

Advanced Conscious Sedation Systems

Go Digital!



Digital Precision and Safety



Systems:

- Central
- Portable
- Enclosed Portable
- Cabinet-Mounted Central



Flowmeters:

- Digital
- Percentage
- Conventional

Mounts:

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

Chairside Delivery Systems

RFS™ Remote Flow System - Not So Remote.

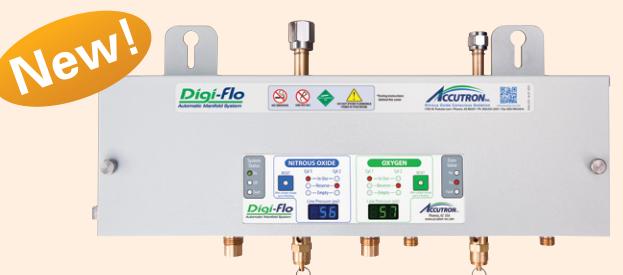
Now you can mount our RFS™ remote flow system directly to your dental chair without drilling into the chair's frame. Our new Chairmount Kits are available for many of today's popular chair brands.



Forest™ chair shown

Clearing Your Work Space.

Digi-Flo[®] Digital Automatic Switching Manifold/Alarm System



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

Technology for the Future.

Central Flowmeter Systems

Digital Percentage



Digital Ultra® Flushmount Flowmeter

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 Flowmeter, purchase
32055 - Surface Mount for Digital Ultra Flushmount Flowmeter.



Digital Ultra® Flowmeter

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 Flowmeter

36600 - Pkg. G – Standard Bag Tee

36800 - Pkg. H – RFS™-A

36800-CHAIR - Pkg. H CHAIR – RFS™ for Chairmount Kits



Universal Cabinet Slide, PC/DC 3 Cabinet Mounting Positions

Analog Dual Control



Ultra DC® Flowmeter

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.

Variety.

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.

