

ISI VIKING SCBA

Technology that saves time™



ISI's proven heads-up display features many options you won't find elsewhere such as end-of-service alarm, PASS pre-alarm, and radio transmission.

ISI Viking is NFPA 1981, 2002 compliant

The new NFPA 1981, 2002 Edition requires a heads-up display and a RIC (Rapid Intervention Crew) fitting on every SCBA. The RIC fitting allows a downed fire fighter's cylinder to be refilled from a supplied air cylinder. Now you can connect a 4500 psi cylinder to a 2216 cylinder without over-pressurizing the cylinder. A unique feature of ISI's RIC fitting is that it has a check valve that shuts off when the cylinder is full, instead of venting to atmosphere and saving you air. The ISI Viking RIC fitting is located on the cylinder valve handwheel, allowing for quick connection in reduced visibility.

Heads-up Display (HUD)

To save you time, a five light heads-up display with microphone, is built into the nosepiece inside the facemask. At a glance, these lights give you continuous readouts of all systems, including cylinder pressure, end-of-service alarm, radio status, battery status, and PASS pre-alarm. There is no waiting or pressing of buttons to know your status at any moment.



The red, yellow and two green lights' primary function is to represent quarter increments of cylinder pressure. The lights are on constantly, and as cylinder pressure decreases, the lights will shut off one by one. When the

cylinder reaches only ¼ of cylinder pressure, the red light flashes rapidly and the bell "end of service" alarm activates. Additional features built into the heads-up display include an alert for integrated PASS pre-alarm, and transmission of radio communications. The top yellow offset light indicates low battery.

ISI AirSwitch® Facemask & Regulator

It also saves you a few

more seconds. Fully integrated into the facemask, the AirSwitch regulator allows you to switch instantly between cylinder air and ambient air by pressing a switch, eliminating the need to dock a regulator prior to usage. When in the ambient position, the AirSwitch regulator saves you cylinder air. You have the option of switching modes in a fraction of a second, as many times as necessary, to save cylinder air. The AirSwitch design combines the inhalation, exhalation and speech diaphragm into one assembly in order to achieve our unique design. With fewer moving parts, this also translates into high performance delivery of air, lower breathing resistance, and an easier regulator to maintain. It's the only regulator that can be fully submerged, without disassembling, for easy cleaning and sanitizing. The heads-up display and microphone inside the AirSwitch are also waterproof and can be submerged as well.



The combination of the regulator and facemask with the AirSwitch design means the lowest facemask profile in the industry. Unlike other masks, it has no add-ons, so your view is unobstructed and your maneuverability is unmatched. In case of an emergency, the manual bypass will provide flow rates of 85 to 130 liters. Additional features of the AirSwitch mask are:

- Small, medium, and large sizes
- Permanent anti-fog coating
- Single or double curve visor
- Built in water-proof microphone

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Two-piece Composite Backframe

The Viking backframe is lightweight and ergonomically designed so that the lower torso absorbs the weight of the pack, making it easier to wear for long periods of time without any discomfort. The composite backframe was developed with a compartmentalized inner core to protect pneumatics and solid-state components from harsh environments. The backframe also has a universal cylinder band that makes changing cylinders quick and easy. All harnesses are made of Kevlar, and shoulder straps are padded and preformed for greater comfort and easier donning.

Eight AA batteries housed in the backframe power all the electronic components of the Viking, so there is only one battery source for the unit, with up to 60 hours of life on new batteries. The top yellow light of the heads-up display will light when there is approximately 4 hours of battery life left and the control console beeps every 15 seconds in acknowledgment of low battery. Even in full power failure, the pneumatics of the unit will still function normally and the secondary bell "end of service" alarm will note low cylinder air status.

Viking DXL Model

The Viking is available in two models, the DXL and DX. The Control Console is a key element of the Viking DXL design. It not only displays a digital readout of cylinder pressure, but houses VAS, Radio Interface and PASS. The waterproof microphone mounted inside the facemask allows for voice amplification, which means no bulky ad-ons to the mask. The inmask microphone is the key to the clearest communications on the market.

When the Radio Interface option is chosen on the DXL model, a radio lead allows for integration with your existing radios. Your hands can be freed from

radio transmission, for other more important matters, by double clicking on the side button of the control console. This keys the radio to transmit upon voice activation. The top green light of the heads-up display will activate to indicate radio transmission. Double click again on the control console button to return to a "push to talk" mode for radio.

If chosen, the DXL PASS automatically activates upon pressurizing the pneumatics. In pre-alarm, the heads-up display will activate an alternating red/green light sequence. The constant flashing locator lights on the backframe will also go into pre-alarm and flash more rapidly. To reset the PASS in pre-alarm, move the control console. In full activation, both on/off buttons on the control console must be depressed simultaneously.

Viking DX Model

The Viking DX model is designed with simplicity in mind. It still includes heads-up display, RIC fitting, AirSwitch facemask and pneumatics, but keeps the options to a minimum. Each of the following options are an add-on to the unit:

- PASS - belt mounted and removable
- Voice Amplification
- Air pressure gauge

ISI personnel and ISI certified distributors train in-house or on-site. And, we can proudly say our service is second to none.



Options for both the Viking DX or DXL model include:

- 2216 psi or 4500 psi
- Buddy breather system, with 4-foot total length between two firefighters
- Choice of 30, 45 and 60 minute cylinder durations
- Aluminum, hoop wrapped, or fully wrapped cylinders
- Airline Attachment



International Safety Instruments, Inc.

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