SPACELABS
HEALTHCARE

An OSI Systems Company

Anesthesia Delivery & Ventilation

Product Overview Guide 2013/2014

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Anesthesia Delivery & Ventilation Product Overview Guide

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Spacelabs Healthcare Anesthesia Systems

Arkon

Feature Overview	Arkon
Max. number of gases	3
Max. number of pipelines	5
Max. number of cylinders	4; 3 standard
Max. number of gauges	7; digital display (System Status Computer)
Max. cylinder size	E with PIN Index
Backbar type	Selectatec; includes outlet for Desflurane
Max. number of vaporizers	2
Max. number of electrical connections	7 electrical, 5 Ethernet, 4 USB ports and 2 RS232 serial ports (Standard)
Choice of gas fittings	NIST, DISS, SIS
Flowmeter	Electronic display, illuminated
Lighting	8 individual areas; 4 customizable
Number of drawers	2 (standard)
Number of shelves	3 (standard)
Power Output	ANSI 85-120V (50-60Hz), ISO 200-235 (50-60Hz)

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BleaseSirius, BleaseFocus and BleaseGenius MRI

Each of the following models can be tailored to meet your individual requirements within the following boundaries. Please select the system best suited to you.

Feature Overview	BleaseSirius	BleaseFocus Model A1	BleaseFocus Model A2	BleaseGenius MRI
Max. number of gases	3	3	3	3
Max. number of pipelines	5	5	5	3
Max. number of cylinders	4	4	4	2
Max. number of gauges	7	7	7	5
Max. cylinder size	E with PIN Index or 10l nominal liquid capacity	E	E	E
Backbar choice	Selectatec	Selectatec	Selectatec	Selectatec
Max. number of vaporizers	2	2	2	2
Max. number of electrical sockets	4	4	4	0
Choice of gas fittings	NIST, DISS Air Liquide, DIN, SIS	NIST, DISS Air Liquide, DIN	NIST, DISS Air Liquide, DIN	NIST, DISS Air Liquide, DIN
Choice of Flowmeter	Simplex, cascade or electronic display, illuminated	Simplex or cascade	Simplex or cascade	Simplex or cascade
Max. number of drawers	3	4	2 (Standard)	0
Power Output	ANSI 85-120V (50-60Hz), ISO 200-235 (50-60Hz)	N/A	N/A	N/A

We tailor each system to your individual requirement. Therefore, we provide the following country specifications. Please indicate your choice when ordering.

Specification	English (UK) and Australia	English (USA-AE)	Spanish (USA-SP)	South Africa (SA)	Canada (CAN)	China
Gas order	O_2/N_2O/ Air (ISO)	Air/N_2O/O_2 (ANSI)	Air/N_2O/O_2 (ANSI)	Air/N_2O/O_2 (ANSI)	Air/N_2O/O_2	O_2/N_2O/ Air
Gas color	White/blue/black (ISO)	Yellow/light blue/green (ANSI)	Yellow/light blue/green (ANSI)	Black/blue/white (ISO)	Black & white/blue/ white	Blue/Silver Gray/Black
Ventilator universal input	85-265V (50-60Hz)					
Pipeline connectors	NIST	DISS	DISS	NIST	DISS	NIST
Label language	ENGLISH	ENGLISH	SPANISH	ENGLISH	ICONS	Chinese

Chinese, ANSI and ISO Gas Color Codes			
	Chinese	ANSI	ISO
Oxygen	Blue	Green	White
Nitrous oxide	Silver gray	Blue	Blue
Medical air	Black	Yellow	Black
Suction	N/A	White	Yellow
Evacuation	N/A	Purple	Beige

Arkon System

This "evolutionary" anesthesia delivery system expands to enable a wide-angle view of the clinical setting. Plus, it offers a host of additional clinical advancements, including:

- Centrally located clinical controls for ease-of-use
- A touchscreen display with intelligent navigation
- Intuitive and highly customizable user interface
- Signature lighting to emphasize active controls
- A rotating breathing circuit for bringing anesthesia delivery closer to your patient
- A full range of ventilation modes

Basic Features – Anesthesia Office and Clinical Console

1	Extension Control Switch
2	Paperwork Storage Slots
3	Drop-down Shelf
4	Pull-out Writing Surface
5	On/Off Power Button
6	Work surface light dial, USB and Ethernet ports for connectivity and an auxiliary power outlet
7	System Status Computer
8	Expandable Work Surface
9	Retractable Keyboard
10	Drawers (2)
11	Castor Brake Pedal

1	Vaporizer
2	Electronic Flow Controls (EFC)
3	Suction Controls
4	AGSS Connection
5	Absorbent Canister
6	Breathing Circuit
7	Ventilator Display

Standard Features

- Console design featuring separate Clinical Console and Anesthesia Office areas
- Fully Integrated Ventilator
- 2-position Selectatec$^®$ Vaporizer Backbar with electrical outlet for a Desflurane Vaporizer
- Electronic Flow Controls for Fresh Gas Delivery
- Integrated Auxiliary O_2 Flowmeter with Backlighting
- High Pressure Pipeline Inlet Fittings for O_2, Air, N_2O Supplies
- Emergency O_2 Fresh Gas Control
- O_2 Flush
- CO_2 Circle Absorber, with CO_2 Bypass
- Status Indicator Lights for the Bag, Bellows, Absorber, ACGO
- Bellows with Backlighting
- Integrated Suction Regulator
- System Status Computer
- Auxiliary Common Gas Outlet
- Work Surface Illumination Light
- Lighted Keyboard Tray
- File Storage
- Motorized Expandable/Retractable Frame
- 3 GCX Rails
- Wrap Around Handle
- Single Integrated Castor Brake
- Anesthetic Gas Scavenging System
- Expandable Work Surfaces
- Rotating Breathing Circuit
- Seven Auxiliary Power Outlets
- 4 USB Ports
- 5 Ethernet Connections
- 2 RS232 Serial Ports
- Electrical Isolation Transformer

Required Features

(**Note:** You must order items listed in this section.)

- Pipeline Inlet Hoses
- Anesthetic Gas Scavenging System and Hoses
- Market Specific Localization

Optional Features

- Anesthesia Gas Monitoring
- Fourth Cylinder Connection
- Bag Arm
- BleaseDatum Vaporizers
- Hand Rail Accessory Hook

Ordering Information for the Arkon System

You must order items from Sections 1A and 2B, 2C, 2D, 2E and 2F.

1. Arkon Anesthesia System – Base Machine

A. Master Configuration Part Number

Part No.	Description
Arkon-A1	Arkon Anesthesia System

2. Required Features

B. Gas Configurations
Select one.

Part No.	Description
Arkon-B1	3 Gas: Oxygen, Air, Nitrous
Arkon-B2	2 Gas: Oxygen, Air

C. Vent Drive Configuration
Select this option.

Part No.	Description
Arkon-C1	Arkon Vent with Selectable Drive Gas

D. Localization Options

Select one. **Note**: Not all localizations are currently available. Check with Global Marketing prior to ordering to ensure the localization is available.

Part No.	Color and Gas Sequence	Pipeline Connector	Language	Electrical Connection
Arkon-D1	ISO	NIST	English	BS1363 230V
Arkon-D2	ISO	NIST	English	CEE7/7 230V
Arkon-D3	ANSI	DISS	English	NEMA 5-15 110V
Arkon-D4	ISO	SIS	English	AS3112, 230V
Arkon-D5	ISO/ANSI	NIST	English	BS 546, 230V
Arkon-D6	ISO	NIST	French	CEE7/7, 230V
Arkon-D7	ISO	NIST	German	CEE7/7, 230V
Arkon-D8	ISO	NIST	Italian	CEE7/7, 230V
Arkon-D9	ISO	NIST	Spanish	CEE7/7, 230V
Arkon-D10	ANSI	DISS	Spanish	NEMA 5-1 5, 110V
Arkon-D11	ISO	DISS	Portuguese	CEE7/7, 230V
Arkon-D12	ANSI	DISS	Portuguese	NEMA 5-1 5, 110V
Arkon-D13	ISO	NIST	Greek	CEE7/7, 230V
Arkon-D14	ISO	NIST	Turkish	CEE7/7, 230V
Arkon-D15	ISO	NIST	Czech	CEE7/7, 230V
Arkon-D16	ISO	NIST	Polish	CEE7/7, 230V
Arkon-D17	ISO	NIST	Hungarian	CEE7/7, 230V
Arkon-D18	ISO	NIST	Russian	CEE7/7, 230V
Arkon-D19	ISO	NIST	Chinese	AS3112, 230V
Arkon-D20	ANSI	DISS	English	CEEE7/7, 230V
Arkon-D21	ANSI	DISS	Spanish	CEE7/7, 230V
Arkon-D22	ANSI	DISS	English	NEMA, 210-250V
Arkon-D23	ANSI	DISS	Spanish	NEMA, 210-250V
Arkon-D24	ISO	DISS	Canada/ English	NEMA 5-15 110V
Arkon-D25	ISO	NIST	Dutch	CEE7/7 230V

E. AGSS Kits

Select one.

Part No.	Description
Arkon-G1	AGSS Assembly Kit, Low Flow Evac
Arkon-G2	AGSS Assembly Kit, High Flow Evac
Arkon-G3	AGSS Assembly Kit, Passive Evac

F. Pipeline Hoses

See page 23 to order the gas, evacuation and vacuum hoses.

3. Options

Note: Not all options are currently available. Check with Global Marketing prior to ordering to ensure the option is available.

