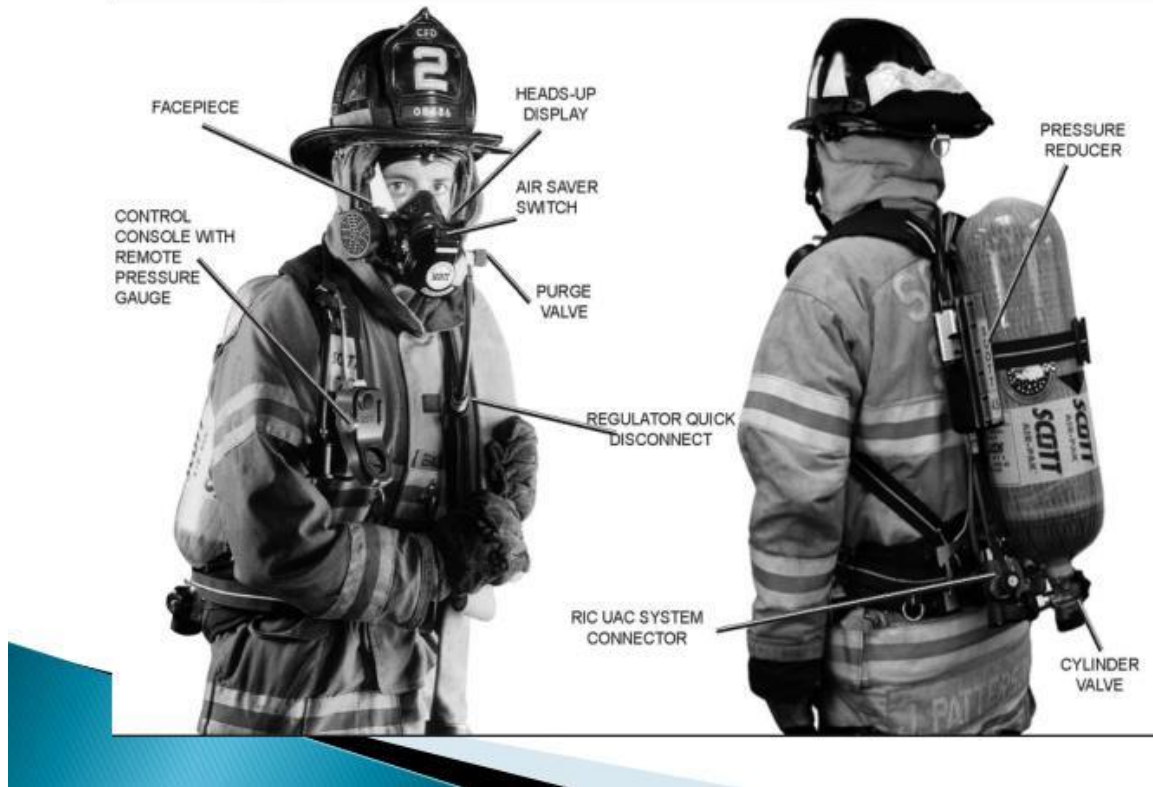


Parts Familiarization



BACK FRAME:

It is the aluminum plate or wire frame unit that fits on the users back that most components mount to.

HARNESS STRAPS:

Hold the back frame on the user.

FACEPIECE:

Facepiece covers and seals to the users face to allow air flow to the user.

CONTROL CONSOLE WITH REMOTE PRESSURE GAUGE AND PASS DEVICE:

Contains the PASS Device control buttons and the remote pressure gauge.

HEADS-UP DISPLAY (HUD):

Is a visual indicator of the pressure remaining in the cylinder. This system will be powered by batteries, either by the PASS device or in a battery box on top of the reducer.

HEADS-UP DISPLAY (HUD)

- ▶ Visual display of SCBA air status
- ▶ Series of lights indicate pressure
 - Full - 2 green
 - 75% - 1 green
 - 50% - 1 yellow slow flashing
 - 25% - 1 red rapid flashing



AIR SAVER SWITCH:

Is used to shut off the air flow of the regulator after use when doffing. Also referred to as a “Donning switch”.

PURGE VALVE:

Allows the user to open air flow into the facepiece in the event of an emergency or to clear fog from the inside of the facepiece.

REGULATOR QUICK DISCONNECT:

Allows the regulator low pressure hose to be taken apart to remove the regulator from Pak.

