

The 91436 Flexport[®] interface integrates data provided from ventilators into Xprezzon[®] and Qube[®] monitors. The Flexport system interface provides bedside display of ventilator data and alarms, and supports tabular and graphical trending of ventilator data. The Flexport interface provides Remote View and Alarm Watch capabilities for remote monitoring. The data provided from the Flexport interface is made available through the ICS interface to clinical information systems. All compatible Spacelabs monitors support multiple Flexport interfaces.

Note:

The data shown above for the 91436B, C, D, and E Flexports ventilator is for display purposes only and does not necessarily represent displayed data available for all 91436 Flexport ventilators. Refer to individual descriptions of Flexport models for limitations of displayed data, if any.

Features

Parameters	Each Flexport interface counts as one parameter when computing parameter capacity for monitors.
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Product Specifications

Physical Dimensions

Height	2.5 cm (1 in)
Width	13.5 cm (5.3 in)
Depth	4.6 cm (1.8 in)
Weight	0.11 kg (4 oz)

Environmental Requirements

Operating

Temperature	10° to 40° C (50° to 104° F)
Humidity	95% (non-condensing)
Altitude	0 to 2,000 m

Storage

Temperature	-40° to 75° C (5° to 167° F)
Humidity	95% (non-condensing)
Altitude	0 to 12,192 m (0 to 40,000 ft)

Monitor Compatibility

The 91436 Flexport is supported by the following Spacelabs Healthcare monitors:

- Xprezzon (91393)
- Qube (91390)

Spacelabs Healthcare confirms that the Flexport software versions shown in the table that follows are verified for use with the software or protocol versions listed for the source devices.

Company, Product, or Source Device	Software or Protocol Version	Spacelabs Healthcare Flexport Software Version	Flexport Model Number
Maquet Servo-i	CIE Protocol Versions 003, 005	1.00.05-001	91436B
VIASYS (VELA)	02.02.08	1.00.02-002	91436C
VIASYS (AVEA)	3.9B		91436C
GE Avance	5.0	1.00.02-002	91436D
GE Engström Carestation	5.05	1.00.00-004	91436E
Medtronic (Puritan Bennett) 840	4-070212-85-AK	1.00.03	91436F
Medtronic (Puritan Bennett) 980	8.1.1.4	1.00.03	91436F

Ventilator Interfaces

Note:

Each interfaced device must have an appropriate RS-232 interface and operating software of a specific level to function with Flexport interfaces. Contact the device manufacturer to confirm compatibility before ordering.

91436 Flexport

SDLC Cable

91390 P/N 012-0152-xx

91393 P/N 012-0555-xx

SDLC Terminator P/N 012-0507-02

91436B Servo-i Ventilator Flexport

Transition Connector P/N 131-0686-02

91436C VIASYS Ventilator Flexport

Modular Cable P/N 012-0871-xx

91436D GE Avance Flexport

Transition Connector P/N 131-2094-xx

91436E GE Engström Carestation Ventilator Flexport

Transition Connector P/N 131-2094-xx

91436F Puritan Bennett 840 and 980

Transition Connector P/N 131-1039-01

Data Displayed

Parameter	91436B	91436C	91436D	91436E	91436F
	Maquet Servo-i	VIASYS VELA and AVEA	GE Avance ADS	GE Engström Carestation	Puritan Bennett 840 or 980
FiO ₂	X	X	Refer to the <i>Global Data System (GDS) System Administration Guide</i> (P/N 070-1973-xx) for a list of parameters available with the GE Avance. Parameter data for the GE Avance ADS does not display on the monitor.	X	shows as O2
I:E	X	X		X	X
ITIME	X	X			
MAP	X	X			
MVe	X			X	shows as Vmin
MV		X			
PAP		X			
PEEP	X	X		X	X
PIP	X				shows as Ppeak
Pmean				X	X
Ppeak				X	X
RR	X	X		X	X
RSBI				X	
SBI	X				
PiFr		X			
Vte	X	X			X
Vti		X			
Pplat				X	

Note:

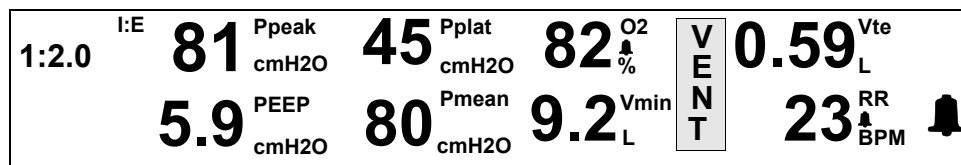
Additional data is available in the monitor trends, and through the HL7 interface.

Labels for 91436B, C, D, and E

Label	Name
FiO ₂	Fractional Inspired Oxygen
I:E	Inspired/Expired Ratio
ITIME	Inspiration Time
MAP	Mean Airway Pressure
MVe	Expiratory Minute Volume
MV	Minute Volume
PAP	Peak Airway Pressure
PEEP	Positive End Expiratory Pressure
PiFr	Peak Inspiratory Flow Rate

Label	Name
PIP	Peak Inspiratory Pressure
Pmean	Mean airway pressure value
Ppeak	Peak airway pressure
RR	Respiratory Rate
RSBI	Measured Rapid Shallow Breathing Index
SBI	Shallow Breathing Index
Vte	Tidal Volume
Vti	Inhaled Tidal Volume

Labels for 91436F



Label	Name
O ₂	Delivered O ₂
I:E	Ratio of inspiratory time to expiratory time for previous breath
PEEP	Positive End Expiratory Pressure
Pmean	Mean Airway Pressure
Ppeak	Peak Inspiratory Pressure

Label	Name
Pplat	Plateau Pressure
RR	Total Respiratory Rate
Vmin	Exhaled Minute Volume
Vte	Exhaled Tidal Volume

Connectors and Cable Length

Connectors

Female	6-pin modular jack
Male	9-pin SDLC connector

Cable Length

SDLC	30.48 cm (12 in)
RS-232	243.8 cm (96 in)

Maximum SDLC Cable Length	<p>The total length of all SDLC cables from the power source (monitor or module housing) to the Flexport interface should not exceed 1.8 m (6 feet).</p> <p>When linking other Spacelabs Healthcare devices, the Flexport interface must be the closest device to the monitor or module housing.</p>
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Documentation

This product ships with a complete set of comprehensive documentation.

For a full list of available supplies and accessories, refer to the *Spacelabs Healthcare Supplies and Accessories Catalog* at <https://www.spacelabshealthcare.com/supplies>.

Regulatory Approval



CE marked in accordance with the Medical Device Directive 93/42/EEC.

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