Part No.	Description
Arkon-E1	Gas Bench
Arkon-E2	Flexible bag Arm
Arkon-F1	Second Oxygen Cylinder
Arkon-F2	Mounting Kit, Large Cylinder
040-1664-00	External Suction Canister Bracket Kit
709-0494-00	External Suction Canister Bracket Kit w/ Vee
344-0275-00	Hand Rail Accessory Hook

A. CO2 Absorbent Canister for Arkon Systems Only

Part No.	Description
201-0281-00	Reusable CO2 Canister
015-0702-00	Intersurgical Pyramid CO2 Canister w/ Spherasorb (white to violet color change)
015-0701-00	Intersurgical Pyramid CO2 Canister w/ LoFloSorb (green to violet color change)

B. Nomoline Gas Sampling

Part No.	Description
103-0234-00	Nomoline Adapter (Reusable)
166-7085-00	Extension Tubing, 2 m (Not reusable)
166-7121-00	Extension Tubing, 3 m (Not reusable)
015-0683-00	Nomoline Sampling Line (Not reusable)

C. BleaseDatum Vaporizers
See page 25 to order the BleaseDatum Vaporizers.

4. Spares – Arkon Units Only

Part No.	Description
050-9053-00	Bellows
050-9025-00	Breathing Circuit Pressure Gauge
050-9022-00	Inspiratory Check Valve
050-9024-00	Expiratory Check Valve
050-1663-00	Pop Off Valve
438-0278-00	Suction Water Trap and Fitting
146-0145-00	Lithium battery
161-0236-01	5 m Power cord
161-0258-01	Desflurane Power Cord with Right-angled Plug
366-4062-00	Work Surface Light Dimmer Switch Knob
366-4055-01	Display Unit Comm Wheel
334-6181-00	Cover Labels for Display Unit Arm Screw
200-0511-00	Single Bottle Paint, Clinical White Touch-up
200-0512-00	Single Bottle Paint, Office Blue Touch-up

BleaseSirius System
with Blease700 or Blease900 Ventilators

The combination of a familiar anesthesia platform together with the advanced features of the Blease700/Blease900 Series Ventilator provides a total anesthesia solution, which is at home in any anesthesia environment.

We appreciate that in today's challenging environment clinicians are required to:

•   Manage an increasingly diverse range of patients.
•   Cope with demanding work flow.
•   Work with restricted budgets and resources.
•   Make the right decisions on equipment procurement.

By listening to our customers, the AD&V Division has responded in developing the BleaseSirius Anesthesia System. BleaseSirius is reliable, intuitive, cost effective and flexible, significantly raising the standard in anesthesia delivery and ventilation.

Basic Features
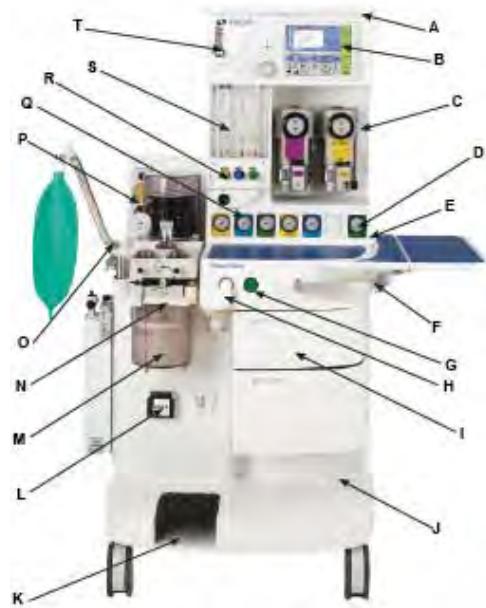
A	Monitor Shelf
B	Ventilator
C	Optional Vaporizers (BleaseDatum)
D	Cylinder/Pipeline Gauges
E	Pneumatic Unit (behind gauge panel)
F	Handle
G	Oxygen Flush
H	Common Gas Outlet (or A.C.G.O.) option
I	Drawer
J	Frame
K	Brake Pedal
L	Suction Receiver Jar
M	Absorber
N	Bag Arm Link Pipe
O	Adjustable Bag Arm
P	Suction Controller
Q	Main On/Off Switch
R	Flow Control Valves
S	Flowblock Assembly, Glass Tubes or Electronic Flowmeter display
T	Auxiliary Flowmeter

Standard Features

- Integrated Blease700 or 900 Series Ventilator
- 2-position Selectatec Backbar
- Simplex – Single Tube Flowmeter (O_2), with Backlighting
- O_2 Pipeline Inlet Fitting
- Integrated Suction Regulator
- Overhead Monitoring Shelf with Strap
- Up to 7 Gauges for Cylinders and Pipelines
- Common Gas Outlet
- Vaporizer-Illuminating Da-*LITES^{TM}*
- Work Surface Illumination Light
- Right & left GCX Rail
- Side-Mounted Grab Rails
- Emergency O_2 Flush
- Single Integrated Foot Brake
- Work Surface Mat
- 4 x Electrical Sockets
- 2 x Female V-Brackets
- Adult Patient Y-Circuit (disposable)
- BleaseSirius User Manual

Required Features

(**Note:** You must order items listed in this section.)

- N2O and/or Air Gas Pipeline Inlet
- CO_2 Circle Absorber, with or without CO_2 Bypass, Double or Single Absorber Canister
- Anesthetic Gas Scavenging System and hoses
- Drawer Options
- Market Specific Localization

Optional Features

- Electronic Flowmeter
- Cascade Flowmeter
- Up to 4 Cylinder Yokes
- Air or O_2 High Pressure Outlets
- Folding Side Shelf
- Auxiliary O_2 Flowmeter
- Absorber Bag Arm
- Auxiliary Common Gas Outlet
- Electrical Isolation Transformer
- Switched Electrical Outlets
- Gas Supply Hoses
- BleaseDatum Vaporizers
- Suction Jar
- Circuits, Masks, Connectors
- Large Cylinder Kit
- Pendant Mount

Blease700 / Blease900 Ventilator Features

Features	700 Series			900 Series		
	720	**730**	**750**	**950**	**970**	**990**
SCREEN SIZE	8.4"	8.4"	8.4"	8.4"	8.4"	8.4"
DISPLAY	Mono	Mono	Mono	Color	Color	Color
INTERFACE	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak
TIDAL VOLUME COMPENSATION						
FRESH GAS COMPENSATION	✓	✓	✓	✓	✓	✓
CONFIGURABLE PRESET OR MEASURED COMPLIANCE	✓	✓	✓	✓	✓	✓
VENT MODE						
VOLUME CONTROL	✓	✓	✓	✓	✓	✓
PRECISION PRESSURE CONTROL™			✓	✓	✓	✓
SIMV-VC + PSV and SIMV-PC+ PSV*		✓	✓	✓	✓	✓
ADVANCED PRESSURE SUPPORT™					✓	✓
VENT MONITORING						
OXYGEN	✓	✓	✓	✓	✓	✓
EXHALED VOLUME MONITORING	✓	✓	✓	✓	✓	✓
AIRWAY PRESSURE	✓	✓	✓	✓	✓	✓
PRESSURE WAVEFORM	✓	✓	✓	✓	✓	✓
FLOW WAVEFORM			✓	✓	✓	✓
SPIROMETRY LOOPS						✓
DATA OUTPUT	✓	✓	✓	✓	✓	✓

* Available in version 10.x and later ventilator software

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Ordering Information for the BleaseSirius System

You must order items from Sections 1, 2 and 3.

1. BleaseSirius Anesthesia System

Part No.	Description
14200100	BleaseSirius Anesthesia System

(Master configuration part number)

2. BleaseSirius with Blease700 or Blease900 Series Ventilator
Select Ventilator and Ventilator Software from Section A or B.

BleaseSirius with Blease700 ventilator series hardware & drive gas.

Note: Not all countries sell the BleaseSirius with the Blease700 Ventilator. Check with Global Marketing prior to ordering to ensure the configuration is available.

A.   Select one of the following:

Part No.	Description
14200700	BleaseSirius with 700 Series Ventilator - O_2 Drive
14200701	BleaseSirius with 700 Series Ventilator - Air Drive (Air gas supply must be ordered)

700 series software
Select one of the following:

Part No.	Description
14000016	720 Ventilator Software features
14000017	730 Ventilator Software features
14000018	750 Ventilator Software features
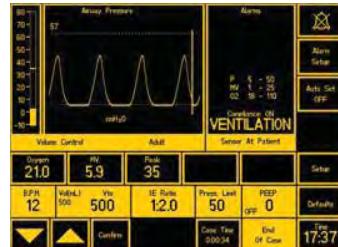
700-Series Software

B.   BleaseSirius with Blease900 ventilator series hardware & drive gas
Select one of the following:

Part No.	Description
14200900	BleaseSirius with 900 series vent - O_2 drive
14200901	BleaseSirius with 900 series vent - Air drive (Air gas supply must be ordered.)

900 series software
Select one of the following:

Part No.	Description
14000020	950 Ventilator Software features
14000021	970 Ventilator Software features
14000022	990 Ventilator Software features
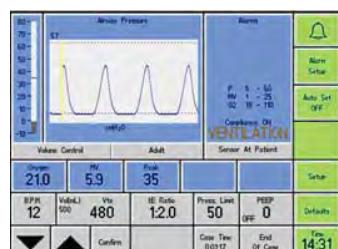
900-Series Software

3. Required Features

Select a feature from each section A, B, C, D and E.

A. Additional Gases – Flowmeter and Pipeline Inlet Fitting
   Select either 1 or 2 additional gases.

   Note: For 2-gas systems with the standard mechanical flowmeter, you can only order the O_2 and N_2O combination. You cannot order Air as the second gas. For 2-gas systems with the Electronic Flowmeter, you can only order the O_2 and Air combination. You cannot order N_2O as the second gas.

