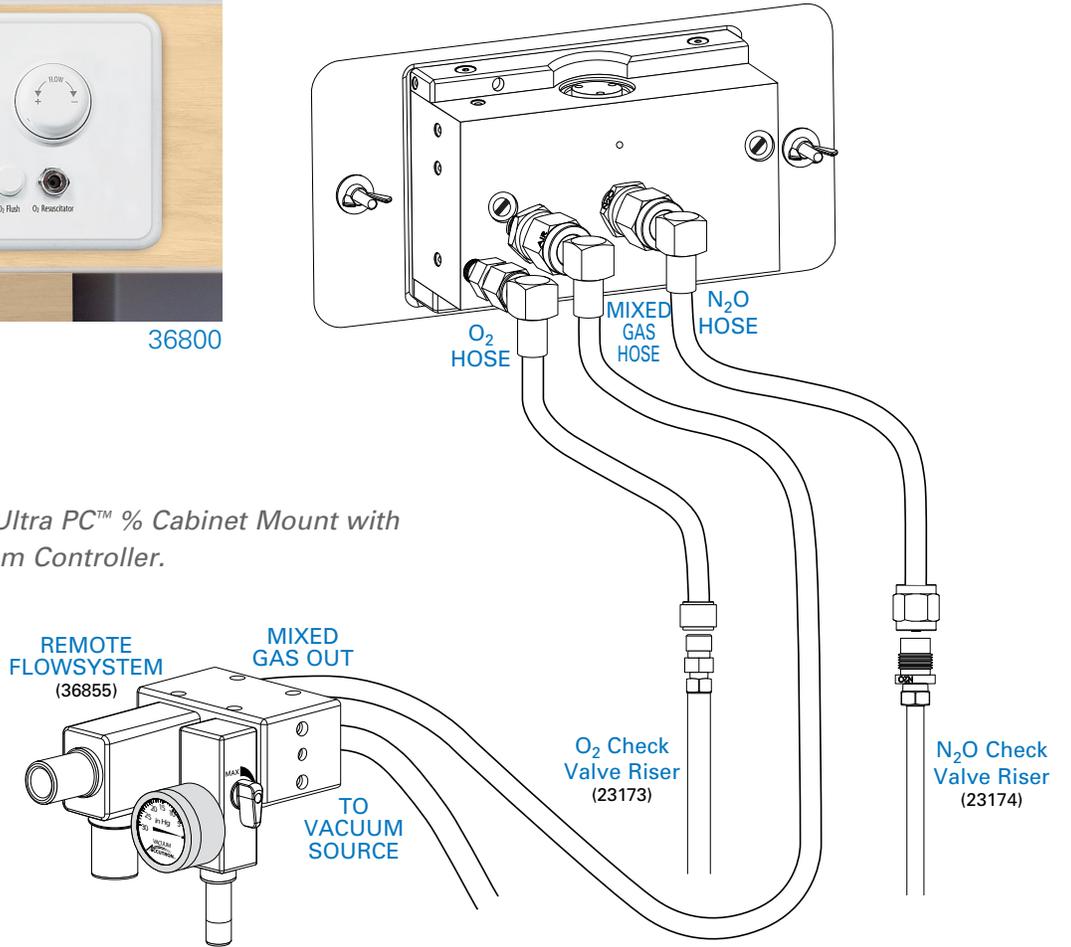
36800

Ultra PC™ % Cabinet Mount

Diagram is specific to 36800 Ultra PC™ % Cabinet Mount with RFS Vacuum Controller.

