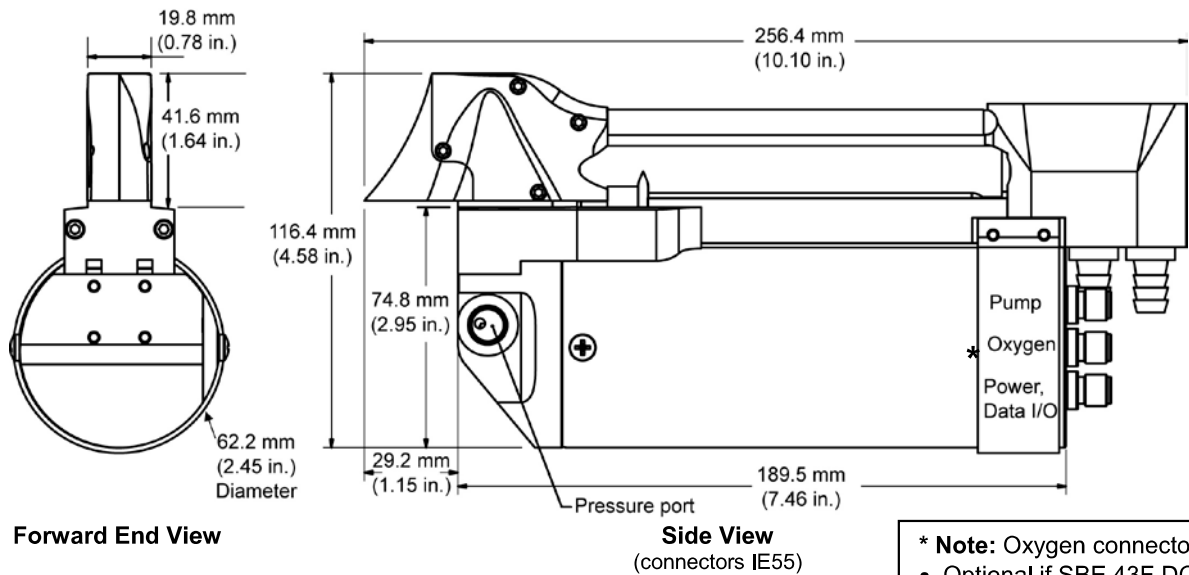
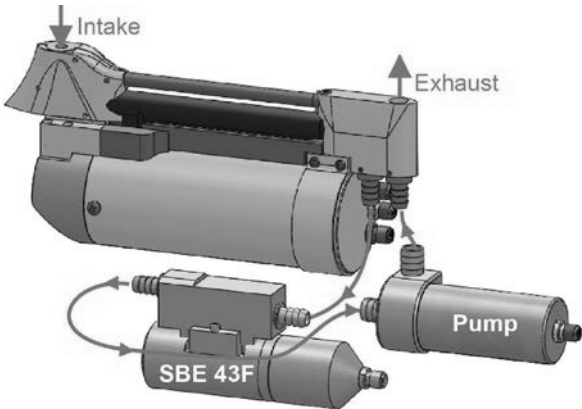


Dimensions and Connectors



**\* Note:** Oxygen connector:

- Optional if SBE 43F DO sensor not ordered
- Included if SBE 43F DO sensor ordered.



With Optional SBE 43F Oxygen Sensor  
(plumbing approximate)

| Pump<br>IE55(W)-1002-BCR |                   | Oxygen<br>IE55(W)-1003-BCR |              | Power, Data I/O<br>IE55-1204-BCR |                           |
|--------------------------|-------------------|----------------------------|--------------|----------------------------------|---------------------------|
|                          |                   |                            |              |                                  |                           |
| Pin                      | Description       | Pin                        | Description  | Pin                              | Description               |
| 1                        | Pump power common | 1                          | Common       | 1                                | Common                    |
| 2                        | Pump power +      | 2                          | DO frequency | 2                                | RS-232 data receive       |
|                          |                   | 3                          | DO power     | 3                                | RS-232 data transmit      |
|                          |                   |                            |              | 4                                | 8 - 20 VDC external power |

- Notes:**
1. Cables and plumbing not shown for clarity.
  2. Route the plumbing (Tygon tubing from CTD to optional DO sensor, pump, and exhaust) so that it will not trap air.