Part No.	Description
14201000	N_2O – NIST
14201001	Air – NIST
14201002	N_2O – DISS
14201003	Air – DISS
14200201	N_2O – SIS
14200202	Air – SIS

Pipeline Inlet Fittings

B. CO_2 Absorber
   Order 1 of following:

Part No.	Description
12200902	CAS II – 2 kg Double Absorber– without CO_2 bypass
12200903	CAS I – 1 kg Single Absorber– without CO_2 bypass
12200900	CAS II – 2 kg Double Absorber– with CO_2 bypass
12200901	CAS I – 1 kg Single Absorber– with CO_2 bypass

C. Anesthetic Gas Scavenging (AGSS) and Hoses
   You must order 1 AGSS and 1 hose (disposal or pipeline).

   Anesthetic Gas Scavenging Systems (AGSS)

Part No.	Description
14200018	Active open reservoir gas scavenging system – Hi Flow – 50 to120 LPM. DISS EVAC outlet connection. (Dedicated EVAC hose to wall, *does not include disposal hose to wall.*)
14200203	AGSS High Flow SIS Hi Flow – 50 to120 LPM. SIS connectors. (Dedicated EVAC hose to wall; *does not include disposal hose to wall.*)
14200015	Active open reservoir gas scavenging system – Low Flow (adjustable) 15 to 50 LPM. DISS EVAC outlet connection (Dedicated EVAC hose to wall; *does not include disposal hose to wall.*)
14200019	Active open reservoir gas scavenging system – Low Flow (adjustable) 15 to 50 LPM. DISS Vacuum outlet connection (Shares Vacuum hose to wall with vacuum supply for integrated suction regulator; *does not include hose to wall.*)
14200017	Passive Gas Scavenging System (*Does not include disposal hose to the wall.*)
14200109	30mm Exhaust Outlet – No AGSS Reservoir

   Hoses

Part No.	Description
12800101	Evacuation hose assembly DISS-BS probe 5m BleaseSirius
12800101BS	Evacuation hose assembly DISS-Bayonet probe 5m BleaseSirius
12800102	Evacuation hose assembly DISS 3m

   *Note: The information provided on the following page illustrates the various scavenging options. Not all variants may be available in all markets and colors may vary dependent on regional guidelines.

AGSS Kits

Part No.	Description
14200019*	**Low Flow AGSS kit, VAC based** Internal Kit includes: • All relevant internal pipework and is factory-installed in the BleaseSirius. External Kit includes: • Scavenging receiver column • Adapter plate • Mounting rail (normally fitted to the machine prior to shipment) • 22mm transfer hose
Note: If you order this kit, you must also order a suitable pipeline to connect the receiver to the hospital VAC system. See page 17 to select a pipeline, if needed.	
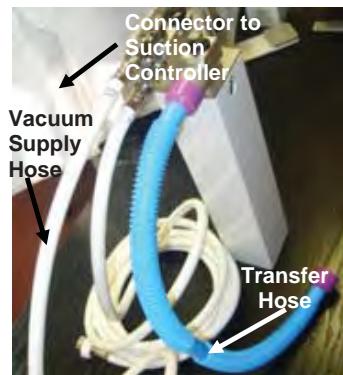
Low Flow AGSS External Kit, VAC-Based

Part No.	Description
14200015*	**Low Flow AGSS kit, EVAC based, includes:** Internal Kit • All relevant internal pipework and is factory-installed in the BleaseSirius. External Kit • Scavenging receiver column • Adapter plate • Mounting rail (normally fitted to the machine prior to shipment) • 22mm transfer hose
Note: If you order this kit, you must also order a suitable pipeline to connect the receiver to the hospital EVAC system. See page 23 to select a pipeline, if needed.	

Low Flow AGSS External Kit, EVAC-based

Part No.	Description
14200017*	**Passive AGSS kit, EVAC based, includes:** Internal Kit • All relevant internal pipework and is factory-installed in the BleaseSirius. External Kit • Passive assembly • Adapter plate • Mounting rail (normally fitted to the machine prior to shipment) • 22mm transfer hose
Note: If you order this kit, you must also order a 30mm disposal hose. See "Hoses" in Section C on the previous page.	
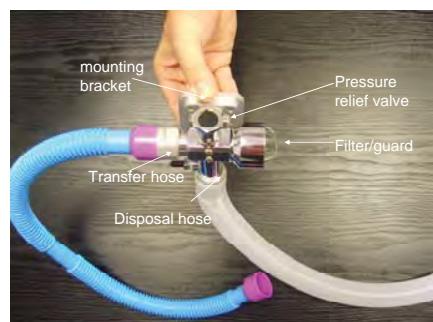
Passive AGSS External Kit, EVAC-based

***Note:** Not all products are available in all markets. Colors may vary.

| Part No.	Description
14200018* (*not shown*)	**High Flow AGSS kit, EVAC based, includes:** Internal Kit • All relevant internal pipework and is factory-installed in the BleaseSirius. • Scavenging receiver column • Adapter plate • Mounting rail (normally fitted to the machine prior to shipment) • 22mm transfer hose
Note: If you order this kit, you must also order a suitable pipeline to connect the receiver to the hospital EVAC system. See page 23 to select a pipeline, if needed.	

***Note:** Not all products are available in all markets; colors may vary.

D. Drawer Options

You must order either 1 standard or 1 deep drawer. Order one of the following drawer combinations:

Part No.	Description
14200009	1 x standard drawer
14200008	1 x deep drawer
14200010	2 x deep drawers
14200011	1 x standard &1 x deep drawers
14200012	2 x standard drawers
14200013	2 x standard & 1 x deep drawers

Drawer Options

E. Localization Options

You must select one of the following options:

Part No.	Color & Gas Sequence	Pipeline Inlet Connector	Language	Electrical Connection	Other
14203100	ISO	NIST	English	BS1363 – 210-250V	
14203101	ISO	NIST	English	CEE7/7-210-250V	
14203102	ANSI	DISS	English	NEMA 5-15-110-125V	
14203103	ISO	SIS	English	AS3112- 210-250V	AU Bag Port
14203104	ISO/ANSI	NIST	English	BS546 -210-250V	
041-1224-00 (USA only)	ANSI	DISS	English	NEMA 5-15-100-240V	
14203105	ISO	NIST	French	CEE7/7-210-250V	
14203106	ISO	NIST	German	CEE7/7-210-250V	
14203107	ISO	NIST	Italian	CEE7/7-210-250V	
14203108	ISO	NIST	Spanish	CEE7/7-210-250V	
14203109	ANSI	DISS	Spanish	NEMA 5-15-100V	
041-1220-00	ANSI	DISS	Spanish (Argentina)	NEMA 5-15-100V	
041-1218-00	ANSI	DISS	Spanish (Uruguay)	CEE7/7-100-240V	
041-1207-00	ISO	NIST	Portuguese	CEE7/7-100-240V	
14203110	ISO	DISS	Portuguese	CEE7/7-210-250V	
14203111	ANSI	DISS	Portuguese	NEMA 5-15-110-125V	
14203112	ISO	NIST	Greek	CEE7/7-210-250V	
14203113	ISO	NIST	Turkish	CEE7/7-210-250V	
14203114	ISO	NIST	Czech	CEE7/7-210-250V	
14203115	ISO	NIST	Polish	CEE7/7-210-250V	
14203116	ISO	NIST	Hungarian	CEE7/7-210-250V	
14203117	ISO	NIST	Russian	CEE7/7-210-250V	
14203118	ISO	NIST	Chinese	AS3112-210-250V	
14203119	ANSI	DISS	Japanese	NEMA 5-15-110-125V	
14203120	ANSI	DISS	English	CEE7/7-210-250V	
14203121	ANSI	DISS	Spanish	CEE7/7-210-250V	
14203122	ANSI	DISS	English	NEMA 210-250V	
14203123	ANSI	DISS	Spanish	NEMA 210-250V	
14203124	ISO	NIST	Swiss	SEV1011 230V	

4. Optional Features

A. Flowmeters

Cascade Mechanical Flowmeter

Note: This option is not available if you are selecting the Electronic Flowmeter option.

Part No.	Description
14201009	Cascade - Dual Tube Flowmeter – 3 Gas – O_2/N_2O/Air (Note: If you are ordering a 3-gas system with cascade, all flow tubes will be cascade.)
14201010	Cascade - Dual Tube Flowmeter – 2 Gas – O_2/N_2O

Cascade Flowmeter

Electronic Flowmeter (EFM)

Note: You cannot order EFM with a 700-series ventilator. Also, the O_2/N_2O configuration is not available for 2-gas EFM.

Part No.	Description
650-1580-00	EFM, 2-Gas, O_2-Air
650-1581-00	EFM, 3-Gas, O_2-N_2O-Air

2-Gas EFM Display

3-Gas EFM Display

B. Cylinder Yokes

Select a maximum of 2 per gas for a total of four yokes per machine.

Part No.	Description
14201015	O_2
14201016	N_2O
14201017	Air

Note: the pendant mount option will restrict the cylinder yokes to 2 yokes.

C. High Pressure Gas Outlet

Select one of the following options.

Part No.	Description
14201020	O_2 outlet – Mini Schrader
14201021	O_2 outlet – DISS
14201022	Air outlet – Mini Schrader

High Pressure Gas Outlet

D. Folding Side Shelf

Part No.	Description
14200016	Folding Side Shelf

Folding Side Shelf

E. Absorber Options

Part No.	Description
14200007	Bag Arm

F. Auxiliary O2 Flowmeter

Part No.	Description
14200006	Integrated O_2 Flowmeter

Auxiliary O2 Flowmeter

G. Auxiliary Common Gas Outlet

Part No.	Description
14200005	Auxiliary Common Gas Outlet

Auxiliary Common Gas Outlet

H. Electrical Options

Part No.	Description
14202001	110V - Isolation Transformer – electrically isolates integrated electrical outlets
14202002	230V - Isolation Transformer – electrically isolates integrated electrical outlets
14202000	Switched Electrical Outlet Option – factory installed (2 outlets switched)

I. Large Cylinder Attachment

Secondary Set of pipeline inlet connections & pipelines*

The maximum number of pipeline inlet connections is 2.

Part No.	Description
14201023	O_2 - NIST
14201024	N_2O - NIST
14201025	Air – NIST
14200111	Mounting Kit

* We recommend that you order one cylinder O_2 and one additional gas.