O_2 HOSE

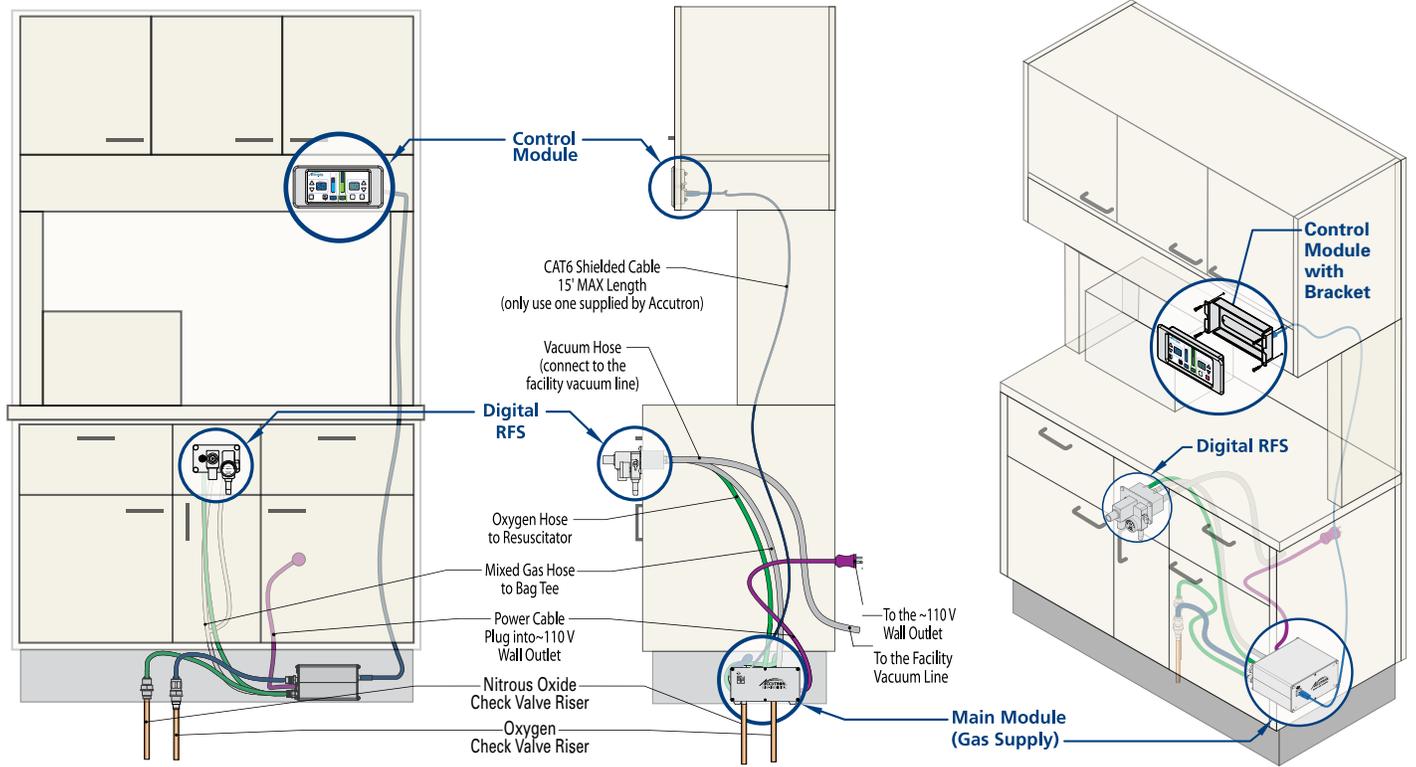MIXED GAS HOSE

N_2O HOSE

REMOTE FLOWSYSTEM (36855)

MIXED GAS OUT

TO VACUUM SOURCE

O_2 Check Valve Riser (23173)

N_2O Check Valve Riser (23174)