Portable Flowmeter Systems

Traditional Portables

4-Cylinder Portables

36100 – Ultra PC® % Flowmeter

46100 – Ultra DC® Flowmeter

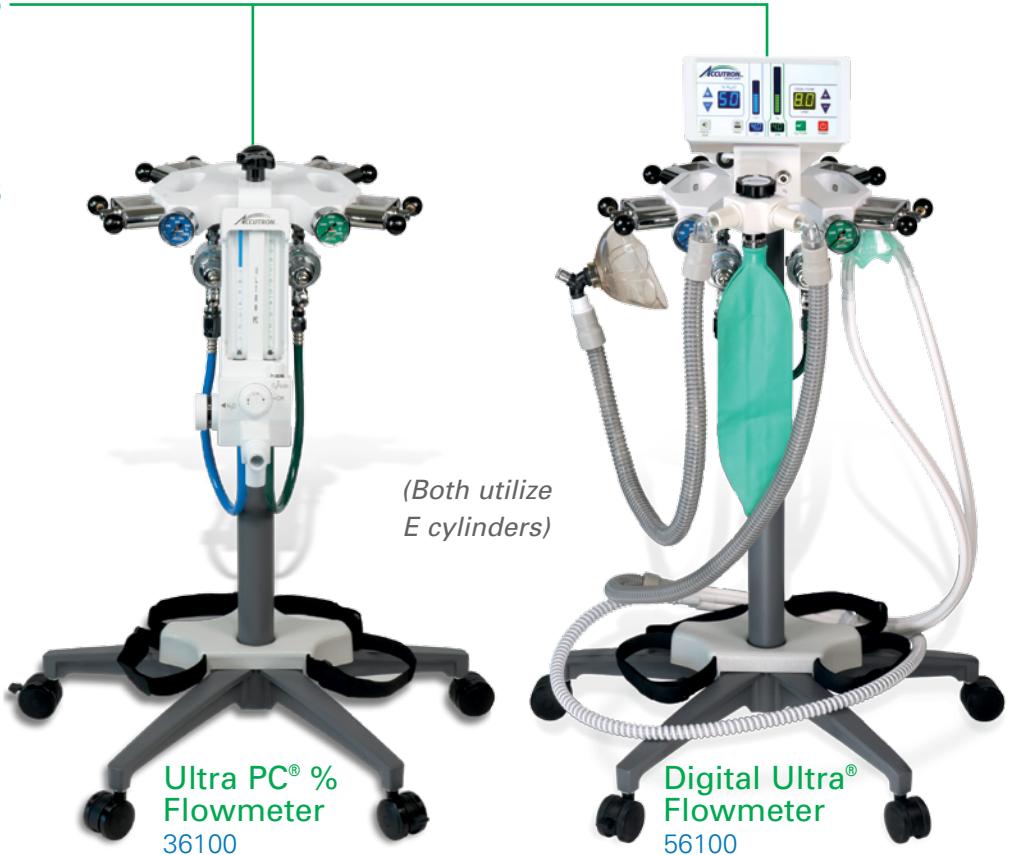
56100 – Digital Ultra® Flowmeter

2-Cylinder Portables

(not represented in pictures)

36000 – Ultra PC® % Flowmeter

46000 – Ultra DC® Flowmeter



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.

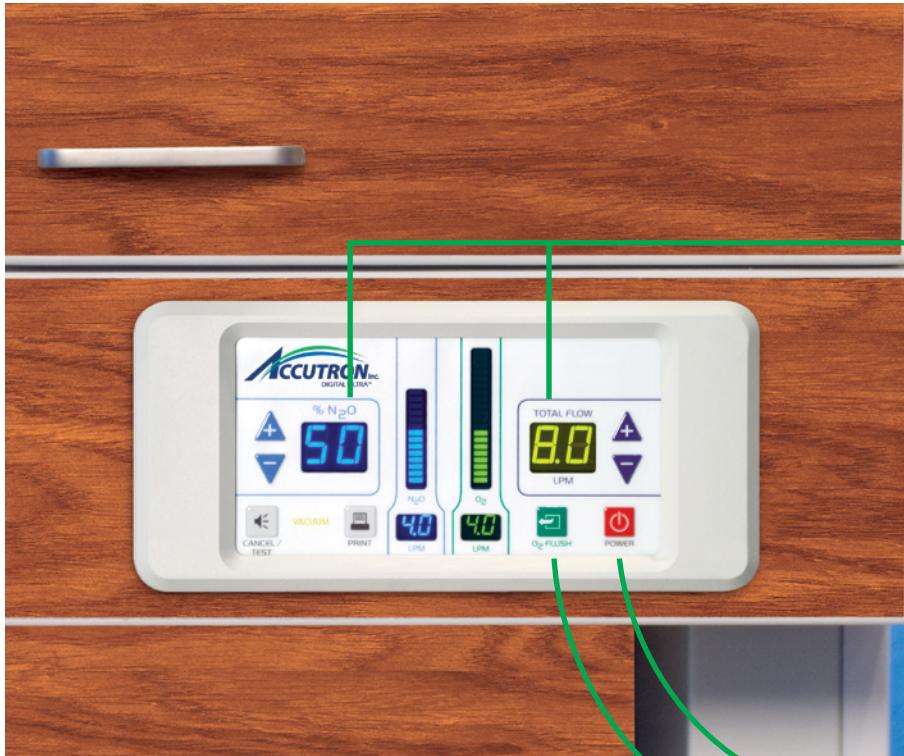
Newport™ Flowmeter System

50000



...you decide.

Flowmeters for RFS™ Chairmount Kits



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

Digital Ultra® Flushmount Flowmeter 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

O₂ Flush

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

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



Ultra PC® % Cabinet Mount Flowmeter Pkg. H
[36800-CHAIR](#) (includes RFS™)
Order Chairmount Kit separately - see page 6

Ultra PC® % Cabinet Mount Flowmeter Pkg. H

- Single-knob total flow control
- N₂O ratio control with 70% maximum
- Oxygen fail-safe; oxygen flush
- Oxygen resuscitation connector
- Emergency air valve
- Directional check valve
- Continuous O₂ & N₂O flow tubes

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



RFS™ and Chairmount Kits



Forest
chair shown

Add a
Chairmount
Kit for your
Remote Flow
System...



Chairside Delivery Systems

RFS™ 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

RFS™ 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.