Large Cylinder Attachment

J. BleaseSirius Pendant Mount

Part No.	Description
14200117	BleaseSirius Pendant Mount Kit *(Compatible with Dräger, Maquet and Trumpf pendant systems)
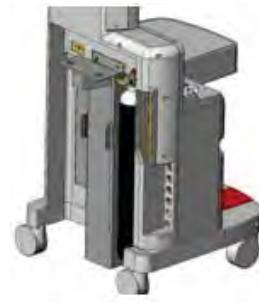
Notes: The BleaseSirius pendant mount option will restrict the number of cylinder yokes to 2 yokes. The Pendant Mount option is only available for purchase with a new BleaseSirius system. It is not available for retrofit in the field.

Pendant Mount

K. Pipeline Hoses (See the color code chart on the next page.)

Part No.	Gas and Length	Wall/machine – Color Code
023125	O_2 Pipeline Hose 5M	BS Probe/NIST - ISO
024125	N_2O Pipeline Hose 5M	BS Probe/NIST - ISO
025125	Air Pipeline Hose 5M	BS Probe/NIST - ISO
10700110	Vac. 8mm (5/16") ID - 5M	BS Probe/NIST - ISO
12800101	Disposal hose ass.– 5M	DISS/BS - Beige
12800102	Disposal Hose ass - 3M	DISS/BS - Beige
023123	O_2 Pipeline Hose 3M	BS Probe/NIST - ISO
024123	N_2O Pipeline Hose 3M	BS Probe/NIST - ISO
025123	Air Pipeline Hose 3M	BS Probe/NIST - ISO
10700109	Vac. 8mm (5/16") ID - 3M	BS Probe/NIST - ISO
10700030	O_2 Pipeline Hose 5M	DISS/DISS – ANSI
10700031	N_2O Pipeline Hose 5M	DISS/DISS – ANSI
10700032	Air Pipeline Hose 5M	DISS/DISS – ANSI
10700107	Vac. 8mm (5/16") ID - 5M	DISS (Hand-Tight)/DISS (Nut) – ANSI
10700097	EVAC. 8mm (5/16") ID - 5M	DISS (Hand-Tight)/DISS (Nut) – ANSI
10700021	O_2 Pipeline Hose 3M	DISS/DISS – ANSI
10700022	N_2O Pipeline Hose 3M	DISS/DISS – ANSI
10700023	Air Pipeline Hose 3M	DISS/DISS – ANSI
10700108	Vac. 8mm (5/16") ID - 3M	DISS (Hand-Tight)/DISS (Nut) – ANSI
10700098	EVAC. 8mm (5/16") ID - 3M	DISS (Hand-Tight)/DISS (Nut) – ANSI
10700115	O_2 Pipeline Hose 5M	Diamond/DISS – ANSI
10700116	N_2O Pipeline Hose 5M	Diamond/DISS – ANSI
10700117	Air Pipeline Hose 5M	Diamond/DISS – ANSI
10700118	Vac. 8mm (5/16") ID - 5M	Diamond/DISS – ANSI
10700119	EVAC. 8mm (5/16") ID - 5M	Diamond/DISS – ANSI
10700120	O_2 Pipeline Hose 5M	Chemetron/DISS – ANSI
10700121	N_2O Pipeline Hose 5M	Chemetron/DISS – ANSI
10700122	Air Pipeline Hose 5M	Chemetron/DISS – ANSI
10700123	Vac. 8mm (5/16") ID - 5M	Chemetron/DISS – ANSI
10700124	EVAC. 8mm (5/16") ID - 5M	Chemetron/DISS – ANSI
10700125	O_2 Pipeline Hose 5M	Puritan/DISS – ANSI
10700126	N_2O Pipeline Hose 5M	Puritan/DISS – ANSI
10700127	Air Pipeline Hose 5M	Puritan/DISS – ANSI
10700128	Vac. 8mm (5/16") ID - 5M	Puritan/DISS – ANSI
10700129	EVAC. 8mm (5/16") ID - 5M	Puritan/DISS – ANSI
10700027	O_2 Pipeline Hose 5M	Draeger/NIST - ISO
10700028	N_2O Pipeline Hose 5M	Draeger/NIST - ISO
10700029	Air Pipeline Hose 5M	Draeger/NIST - ISO
10700112	Vac. 8mm (5/16") ID - 5M	Draeger/NIST - ISO
10700111	Vac. 8mm (5/16") ID - 3M	Draeger/NIST - DIN
12400541	O_2 Pipeline Hose 5M	Air Liquide/NIST - ISO
12400542	N_2O Pipeline Hose 5M	Air Liquide/NIST - ISO
12400543	Air Pipeline Hose 5M	Air Liquide/NIST - ISO
10700114	Vac. 8mm (5/16") ID - 5M	Air Liquide/NIST - ISO
10700060	O_2 Pipeline Hose 3M	Air Liquide/NIST - ISO
10700061	N_2O Pipeline Hose 3M	Air Liquide/NIST - ISO
10700062	Air Pipeline Hose 3M	Air Liquide/NIST - ISO

BleaseSirius Pipeline Hoses

Part No.	Gas and Length	Wall/machine – Color Code
015-0684-00	O$_2$ Pipeline Hose 3mm	AGA-Style Connector ISO
015-0685-00	O$_2$ Pipeline Hose 5mm	AGA-Style Connector ISO
015-0686-00	N$_2$O Pipeline Hose 3mm	AGA-Style Connector ISO
015-0687-00	N$_2$O Pipeline Hose 5mm	AGA-Style Connector ISO
015-0688-00	Air Pipeline Hose 3mm	AGA-Style Connector ISO
015-0689-00	Air Pipeline Hose 5mm	AGA-Style Connector ISO

Chinese, ANSI and ISO Gas Color Codes			
	Chinese	**ANSI**	**ISO**
Oxygen	**Blue**	**Green**	White
Nitrous Oxide	**Silver Gray**	**Blue**	**Blue**
Medical Air	**Black**	**Yellow**	**Black**
Suction	**N/A**	White	**Yellow**
Evacuation	**N/A**	**Purple**	**Beige**

L. BleaseSirius Accessories

Part No.	Description
11400102	Suction jar
54100035	Pediatric Y Piece Breathing Circuit (Disposable)
M1050-4	Adult Patient Y Circuit (Re-usable)
12500011	Adult Bellows Assembly (incl. base)
10110058	Pediatric Bellows Conversion Kit

M. BleaseDatum Vaporizers

Part No.	Description
13012118	Isoflurane Selectatec Key Filler Datum Vaporizer
13012218	Isoflurane Selectatec Standard Filler Datum Vaporizer
13022118	Halothane Selectatec Key Filler Datum Vaporizer
13022218	Halothane Selectatec Standard Filler Datum Vaporizer
13032118	Enflurane Selectatec Key Filler Datum Vaporizer
13032218	Enflurane Selectatec Standard Filler Datum Vaporizer
13062118	Sevoflurane Selectatec Key Filler Datum Vaporizer
13062218	Sevoflurane Selectatec Standard Filler Datum Vaporizer
13600608	Vaporizer storage bracket

(**Note:** Key fill vaporizers are not provided with bottle adaptors. If required, these adaptors must be ordered separately.)

BleaseDatum Vaporizers

N. Key Filler Bottle Adaptors

Part No.	Description
10010001	Isoflurane
10020001	Halothane
10030001	Enflurane
10040001	Sevoflurane

BleaseFocus System

Focus-A1 System
with *optional* Blease700
or Blease900 Ventilator

Focus-A2 System
with *mandatory* Blease900
Ventilator

The combination of a conventional design together with an open modular platform allows the configuration of an upgradable system for every anesthesia environment and budget.

The BleaseFocus offers the following key features:
- Choice of Ventilator
- Upgradable and modular design
- Choice of monitoring and mounting
- Familiar layout
- Conventional cascade flowtubes
- Low flow ready
- Easy to clean and maintain

Basic Features
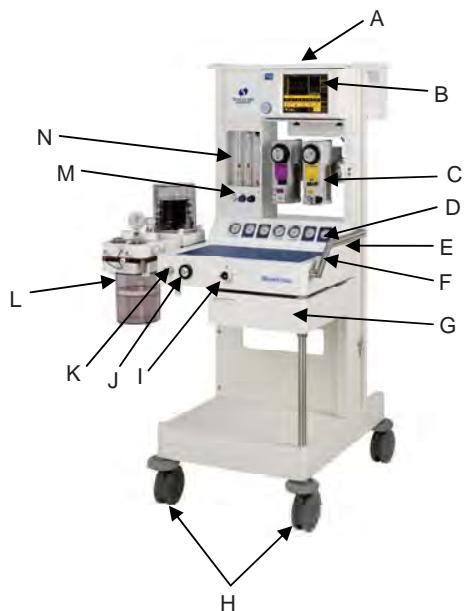
Focus-A1 System

A	Monitor Shelf
B	Optional Ventilator & Integration Cover
C	Optional Vaporizer (BleaseDatum)
D	Cylinder/Pipeline Gauges
E	Pneumatic Circuit (behind gauges panel)
F	Handle
G	Drawer
H	Castor Brakes
I	On/Off Switch (for Machine & Ventilator
J	Oxygen Flush
K	Common Gas Outlet
L	Optional CAS Absorber
M	Flow Control Valves with Hypoxic Guard
N	Flowblock Assembly
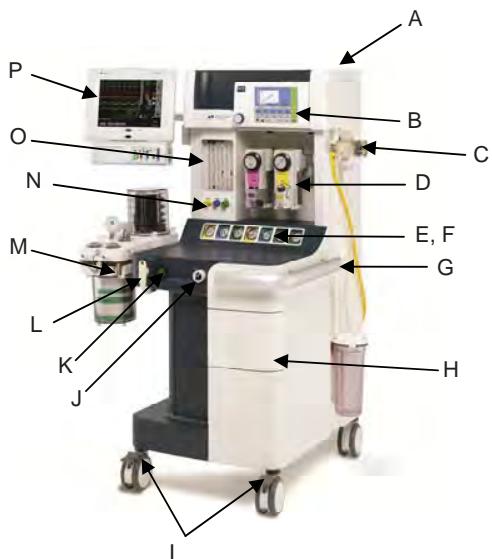
Focus-A2 System