Ultra PC™ % Cabinet Mount

Options for vacuum system controllers include: Standard Bag Tee and Remote Flow System.
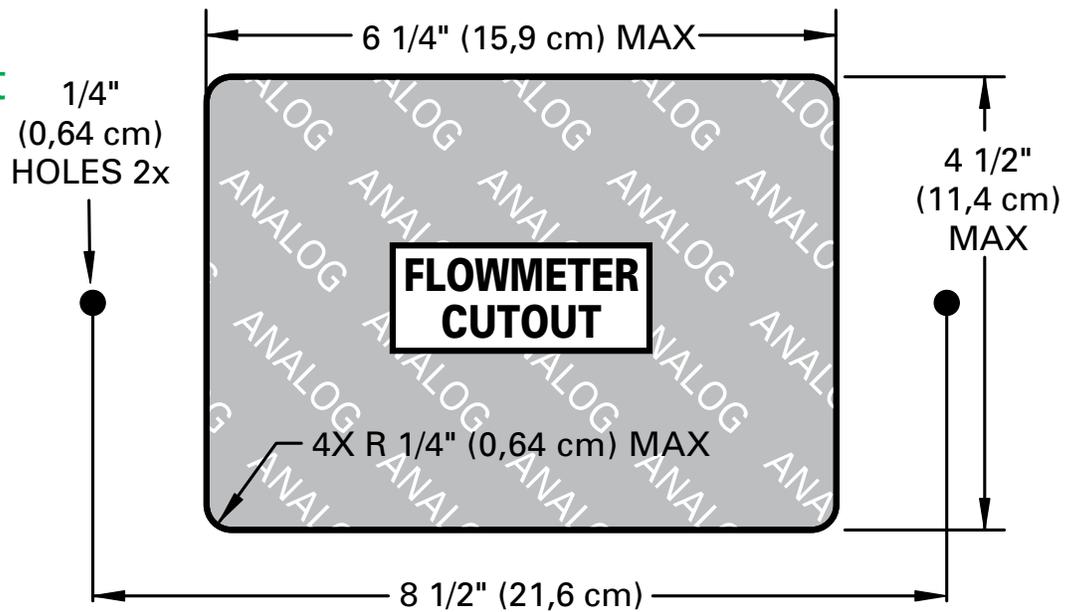
1/4" (0,64 cm) HOLES 2x

6 1/4" (15,9 cm) MAX

4 1/2" (11,4 cm) MAX

FLOWMETER CUTOUT

4X R 1/4" (0,64 cm) MAX

8 1/2" (21,6 cm)

Cut-out dimensions not to scale.

10

Control Module

CAT6 Shielded Cable
15' MAX Length
(only use one supplied by Accutron)

Vacuum Hose
(connect to the
facility vacuum line)