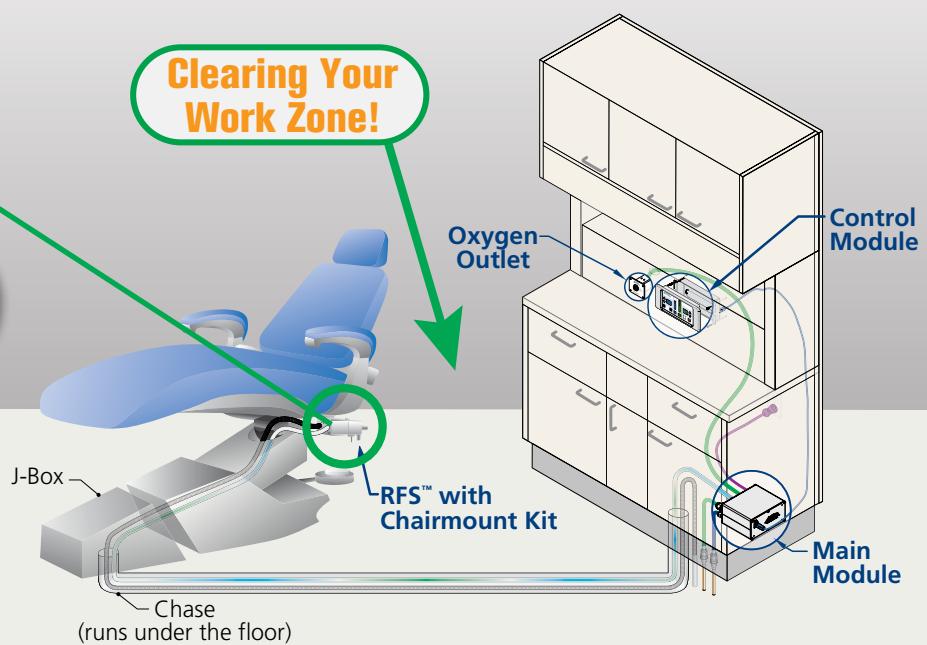
RFS™ Remote Flow System - Not So Remote!

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



See the back cover for
templates and installation
instructions

Clearing Your
Work Zone!



Remote Flow System Chairmount Kits

Chairside Delivery Systems

RFS™ 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



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)

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

DentalEZ® Chairs

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

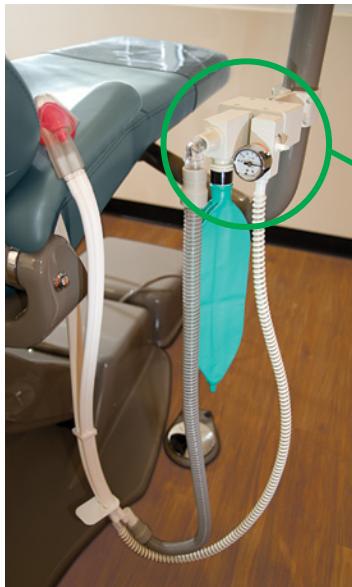
Engle™ Chair

- 31008-1 – 300 Chairmount Kit

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All other product names are trademarks of their respective company's

Remote Flow System & Scavenging Circuits

RFS™ Remote Flow System Mounted at Pole or in Cabinet



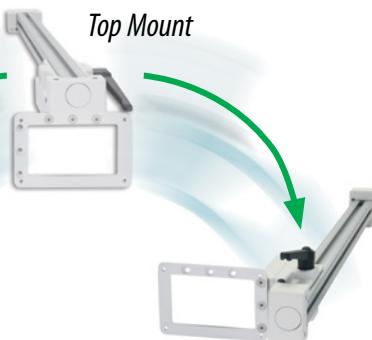
RFS™-A 36855
RFS™-D 56855

NEW

Universal Cabinet Slides
3 Cabinet Mounting Positions



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 Masks.