A	Monitor Shelf
B	Ventilator & Integration Cover
C	Optional Suction Unit + Canister
D	Optional Vaporizer (BleaseDatum)
E	Cylinder/Pipeline Gauges
F	Pneumatic Circuit (behind gauges panel)
G	Handle
H	Drawer
I	Castor Brakes
J	On/Off Switch (for Machine & Ventilator)
K	Oxygen Flush
L	Common Gas Outlet with Connection Hose
M	CAS Absorber
N	Flow Control Valves with Hypoxic Guard
O	Flowblock Assembly
P	Optional Patient Monitor

Standard Features

- Integrated Blease700 or Blease900 ventilator (standard on Focus-A2 systems only)
- 2 or 3 gas system
- CAS I or II circle absorber (standard on Focus-A2 systems only)
- Selectatec (2 position)
- Simplex flowmeter
- Overhead monitoring shelf
- Up to 7 gauges for cylinders or pipeline hoses
- Common gas outlet
- Emergency 02 flush
- Independently braked front castors
- 2 Drawers (standard on Focus-A2 systems only)
- 2 side mounted grab rails
- Work surface mat
- 4 x female V brackets
- BleaseFocus user manual
- Single on/off for ventilator and frame

Optional Features

- Integrated Blease700 or Blease900 ventilator (optional for Focus-A1 systems only)
- Integrated 0_2 monitor (optional for Focus-A1 systems only)
- CAS I or II circle absorber (optional for Focus-A1 systems only)
- Cascade flow meters
- BleaseDatum vaporizers
- Up to 4 drawers (optional for Focus-A1 systems only)
- Suction regulator
- AGSS (120LPM – high flow)
- Electrical sockets
- Air or 0_2 High pressure outlet
- Absorber bag arm
- Pendant mount* (optional for Focus-A1 systems only)

Integrated O_2 Monitor
(Option)

AGSS (120 LPM – High Flow)

Ordering Information for BleaseFocus

You must order items from Sections A through M, unless otherwise noted.

A. BleaseFocus Anesthesia System

Part No.	Description
Focus-A1	BleaseFocus Anesthesia System, Model 1 (Master configuration part number)
Focus-A2	BleaseFocus Anesthesia System, Model 2 (Master configuration part number)

B. Ventilator Integration Options

For Focus-A1 systems, if you wish to have a ventilator, select option Focus-B1. Because the ventilator is mandatory for Focus-A2 systems, be sure to order option Focus-B1. If you wish to have an air drive connection for either system (Focus-A1 or Focus-A2), select option Focus-B2.

Part No.	Description
Focus-B1	Blease700/900 Ventilator Shelf with O_2 Drive Connection
Focus-B2	Air Drive Connection
13500122	Storage Shelf for Focus-A1 only (Order this shelf if you are not ordering a ventilator at this time, but want storage space.)

Note: If you have selected option Focus B1 or Focus B2 for a Focus-A1 system, you must order the ventilator separately. Select the appropriate ventilator and ventilator localization from the options listed on the following pages, then continue with Section C.

Note: For Focus-A2 systems, the ventilator is mandatory. You must select the type of ventilator and ventilator localization, then continue with Section C.

Note: If you order a Focus-A1 system without a ventilator, you cannot fully integrate a ventilator retrospectively.

Blease700 / Blease900 Ventilator Features

Features	700 Series			900 Series		
	720	730	750	950	970	990
SCREEN SIZE	8.4"	8.4"	8.4"	8.4"	8.4"	8.4"
DISPLAY	Mono	Mono	Mono	Color	Color	Color
INTERFACE	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak
TIDAL VOLUME COMPENSATION						
FRESH GAS COMPENSATION	✓	✓	✓	✓	✓	✓
CONFIGURABLE PRESET OR MEASURED COMPLIANCE	✓	✓	✓	✓	✓	✓
VENT MODE						
VOLUME CONTROL	✓	✓	✓	✓	✓	✓
PRECISION PRESSURE CONTROL			✓	✓	✓	✓
SIMV-VC + PSV and SIMV-PC + PSV*		✓	✓	✓	✓	✓
ADVANCED PRESSURE SUPPORT™					✓	✓
VENT MONITORING						
OXYGEN	✓	✓	✓	✓	✓	✓
EXHALED VOLUME MONITORING	✓	✓	✓	✓	✓	✓
AIRWAY PRESSURE	✓	✓	✓	✓	✓	✓
PRESSURE WAVEFORM	✓	✓	✓	✓	✓	✓
FLOW WAVEFORM			✓	✓	✓	✓
SPIROMETRY LOOPS						✓
DATA OUTPUT	✓	✓	✓	✓	✓	✓

* Available in 10.x and later ventilator software

Ordering Information for 700/900-Series Ventilators

If you have ordered the option, Focus B1 or Focus B2, select the Ventilator Hardware and Software for your BleaseFocus from Section I (700-Series) or Section II (900-Series) below.

I. 700 Series Ventilator Hardware and Drive Gas

Part No.	Description
14000010	700-Series Ventilator Hardware with O$_2$ Drive Gas
14000011	700-Series Ventilator Hardware with Air Drive Gas (Air gas supply required)

700-Series Software

Part No.	Description
14000016	720 Ventilator Software
14000017	730 Ventilator Software
14000018	750 Ventilator Software
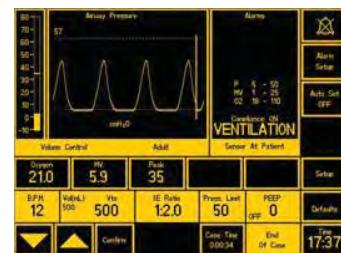
700-Series Software

II. 900 Series Ventilator Hardware and Drive Gas

Part No.	Description
14000012	900-Series Ventilator Hardware with O$_2$ Drive Gas
14000013	900-Series Ventilator Hardware with Air Drive Gas (Air gas supply required)

900-Series Software

Part No.	Description
14000020	950 Ventilator Software
14000021	970 Ventilator Software
14000022	990 Ventilator Software

900-Series Software

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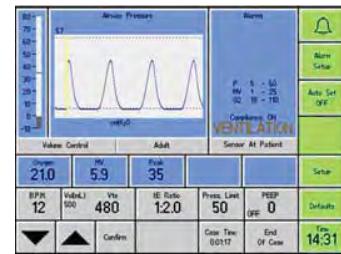
C. Gases – Flowmeter & Pipeline Inlet Fitting

You must select one of the following options.

Part No.	Description
Focus-C1	O_2 NIST
Focus-C2	O_2 DISS

Additional gases – You may choose 1 or 2 additional gases.

BleaseFocus Pipeline
Inlet Fittings

NIST

Part No.	Description
Focus-C3	N_2O NIST flowmeter and pipeline connections
Focus-C5	Air NIST flowmeter and pipeline connections

DISS

Part No.	Description
Focus –C4	N_2O DISS flowmeter and pipeline connections
Focus –C6	Air DISS flowmeter and pipeline connections

D. Country Localization Kits

You must select one of the following options.

Note: If the Focus system will include a ventilator, you must also select a ventilator localization kit.

Part No.	Color & Gas sequence	Pipeline inlet Connector	Language
FOCUS-D1	ISO, ONA	NIST	ENGLISH, ISO
FOCUS-D2	ANSI ANO	DISS	ENGLISH, ANSI
FOCUS-D3	Modified ISO ANO	NIST	ENGLISH, ISO
FOCUS-D4	ISO, ONA	NIST	FRENCH
FOCUS-D6	ISO, ONA	NIST	ITALIAN
FOCUS-D7	ISO, ONA	NIST	SPANISH
FOCUS-D8	ANSI, ANO	DISS	SPANISH
FOCUS-D12	ISO, ONA	NIST	TURKISH
FOCUS-D14	ISO, ONA	NIST	POLISH
FOCUS-D16	ISO, ONA	NIST	RUSSIAN
FOCUS-D17	ISO, ONA	NIST	CHINESE

Options for the BleaseFocus

E. Cascade Flow Tubes

Choose the number of cascade flow tubes. Select only 1 tube per gas type.

	Part No.	Description
Cascade	FOCUS-E1	Add O_2 Cascade
Cascade	FOCUS-E2	Add N_2O Cascade
Cascade	FOCUS-E3	Add Air Cascade

F. Cylinder Yokes

Choose the amount of cylinder yokes required. You may select a maximum of two yokes per gas, except for air, which is one yoke. The total may not exceed four yokes.

If you will order the pendant mount for the Focus-A1, then you may select only one yoke.

Part No.	Description
FOCUS-F1	Add O_2 Yoke
FOCUS-F2	Add Air Yoke
FOCUS-F3	Add N_2O Yoke

G. Additional High Pressure Outlet (not the ventilator drive connector)

The high pressure outlet is located at the bottom left of the work surface. You may order only one of the options listed below

Part No.	Description
FOCUS-G1	ADD O_2 MINI SCHRAEDER OUTLET
FOCUS-G2	ADD O_2 DISS OUTLET
FOCUS-G3	ADD AIR MINI SCHRAEDER OUTLET

Additional High Pressure Outlet

H. Drawer Options

Note: Because two drawers are standard for Focus-A2 systems, you do not need to order drawers for Focus-A2 systems.

You may select a maximum of 4 drawers for Focus-A1 systems. Always select PN 1350006 for the first drawer. Use PN 11901674 for additional drawers.

Part No.	Description
13500006	DRAWER, KIT, RIGHT, 1ST FOCUS Drawer
11901674	DRAWER, RIGHT, EXTRA FOCUS Drawer

J. CAS I/II Absorber Option for Focus-A1 Systems

Note: A CAS I/II Absorber is mandatory for Focus-A2 systems. You must select the desired model from the list below.

Select one absorber.