Digital RFS

Oxygen Hose
to Resuscitator

Mixed Gas Hose
to Bag Tee

Power Cable
Plug into~110 V
Wall Outlet

To the ~110 V
Wall Outlet

To the Facility
Vacuum Line

Nitrous Oxide
Check Valve Riser

Oxygen
Check Valve Riser

Control
Module
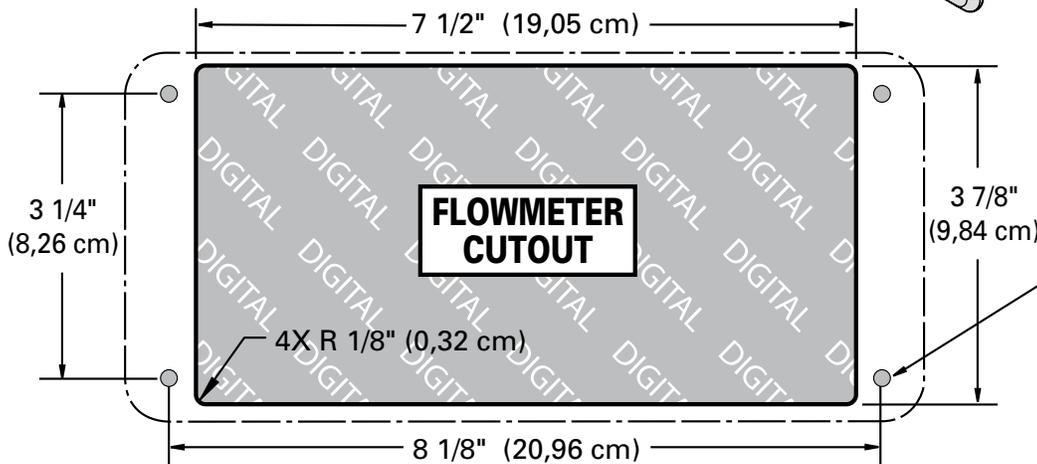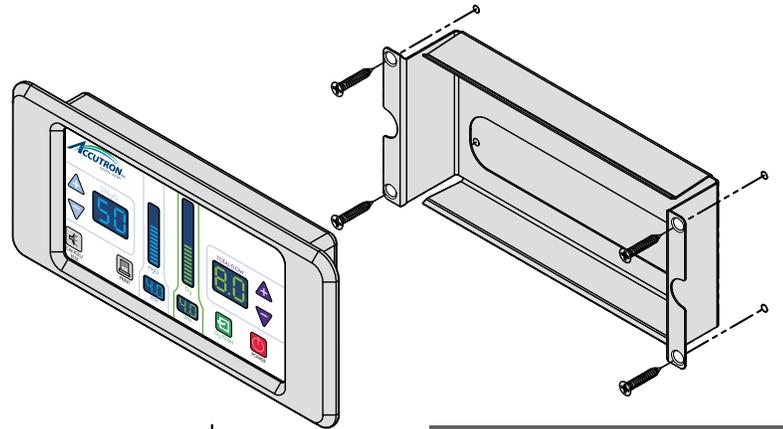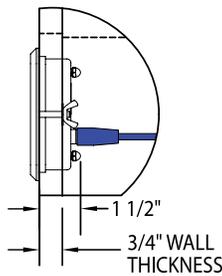with
Bracket

Digital RFS

Main Module
(Gas Supply)

In-cabinet illustrations are specific to 56800 Digital Ultra™ Flushmount with RFS Vacuum Controller.

Bracket is included with flowmeter.

Digital Ultra™ Flushmount

Slimline design separates control module from gas supply module and offers:
• More accessible cabinet space
• Flexible installation choices
• Mounting in wall as an option (NFPA-approved)

1 1/2"

3/4" WALL
THICKNESS

7 1/2" (19,05 cm)

3 1/4"
(8,26 cm)

FLOWMETER
CUTOUT

4X R 1/8" (0,32 cm)

8 1/8" (20,96 cm)

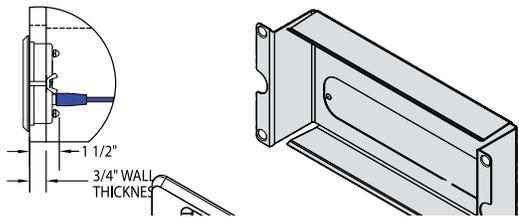*Cut-out dimensions not to scale.*

3 7/8"
(9,84 cm)

Options for vacuum system controllers include: Standard Bag Tee, Accu-Vac or Remote Flow System.

4X "A" THRU ALL

A=5/64" (0,20 cm)
**FOR #8 FLATHEAD
WOOD SCREW**

A=3/16" (0,48 cm)
**FOR #8 FLAT HEAD
MACHINE WOOD SCREW**
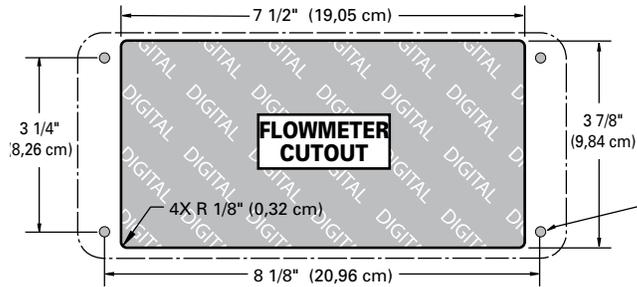
11

Precision Nitrous Oxide Systems
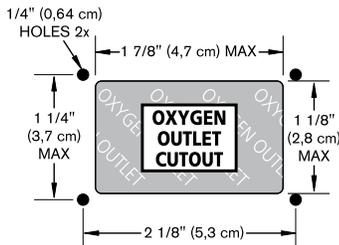
Digital Ultra™ Flushmount
56800-CHAIR

Options for vacuum system controllers include: Standard Bag Tee, Accu-Vac or Remote Flow System.