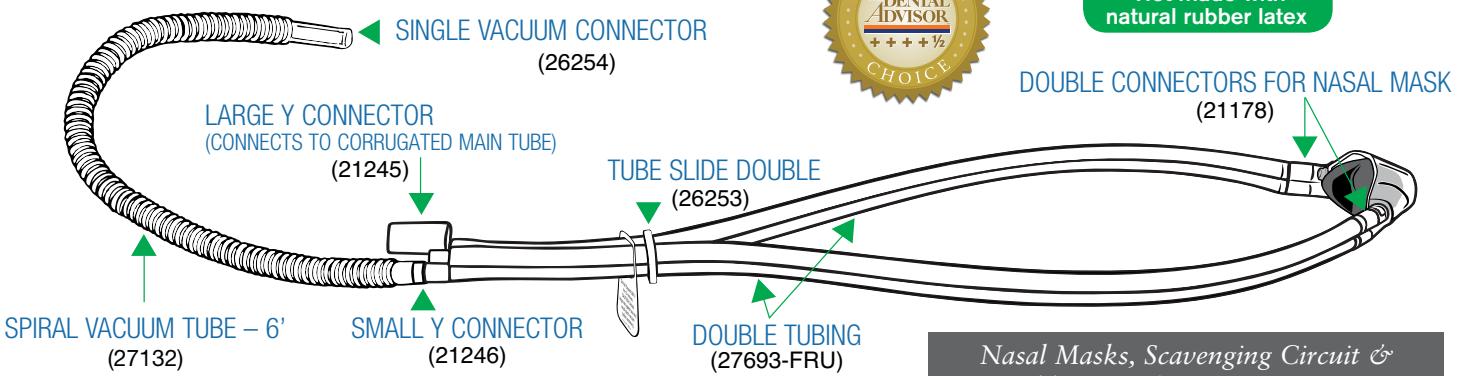


43006



*Not made with natural rubber latex

ClearView™ Scavenging Circuit



Oral Surgery & Emergency Oxygen

Digital Ultra® Oral Surgery 4-Cylinder Portable Flowmeter

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.

Surgical E-Vac Kit

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.)



34014

Oral Surgery Accessory Package



47000

Emergency Oxygen

Deluxe Portable Oxygen System

Includes:

- Demand Valve Resuscitator with O₂ Q/C Fitting
- Adjustable Liter-Flow Regulator
- Adult Facemask
- Cylinder Wrench
- Portable Cart (O₂ cylinder not included)



38013

Demand Valve Resuscitator



38011

Oxygen Always Available.