Part No.	Description
FOCUS-J1	CAS II ABSORBER, BYPASS, 2KG
FOCUS-J2	CAS I ABSORBER, BYPASS, 1KG
FOCUS-J3	CAS II ABSORBER, NO BYPASS, 2KG
FOCUS-J4	CAS I ABSORBER, NO BYPASS, 1KG

K. Secondary Pipeline Inlets (Optional)

Select a maximum of one secondary inlet per gas.
The maximum number of gases is 2. You may order two O_2 gases, if desired.

Part No.	Description
FOCUS-K1	Add Secondary O_2 NIST Pipe
FOCUS-K3	Add Secondary AIR NIST Pipe
FOCUS-K5	Add Secondary N_2O NIST Pipe

L. Oxygen Monitor (optional)

This option is not required if you have selected a 700/900 Ventilator.

Note: Because the 700/900 Ventilator is mandatory on Focus-A2 systems, you cannot order an O_2 Monitor for Focus-A2 systems.

Part No.	Description
FOCUS-L1	O_2 Monitor

Oxygen Monitor
Option

M. Accessories

Note: The M1 option is only available for Focus-A1 systems. It is not available for Focus-A2**.**

Notes: If PN13500115 is ordered, you cannot order Focus-M2 and Focus-M7.
If Focus-M2 is ordered, you cannot order PN13500115 and Focus-M7.
If Focus-M7 is ordered, you cannot order PN13500115 or Focus-M2

Part No.	Description
11900026	Monitor Strap
13500115	Accessory block
14200007	Absorber Bag Arm
FOCUS-M1	Straight V-Brackets
FOCUS-M2	90 degree angle V-Brackets
FOCUS-M3	NEMA Electrical Sockets
FOCUS-M4	BS1363 Electrical Sockets
FOCUS-M5	CEE7/7 Electrical Sockets
FOCUS-M6	Chinese Electrical Sockets
FOCUS-M7	GCX Rail left/right
FOCUS-M8	Ventilator Noise Reduction Kit, available for USA only
12200423	Adult Absorber Detachables (reusable) includes: • Fresh gas hose • Reusable adult circuit • 2 liter re-breathing bag
12200424	Pediatric Absorber Detachables (disposable) includes: • Fresh gas hose • Disposable pediatric circuit
10400001	Adult Y Circuit & 2L Bag (Disposable)
12500011	Adult Bellows Assembly (includes base)
10110058	Pediatric Bellows Conversion Kit
11400045	Complete High Suction Kit
11400047	Complete Venturi Suction Kit
12800000	AGSS (120 LPM – high flow) & Mounting
11300030	Active open reservoir gas scavenging (adjustable 15 to 50 LPM – low flow), DISS vacuum outlet connection (Shares vacuum hose to wall with vacuum supply for integrated suction regulator; does not include hose to wall.)
11300029	Passive anesthetic gas scavenging system
709-0478-00	30mm AGSS Hose (blue/purple), 670mm Long
13500400	Auxiliary O2 Flowmeter with Hose, ANSI
13500324	Auxiliary O2 Flowmeter with Hose, ISO

N. Pendant Mount

This mount is compatible with the appropriate Trumpf and Maquet pendant systems.

Part No.	Description
13500104	Pendant Mount

Notes: The BleaseFocus pendant mount option restricts the number of cylinder yokes to a maximum of one yoke.

The Pendant Mount option is only available for purchase with a new Focus-A1 system. It is not available for retrofit in the field.

The Pendant Mount is not available for Focus-A2 systems.

O. Pipeline Hoses

Part No.	Description	
	Gas and Length	**Wall/Machine – Color Code**
023125	O_2 Pipeline Hose 5M	BS Probe/NIST - ISO
024125	N_2O Pipeline Hose 5M	BS Probe/NIST - ISO
025125	Air Pipeline Hose 5M	BS Probe/NIST - ISO
10700030	O_2 Pipeline Hose 5M	DISS/DISS - ANSI
10700031	N_2O Pipeline Hose 5M	DISS/DISS - ANSI
10700032	Air Pipeline Hose 5M	DISS/DISS - ANSI
10700027	O_2 Pipeline Hose 5M	Draeger/NIST - ISO
10700028	N_2O Pipeline Hose 5M	Draeger/NIST - ISO
10700029	Air Pipeline Hose 5M	Draeger/NIST - ISO
12400541	O_2 Pipeline Hose 5M	Air Liquide/NIST - ISO
12400542	N_2O Pipeline Hose 5M	Air Liquide/NIST - ISO
12400543	Air Pipeline Hose 5M	Air Liquide/NIST – ISO
12800011	Transparent Scavenging Hose 5m for use with BleaseFocus	
015-0684-00	O_2 Pipeline Hose 3M	AGA-Style Connector - ISO
015-0685-00	O_2 Pipeline Hose 5M	AGA-Style Connector - ISO
015-0686-00	N_2O Pipeline Hose 3M	AGA-Style Connector - ISO
015-0687-00	N_2O Pipeline Hose 5M	AGA-Style Connector - ISO
015-0688-00	Air Pipeline Hose 3M	AGA-Style Connector - ISO
015-0689-00	Air Pipeline Hose 5M	AGA-Style Connector - ISO

P. BleaseDatum Vaporizers

Part No.	Description
13012118	Isoflurane Selectatec Key Filler Datum Vaporizer
13012218	Isoflurane Selectatec Standard Filler Datum Vaporizer
13022118	Halothane Selectatec Key Filler Datum Vaporizer
13022218	Halothane Selectatec Standard Filler Datum Vaporizer
13032118	Enflurane Selectatec Key Filler Datum Vaporizer
13032218	Enflurane Selectatec Standard Filler Datum Vaporizer
13062118	Sevoflurane Selectatec Key Filler Datum Vaporizer
13062218	Sevoflurane Selectatec Standard Filler Datum Vaporizer

Note: Key fill vaporizers are not provided with bottle adaptors. If required, key fill adaptors must be ordered separately.

BleaseDatum Vaporizers

Q. Key Filler Bottle Adaptors

Part No.	Description
10010001	Isoflurane
10020001	Halothane
10030001	Enflurane
10040001	Sevoflurane

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Blease700 / Blease900 Ventilators
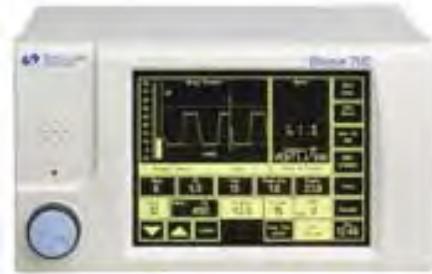
Blease700-Series Ventilator

Blease900-Series Ventilator

The Blease700/900 series ventilators can easily adapt to user and patient needs. Ease of use, consistency, familiarity and overall speed and safety of pre-use testing are testimony of their popularity. Moreover, performance capabilities, precision and unique modes of ventilation in the form of *Precision Pressure Control Ventilation* and *Advanced Pressure Support* provide a competitive edge.

All ventilators are supplied with adult bellows assembly, power cord, drive gas hose, pressure sensing line and connector.

Blease700/900Ventilator Features

	700 Series			900 Series		
Features	**720**	**730**	**750**	**950**	**970**	**990**
SCREEN SIZE	8.4"	8.4"	8.4"	8.4"	8.4"	8.4"
DISPLAY	Mono	Mono	Mono	Color	Color	Color
INTERFACE	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak
TIDAL VOLUME COMPENSATION						
FRESH GAS COMPENSATION	✓	✓	✓	✓	✓	✓
CONFIGURABLE PRESET OR MEASURED COMPLIANCE	✓	✓	✓	✓	✓	✓
VENT MODE						·
VOLUME CONTROL	✓	✓	✓	✓	✓	✓
PRECISION PRESSURE CONTROL	·	·	✓	✓	✓	✓
SIMV-VC + PSV and SIM-PC +PSV *	·	✓	✓	✓	✓	✓
ADVANCED PRESSURE SUPPORT™	·	·	·	·	✓	✓
VENT MONITORING						
OXYGEN	✓	✓	✓	✓	✓	✓
EXHALED VOLUME MONITORING	✓	✓	✓	✓	✓	✓
AIRWAY PRESSURE	✓	✓	✓	✓	✓	✓
PRESSURE WAVEFORM	✓	✓	✓	✓	✓	✓
FLOW WAVEFORM	·	·	✓	✓	✓	✓
SPIROMETRY LOOPS	·	·	·	·	·	✓
DATA OUTPUT	✓	✓	✓	✓	✓	✓

* Available in 10.x and later ventilator software

## Ordering Information for 700/900-Series Ventilators

Select Ventilator Hardware and Software from Section A (700-Series) or Section B (900-Series).
Select the appropriate localization kit from Section C.

A. 700 Series Ventilator Hardware and Drive Gas

Part No.	Description
14000010	700-Series Ventilator Hardware with O_2 Drive Gas
14000011	700-Series Ventilator Hardware with Air Drive Gas (Air gas supply required)

700-Series Software

Part No.	Description
14000016	720 Ventilator Software
14000017	730 Ventilator Software
14000018	750 Ventilator Software
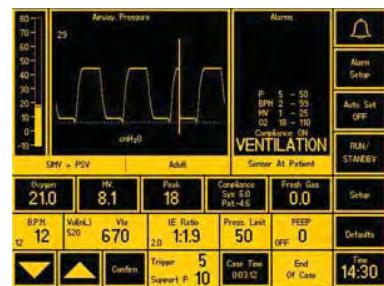
700-Series Software

B. 900 Series Ventilator Hardware and Drive Gas

Part No.	Description
14000012	900-Series Ventilator Hardware with O_2 Drive Gas
14000013	900-Series Ventilator Hardware with Air Drive Gas (Air gas supply required)

900-Series Software

Part No.	Description
14000020	950 Ventilator Software
14000021	970 Ventilator Software
14000022	990 Ventilator Software
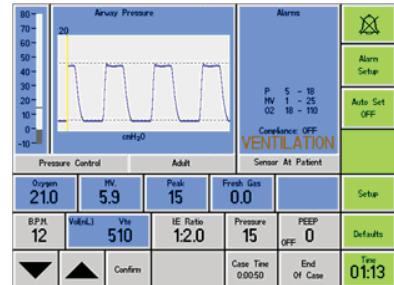
900-Series Software

C. Ventilator Localization Kit

Note: If you are integrating the ventilator with a BleaseFocus system, order the localization kit from the BleaseFocus localization options on page 32 of this catalog.