7 1/2" (19,05 cm)
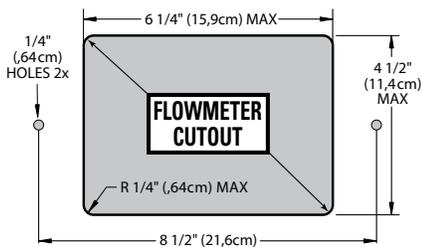
3 1/4" (8,26 cm)

FLOWMETER CUTOUT

3 7/8" (9,84 cm)

4X R 1/8" (0,32 cm)

8 1/8" (20,96 cm)

4X "A" THRU ALL
A=5/64" (0,20 cm)
FOR #8 FLATHEAD WOOD SCREW
A=3/16" (0,48 cm)
FOR #8 FLAT HEAD MACHINE WOOD SCREW

Template not to scale

1) In advance of construction:
- a) Provide for tubing chase from flowmeter location to chair J-Box.
- b) Install Vacuum, Oxygen, and Nitrous Oxide risers

2) Installation:
- a) Ensure cut-outs for the flowmeter and oxygen outlet are located correctly
- b) Mount Control Module Bracket, with long slot down. Feed cable through the slot. Connect cable to controller and press controller into bracket. Make sure cable is not pinched. To remove controller from the bracket, insert screwdriver into slot at bottom corner of controller and pry outward.
- c) Pull the Mixed Gas and Vacuum lines up to the Remote Flow System mounting location on the chair
- d) Install Remote Flow System to chair *(Locate separate chair mounting kit and instructions)*
- e) Complete connections of all hoses

1/4" (0,64 cm) HOLES 2x

1 7/8" (4,7 cm) MAX

1 1/4" (3,7 cm) MAX

OXYGEN OUTLET CUTOUT

1 1/8" (2,8 cm) MAX

2 1/8" (5,3 cm)

Template not to scale

1 1/2"

3/4" WALL THICKNESS

See installation illustration on page 5

Ultra PC™ % Cabinet Mount
36800-CHAIR

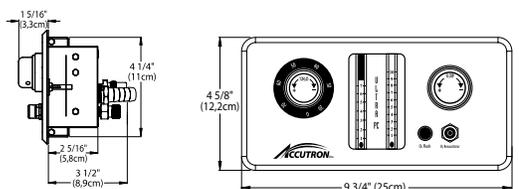**1) In advance of construction:**
- a) Provide for tubing chase from flowmeter location to chair J-Box.
- b) Install Vacuum, Oxygen, and Nitrous Oxide risers

2) Installation:
- a) Ensure cut-out for the flowmeter is located correctly
- b) Mount Ultra PC Flowmeter through cutout, install wing nuts, and connect hoses to risers
- c) Pull the Mixed Gas and Vacuum lines up to the Remote Flow System mounting location on the chair
- d) Install Remote Flow System to chair *(Locate separate chair mounting kit and instructions for RFS)*
- e) Complete connections of all hoses

6 1/4" (15,9cm) MAX

1/4" (,64 cm) HOLES 2x

FLOWMETER CUTOUT

4 1/2" (11,4cm) MAX

R 1/4" (,64cm) MAX

8 1/2" (21,6cm)

Template not to scale

Mixed Gas Outlet 1/4" Barb

Nitrous Oxide Inlet Male DISS CGA 1040

14554

Oxygen Inlet Male DISS CGA 1240

Serial # Label

Mounting Post with 2 wing nuts

1 5/16" (3,3cm)

4 1/4" (11cm)

2 5/16" (5,8cm)

3 1/2" (8,9cm)

4 5/8" (12,2cm)

9 3/4" (25cm)

See installation illustration on page 6