Micro - O₂ Outlet



27793

Oxygen Selector Valve

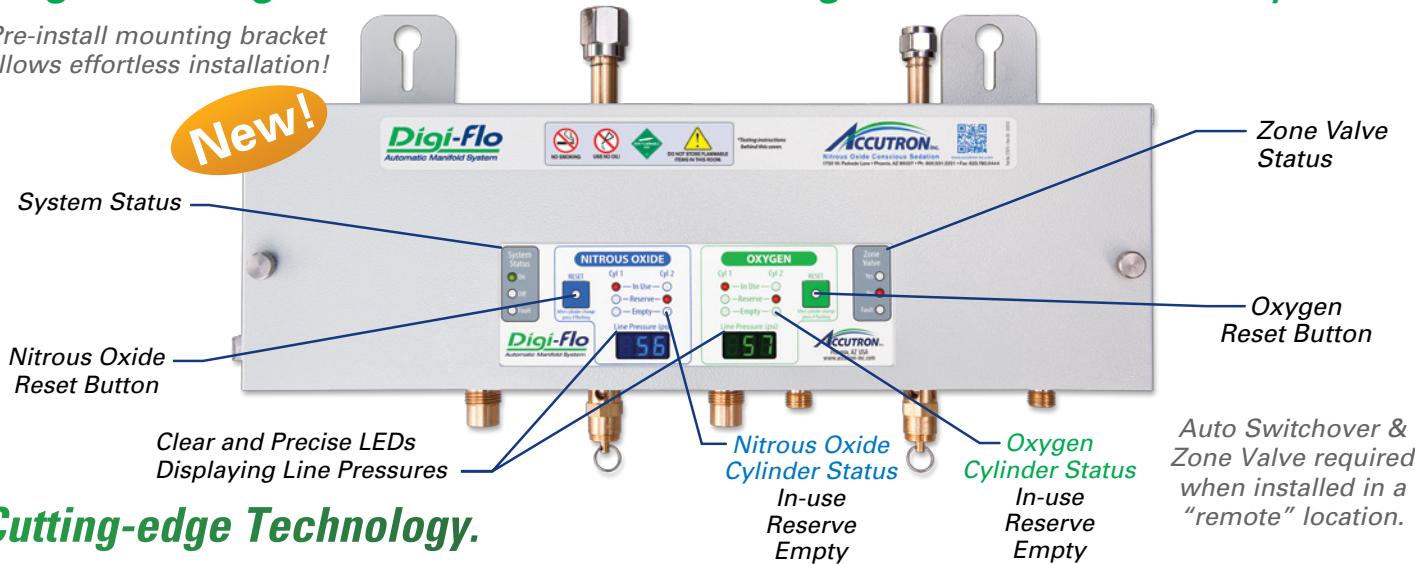


35015

Manifolds & Outlets

Digi-Flo® Digital Automatic Switching Manifold/Alarm System

Pre-install mounting bracket allows effortless installation!



Cutting-edge Technology.

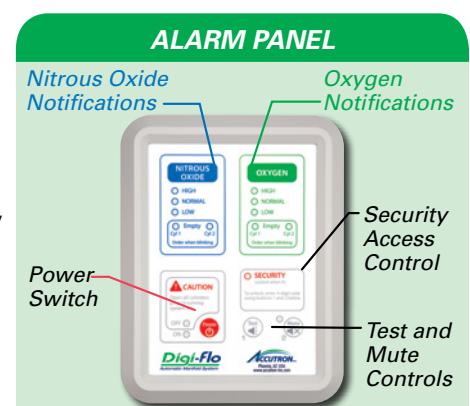
Favored for its advanced digital technology, the Digi-Flo® Automatic System is user-friendly and convenient – it is designed to safely and precisely provide uninterrupted gas supply to the dental operatory.

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 – Matrix® 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.



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 O₂ + 2 N₂O)
- 38003 – Desk Alarm (2 O₂ + 2 N₂O)
- 38004 – Wall Alarm (2 O₂ + 1 N₂O)
- 38005 – Desk Alarm (2 O₂ + 1 N₂O)
- 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

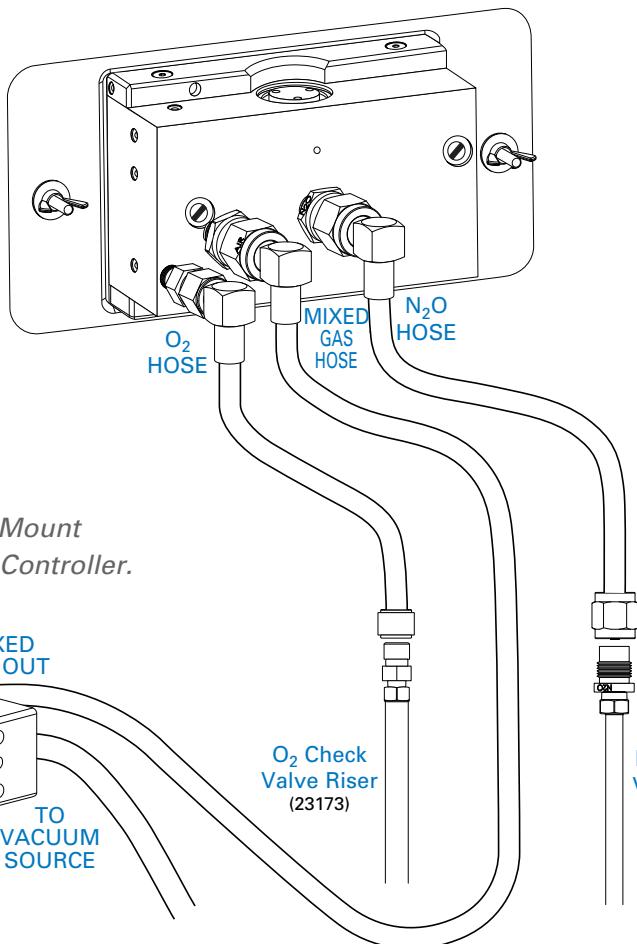
Installation Diagram & Template: Ultra PC® % Cabinet Mount 36800