Part No.	Color and Gas Sequence	Pipeline Inlet Connector	Language	Electrical Connection
14000100	ISO	NIST	English	BS1363-100-240V
14000101	ISO	NIST	English	CEE7/7-100-240V
14000102	ANSI	DISS	English	NEMA 5-15-100-240V
14000103	ISO	NIST	English	AS3112-100-240V
14000104	ISO/ANSI	NIST	English	BS546-100-240V
041-1222-00 (UK 700/900 Standalone)	ISO	O2 NIST	English	BS1363-100-240V
041-1223-00 (UK 700/900 Standalone)	ISO	Air NIST	English	BS1363-100-240V
041-1224-00 (900 for USA)	ANSI	DISS	English	NEMA 5-15-100-240V
14000105	ISO	NIST	French	CEE7/7-100-240V
14000106	ISO	NIST	German	CEE7/7-100-240V
14000107	ISO	NIST	Italian	CEE7/7-100-240V
14000108	ISO	NIST	Spanish	CEE7/7-100-240V
14000109	ANSI	DISS	Spanish	NEMA 5-15-100-240V
041-1219-00	ANSI	DISS	Spanish (Argentina)	NEMA 5-15-100-240V
041-1218-00	ANSI	DISS	Spanish (Uruguay)	CEE7/7-100-240V
041-1207-00	ISO	NIST	Portuguese	CEE7/7-100-240V
14000110	ISO	DISS	Portuguese	CEE7/7-100-240V
14000111	ANSI	DISS	Portuguese	CEE7/7-100-240V
14000112	ISO	NIST	Greek	CEE7/7-100-240V
14000113	ISO	NIST	Turkish	CEE7/7-100-240V
14000114	ISO	NIST	Czech	CEE7/7-100-240V
14000115	ISO	NIST	Polish	CEE7/7-100-240V
14000116	ISO	NIST	Hungarian	CEE7/7-100-240V
14000117	ISO	NIST	Russian	CEE7/7-100-240V
14000118	ISO	NIST	Chinese	AS3112-100-240V
14000119	ANSI	DISS	Japanese	NEMA 5-15-100-240V
14000500	ANSI	DISS	English (Korea)	CEE7/7-100-240V

Note: DISS air drive is not currently available.

Blease2200 Pneumatically Driven Anesthesia Ventilator - MRI

The Blease 2200 is an MRI compatible, pneumatically driven, time-cycled volume ventilator. It can be used with a circle system or a semi closed Bain-type coaxial or Jackson Rees pediatric circuit.

Blease2200 Ventilator Features

- Separate inspiratory/expiratory time and flow rate control
- Integrated pressure relief valve
- Manometer gauge
- 30mm scavenging port

Ordering Information for the Blease2200 Ventilator

Blease2200 Ventilator

Part No.	Description
12700010	2200 Ventilator
12700012	2200 Ventilator & Disconnect Alarm

Note: You must order the bellows assembly as a separate item, if required.

Bellows Assemblies for Blease2200 Ventilator

Part No.	Description
12500011	Adult Bellows Assembly
10110058	Pediatric Bellows Conversion Kit

Blease 2200 Ventilator

2200 Ventilator Disconnect Alarm

BleaseGenius MRI

The BleaseGenius MRI is the anesthesia machine dedicated to the MRI environment. It can be used in close proximity to the MRI scanner without adverse effects (up to the 1,000 Gauss line). The system is certified by Siemens AG and Phillips for its proven compatibility with their range of open, closed and interventional MRI scanners for 1.5 and 3 Tesla.

Standard Features

- Made entirely from non-ferrous metals & can be used safely up to the 1,000 gauss line
- Certified to 1.5 and 3 Tesla
- 2 or 3 gas system (O_2 & N_2O as standard)
- 1 or 2 station Selectatec backbar
- Simplex flowmeters
- Knock-resistant rotameter control guards
- Up to 5 gauges for cylinders & pipelines
- BleaseGenius MRI user manual

Optional Features

- 2200 MRI compatible ventilator
- Mounting facility for 2200 ventilator
- CAS I or II MRI circle absorber
- Mounting for MRI absorber
- Optional integrated or remote cylinder box
- Optional oxygen monitor
- Cascade flowmeter

BleaseGenius MRI System

Ordering Information for the BleaseGenius MRI

Select the Base System (A1 or A2).

A. Base System Options

Select one of the following options (includes 4 V-brackets, Oxygen and N_2O Flowmeters).

Note: Pipelines must be ordered separately.

BleaseGenius MRI Base System	Description
GENIUS-A1	Single Station Backbar
GENIUS-A2	Two Station Backbar

B. Ventilator Options

Note: You must order the bellows assembly as a separate item, if required. See page 41.

Part No.	Description
GENIUS-B1	2200 Ventilator
GENIUS-B2	2200 Alarm Module (To select this option, you must also select the GENIUS-B1 option.)
GENIUS-H2	HP Outlet for Ventilator Connection (You must order this option when ordering the Genius-B1 option, ISO configuration.)
GENIUS-H3	HP Outlet for Ventilator Connection (You must order this option when ordering the Genius-B1 option, ANSI configuration.)

C. Air Options

Part No.	Description
GENIUS-C1	Add Air NIST
GENIUS-C2	Add Air DISS

D. Country Localization Kits

Choose one of the following options.

Part No.	Description
GENIUS-D1	ISO, NIST, English
GENIUS-D2	ANSI, DISS, English
GENIUS-D3	ANSI, DISS, Spanish
GENIUS-D4	ISO, NIST, ANO, English
GENIUS-D5	ISO, NIST, ANO, Italian
GENIUS-D6	ISO, NIST, ANO, Portuguese
GENIUS-D7	ISO, NIST, ANO, Russian

E. Cascade Flow Tubes

Choose one of the following options.

Part No.	Description
GENIUS-E1	Single Flow Tube- Air, plus Cascade O_2 and N_2O (5 tube configuration)
GENIUS-E2	Cascade O_2 and N_2O (4 tube configuration)

F. Cylinder Yokes

Choose one of the following options.

Part No.	Description
GENIUS-F1	Add O_2 and N_2O integrated cylinders
GENIUS-F2	Add O_2 and N_2O remote cylinder box

G. Mounting

If this option is not selected, the machine will ship as a wall-mount unit.

Part No.	Description
GENIUS-G1	Add Trolley

H. Optional Features

Part No.	Description
GENIUS-H1	Integrated Oxygen Monitor
GENIUS-H2	O2 NIST High Pressure Outlet for Ventilator Connection (You must select one, if you are ordering a ventilator with ISO configuration.)
GENIUS-H3	O2 DISS High Pressure Outlet for Ventilator Connection (You must select one, if you are ordering a ventilator with ANSI configuration.)
GENIUS-H4	Air High Pressure Outlet

Note: You may choose up to two high pressure outlets total.

I. MRI Circle Absorbers

Part number includes absorber mounting bracket and MRI-compatible manometer.

Part No.	Description
GENIUS-I2	Absorber, Bypass, 1 Kg (includes 1 absorber mounting bracket)
GENIUS-I4	Absorber, without Bypass, 1 Kg (includes 1 absorber mounting bracket)
1220518	Additional CAS absorber mounting bracket (includes Adult disposable Y circuit)
54300036	Additional Manometer gauge (MRI compatible)

J. Accessories

Part No.	Description
12500011	Adult Bellows Assembly (incl. base)
10110058	Pediatric Bellows Conversion Kit
12400130	Monitor Shelf
12401103	Wide Monitor Shelf (only available with a two-station vaporizer backbar)
12200424	Pediatric Absorber Detachables (Disposable)
841006P	Magill Hook
10300003	Peep Valve
12800000	MRI-compatible AGSS system complete with 3m disposal hose, assembly and PR valve (120LPM – high flow)
11400075	MRI-compatible High Suction
650-1594-00	Suction Jar

BleaseDatum Vaporizers

Standard Features

- Push-to-turn control dial on front face
- Fully compensated against variations in flow rate, temperature and pressure effects
- MRI-compatible
- Ten annual major service intervals (excluding Halothane, which is every 5 years)
- Full range of fittings and models available
- Exceeds the toughest standards of output accuracy
- User serviceable by design (subject to training)

Note: Key filler Bottle Adaptors are supplied separately.