36800

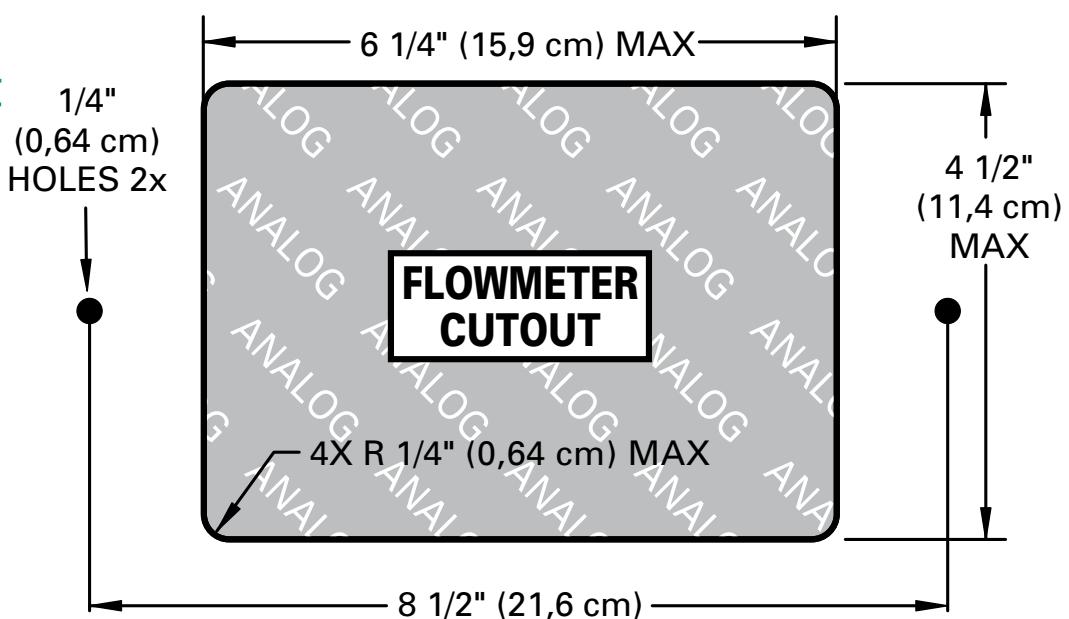
Ultra PC® % Cabinet Mount

Diagram is specific to 36800 Ultra PC® % Cabinet Mount Flowmeter with RFS™ Remote Flow System Vacuum Controller.



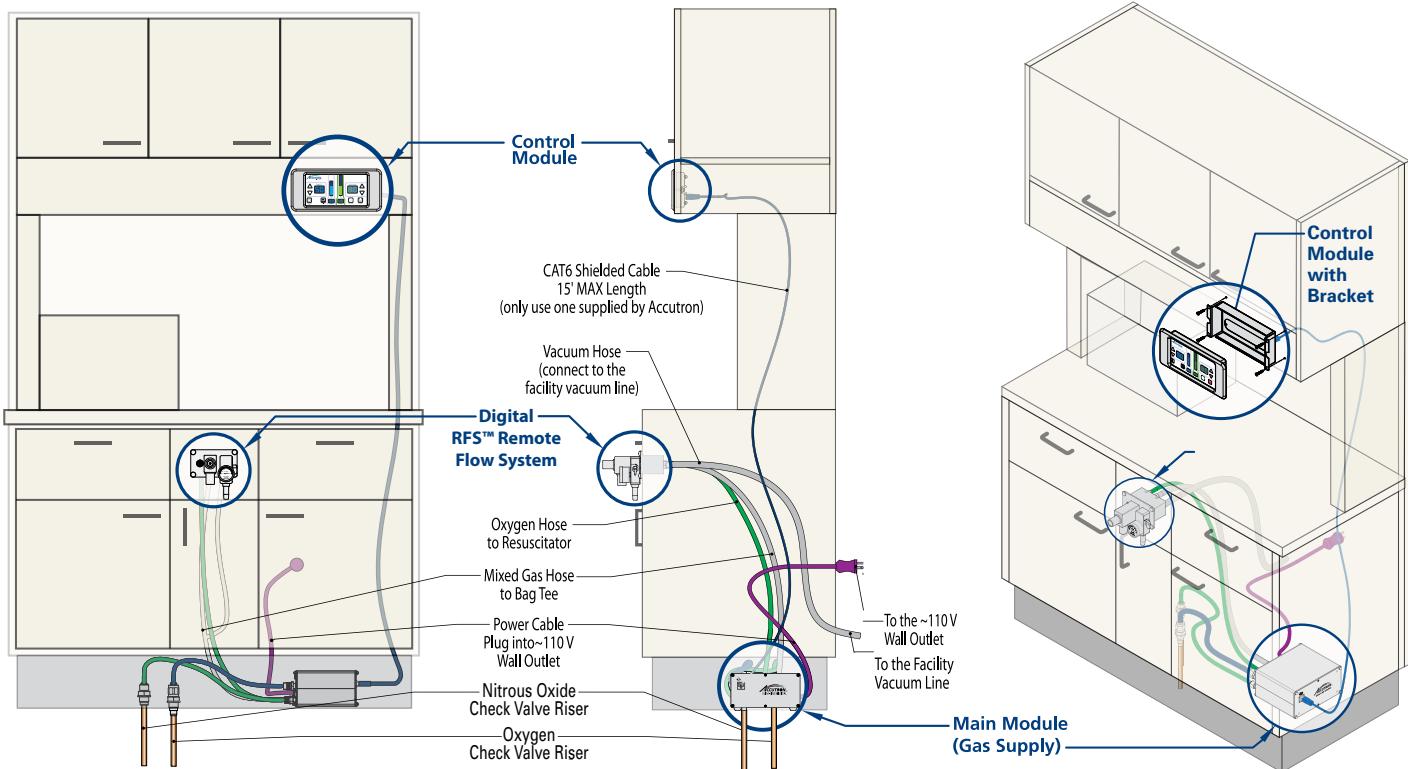
Ultra PC® % Cabinet Mount

Options for vacuum system controllers include:
Standard Bag Tee and
RFS™ Remote Flow System.



Cut-out dimensions not to scale.

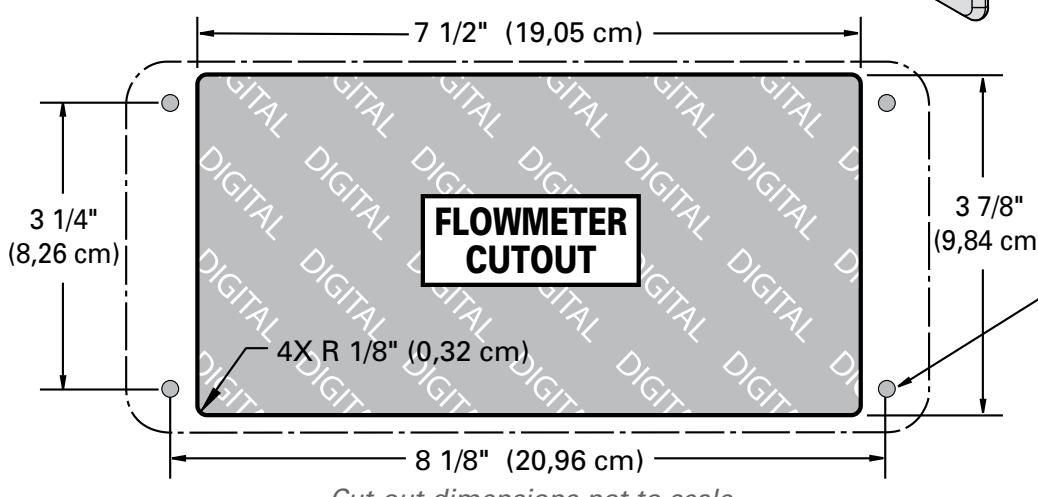
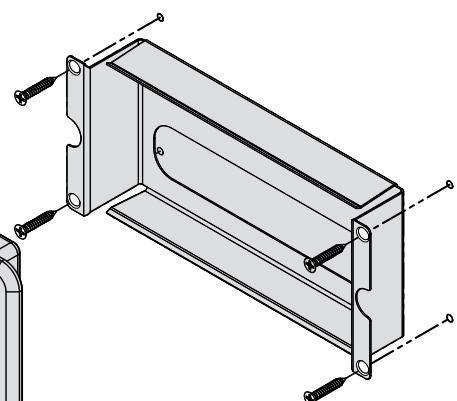
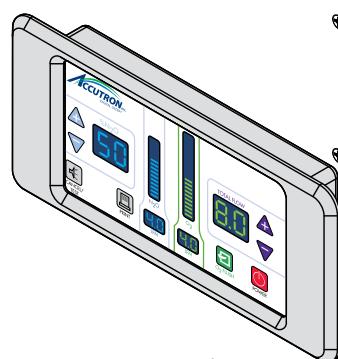
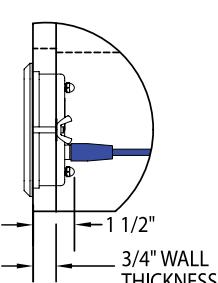
Installation Diagram & Template: Digital Ultra® Flushmount 56800