BleaseDatum Vaporizers

Ordering Information for BleaseDatum

A. BleaseDatum Selectatec-Compatible with Interlock

Part No.	Description
13012118	Isoflurane 5% with keyed filler
13022118	Halothane 5% with keyed filler
13032118	Enflurane 5% with keyed filler
13062118	Sevoflurane 8% with keyed filler
13012218	Isoflurane 5% with screw filler
13022218	Halothane 5% with screw filler
13032218	Enflurane 5% with screw filler
13062218	Sevoflurane 8% with screw filler

BleaseDatum Selectatec-Compatible

B. BleaseDatum Cagemount, 23mm Taper Fitting (ISO)

Part No.	Description
13011118	Isoflurane 5% with keyed filler
13021118	Halothane 5% with keyed filler
13031118	Enflurane 5% with keyed filler
13061118	Sevoflurane 8% with keyed filler
13011218	Isoflurane 5% with screw filler
13021218	Halothane 5% with screw filler
13031218	Enflurane 5% with screw filler
13061218	Sevoflurane 8% with screw filler

BleaseDatum Cagemount

C. BleaseDatum Drägerwerk AG Plug-In-Compatible

Part No.	Description
13013118	Isoflurane 5% with keyed filler
13023118	Halothane 5% with keyed filler
13033118	Enflurane 5% with keyed filler
13063118	Sevoflurane 8% with keyed filler
13013218	Isoflurane 5% with screw filler
13023218	Halothane 5% with screw filler
13033218	Enflurane 5% with screw filler
13063218	Sevoflurane 8% with screw filler

BleaseDatum Drägerwerk AG Plug-in

D. BleaseDatum North American Dräger with Interlock Compatible

Part No.	Description
13015118	Isoflurane 5% with keyed filler
13025118	Halothane 5% with keyed filler
13035118	Enflurane 5% with keyed filler
13065118	Sevoflurane 8% with keyed filler
13015218	Isoflurane 5% with screw filler
13025218	Halothane 5% with screw filler
13035218	Enflurane 5% with screw filler
13065218	Sevoflurane 8% with screw filler

E. Key Filler Bottle Adaptors

Part No.	Description
10010001	Isoflurane
10020001	Halothane
10030001	Enflurane
10040001	Sevoflurane

Suction

High Suction

Part No.	Description
11400045	Complete high suction V wedge assembly including: • Controller • Jar • 1.5m tubing • 5.5m hose
11400032	Suction without jar

Suction Controller with
V-Wedge Assembly

Venturi (Injector) Suction Kit

Part No.	Description
11400047	Complete Venturi (injector) suction on V wedge assembly with remote mini Schrader including: • Controller • Jar • 1.5m tubing • 1.5m hose

Suction Jars

Part No.	Description
11400038	Suction Jar (excluding BleaseSirius)
11400102	Suction Jar (BleaseSirius)

MRI Compatible Suction

Part No.	Description
11400075	MRI compatible high suction
11400038	Suction jar

Re-usable Breathing Circuits

Part No.	Description
M1050-4	**Adult Re-usable Patient 'Y' Circuit**
709-0488-00	110cm Hytrel Tubing
ST1050	Wye Piece, autoclavable
ST7557	**Magill Breathing Circuit, complete with face mask**
841026	Bag Mount
030026	Superlite Face Mask Angle
ST2111	2 liter 22mm Neck Rebreathing Bag
ST2670	Malleable Face Mask, size 4
2020	**Bain-type Coaxial Circuit complete**
2021	Bain-type Coaxial Manifold with 2 liter bag (ST2111)
2023	Coaxial Taper, Disposable Tubing, set of 10
2100	**Jackson-Rees Pediatric Circuit, complete with mask**
709-0484-00	Jackson-Rees System
2150	**Rendell Baker Pediatric Masks, set of 4 sizes**
42100	**Malleable Face Mask, set of 7 sizes**

Re-usable Patient Y Circuit
(PN M1050-4)

Hytrel Tubing (110cm)
and Autoclavable Wye Piece

Bain Coaxial Manifold
2020 or 2021

Soda Lime CO$_2$ Absorbent Packs

Part No.	Description
54100030	White to violet color change – 2 x 1 kg packs

# Disposable/Single-Use Breathing Circuits & Accessories

A. Complete Disposable Circuits

Part No.	Description
54100031	Magill-Mapleson A Open Circuit 1.8m
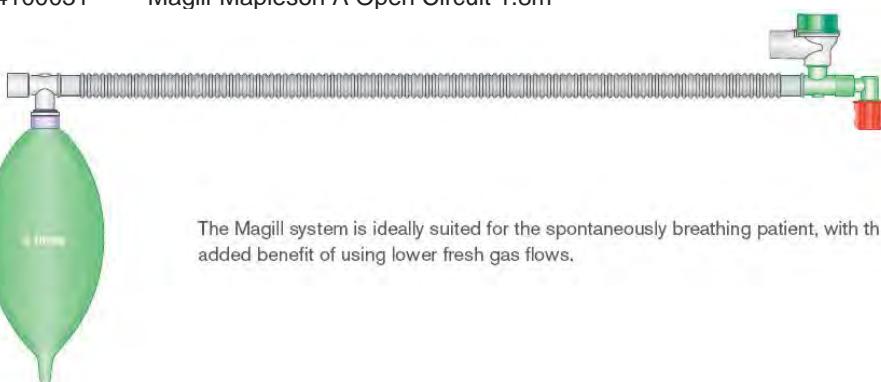
The Magill system is ideally suited for the spontaneously breathing patient, with the added benefit of using lower fresh gas flows.

Part No.	Description
54100032	Deluxe Bain Co-axial Circuit
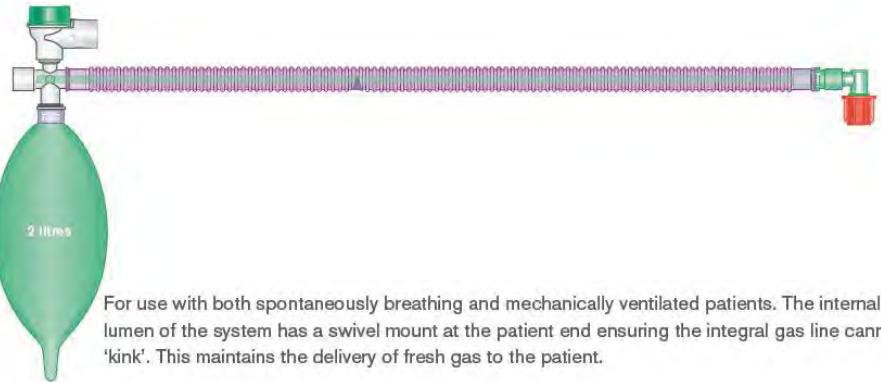
For use with both spontaneously breathing and mechanically ventilated patients. The internal lumen of the system has a swivel mount at the patient end ensuring the integral gas line cannot 'kink'. This maintains the delivery of fresh gas to the patient.

Part No.	Description
54100033	Basic Y piece Breathing Circuit, 1.6m

Part No.	Description
10400001	Basic Y piece Breathing Circuit with limb and bag
54100035	Pediatric Y piece Breathing Circuit
54100036	Infant T-piece Breathing Circuit

A fixed elbow and luer lock port allows for safe monitoring at the patient connection.

B. Disposable Face Masks, Reservoir Bags and Connectors

Part No.	Description
54100037	Large Anesthetic Face Mask
54100038	Medium Anesthetic Face Mask
54100039	Pediatric Anesthetic Face Mask
54100040	Infant Anesthetic Face Mask
54100041	0.5 liter Anesthetic Reservoir Bag, 15mm female neck
54100042	1.0 liter Anesthetic Reservoir Bag, 22mm female neck
54100043	2.0 liter Anesthetic Reservoir Bag, 22mm female neck
54100044	3.0 liter Anesthetic Reservoir Bag, 22mm female neck
54100025	Connector 22mm male flextube to 30mm male scavenging
54100026	Connector 22mm male flextube to 30mm female scavenging
54100045	Connector 22mm male flextube to 19mm female scavenging
54100027	Filta-Guard Bacterial/Viral Filter

Ventilator Feature Upgrade Kits – Field Installed

	700 Series			900 Series		
Features	**720**	**730**	**750**	**950**	**970**	**990**
SCREEN SIZE	8.4"	8.4"	8.4"	8.4"	8.4"	8.4"
DISPLAY	Mono	Mono	Mono	Color	Color	Color
INTERFACE	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak	Touch & Trak
TIDAL VOLUME COMPENSATION						
FRESH GAS COMPENSATION	✓	✓	✓	✓	✓	✓
CONFIGURABLE PRESET OR MEASURED COMPLIANCE	✓	✓	✓	✓	✓	✓
VENT MODE						
VOLUME CONTROL	✓	✓	✓	✓	✓	✓
PRECISION PRESSURE CONTROL™	·	·	✓	✓	✓	✓
SIMV-VC + PSV and SIMV-PC + PSV*	·	✓	✓	✓	✓	✓
ADVANCED PRESSURE SUPPORT™	·	·	·	·	✓	✓
VENT MONITORING						
OXYGEN	✓	✓	✓	✓	✓	✓
EXHALED VOLUME MONITORING	✓	✓	✓	✓	✓	✓
AIRWAY PRESSURE	✓	✓	✓	✓	✓	✓
PRESSURE WAVEFORM	✓	✓	✓	✓	✓	✓
FLOW WAVEFORM	·	·	✓	✓	✓	✓
SPIROMETRY LOOPS	·	·	·	·	·	✓
DATA OUTPUT	✓	✓	✓	✓	✓	✓

* Available in 10.x and later ventilator software

Blease700 Series Ventilator

Part No.	Description
14000723	From 720 feature set to 730 feature set
14000725	From 720 feature set to 750 feature set
14000735	From 730 feature set to 750 feature set

Blease900 Series Ventilator

Part No.	Description
14000957	From 950 feature set to 970 feature set
14000959	From 950 feature set to 990 feature set
14000979	From 970 feature set to 990 feature set

Spares – Blease Units Only

Breathing System

Part No.	Description
FR101028	Flow Sensor and Tubing Kit including spare cap
10110090	Adult Flow Sensor
376-0561-00	Pediatric Flow Sensor
10110219	Flow Sensor Tubing, 1.5m
10110102	Flow Sensor Tubing, 3m
54100051	Flow Sensor Cap (quantity 1)
54100063	Flow Sensor Caps (quantity 50)
70300001	O_2 Probe/Sensor
ER1824582	O_2 Probe/Sensor Cable, 5m (BleaseFocus and BleaseGenius MRI)
940453	O_2 Probe/Sensor Cable, 3.6m (BleaseSirius)
12200162	NRV Discs
83034	Adult Bellows only
83036	Pediatric Bellows only
54300032	Manometer Gauge
54300036	MRI Manometer Gauge
12200556	Canister Center Seal, White
70300025	O_2 Sensor, T piece
12200275	Switching Cable Assembly, 8500/6500
12200228	Outer Canister, Double
12200229	Outer Canister, Single
12200221	Inner Canister

General Spares

Part No.	Description
11400063	Suction filters
ST2531	Bodok seals
11901679	Work surface mat for BleaseFocus
13600068	Work surface mat for BleaseSirius
12500014	Pop off valve

PN 078-0574-00 Rev D   52