Digital Ultra® Flushmount

Slimline design separates control module from gas supply module and offers:

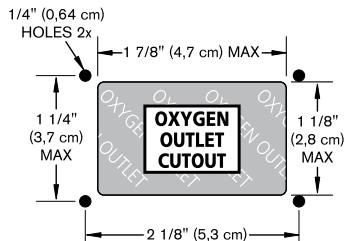
- More accessible cabinet space
- Flexible installation choices
- Mounting in wall as an option (NFPA-approved)



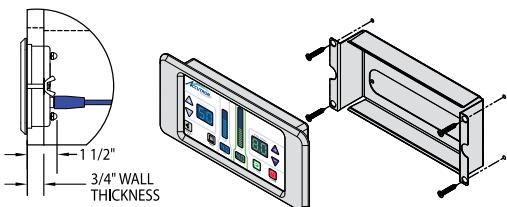
Options for vacuum system controllers include:
Standard Bag Tee,
Accu-Vac™ or
RFS™ Remote Flow System.

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

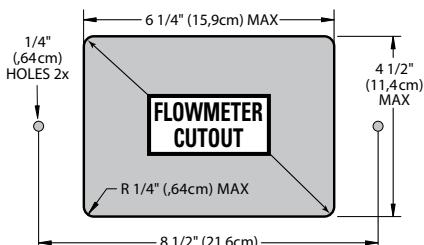
Precision Nitrous Oxide Systems



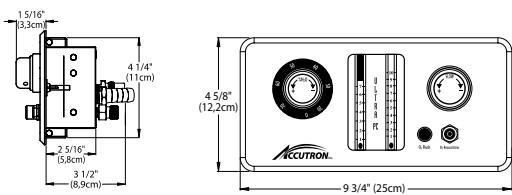
Template not to scale



See installation illustration on page 5

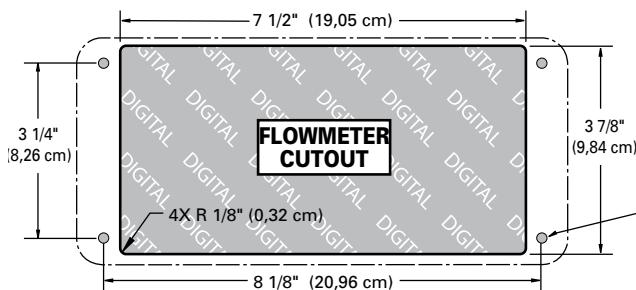


Template not to scale



See installation illustration on page 6

Digital Ultra® Flushmount Flowmeter 56800-CHAIR



Template not to scale

1) In advance of construction:

- Provide for tubing chase from flowmeter location to chair J-Box.
- Install Vacuum, Oxygen, and Nitrous Oxide risers

2) Installation:

- Ensure cut-outs for the flowmeter and oxygen outlet are located correctly
- 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.
- Pull the Mixed Gas and Vacuum lines up to the Remote Flow System mounting location on the chair
- Install Remote Flow System to chair
(Locate separate chair mounting kit and instructions)
- Complete connections of all hoses

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

4X "A" THRU ALL
A=5/64" (0.20 cm)
FOR #8 FLAT HEAD
WOOD SCREW

A=3/16" (0.48 cm)
FOR #8 FLAT HEAD
MACHINE WOOD SCREW

Ultra PC® % Cabinet Mount Flowmeter 36800-CHAIR

1) In advance of construction:

- Provide for tubing chase from flowmeter location to chair J-Box.
- Install Vacuum, Oxygen, and Nitrous Oxide risers

2) Installation:

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