PRESSURE REDUCER:

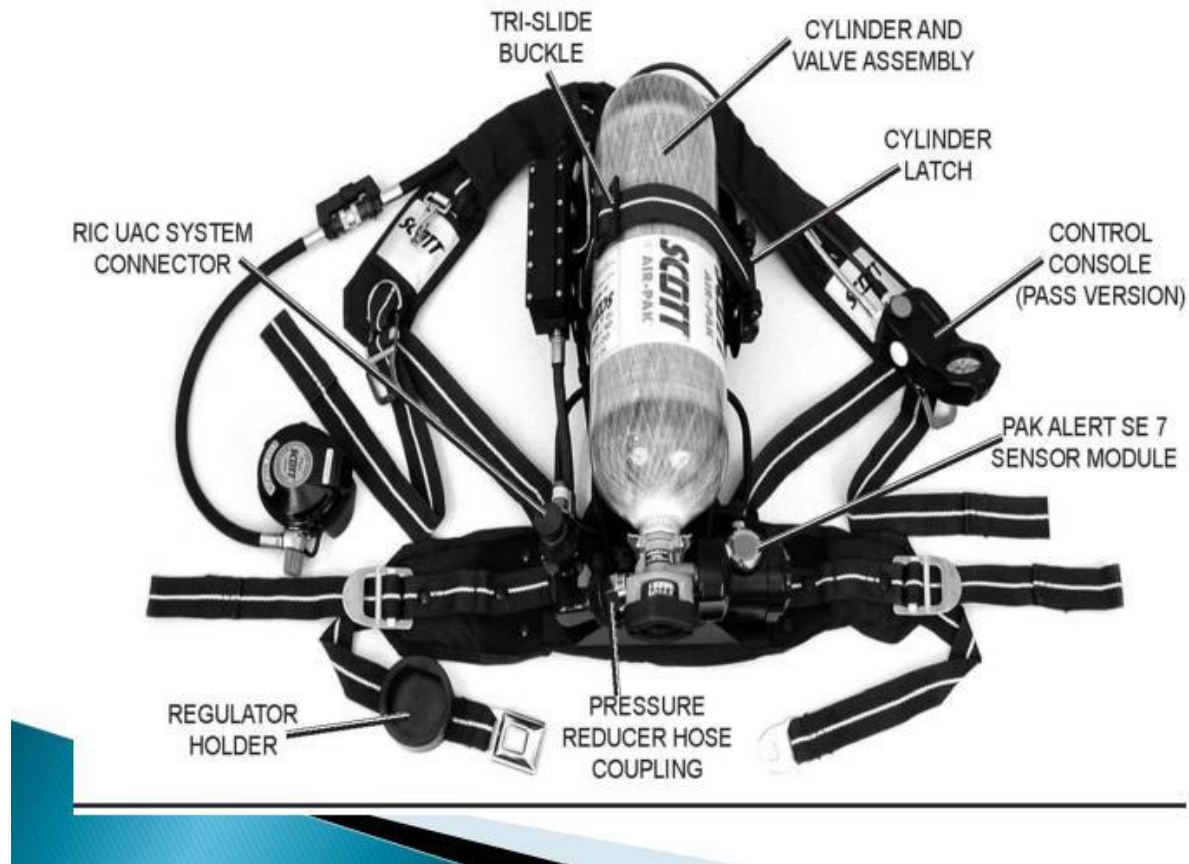
Takes the high pressure air from the cylinder and reduces pressure before sending to regulator.

RIC UAC SYSTEM CONNECTOR:

RIC is Rapid Intervention Connection, UAC is Universal Air Connection. This is used to connect to a high pressure fill hose to refill the cylinder.

CYLINDER VALVE:

Controls the air in and out of the cylinder and includes a gauge to indicate pressure inside the cylinder. Also allows the Pak high pressure hose to attach to the cylinder for air flow to the reducer.



TRI-SLIDE BUCKLE:

Is used to adjust the cylinder retention band to hold the cylinder tight in the back frame.

CYLINDER AND VALVE ASSEMBLY:

The cylinder is a pressurized container that holds the air to supply the Pak. If the cylinder is a 30 minute rated volume, it contains 45 cubic feet of air at 4,500 psig. The 30 minute use duration is calculated at the 40 liters of flow per minute use.

The cylinder valve controls the air in and out of the cylinder and includes a gauge to indicate pressure inside the cylinder. Also allows the Pak high pressure hose to attach to the cylinder for air flow the reducer.

CYLINDER LATCH:

Locks the cylinder retention strap in place tight, holding the cylinder to the back frame.

CONTROL CONSOLE (PASS VERSION):

Contains the PASS Device control button, and the remote pressure gauge.

PAK ALERT SE (PASS):

This is a emergency notification system for the user. If the user is motionless for 20 seconds the PASS will activate. It can also be activated manually. The PASS uses batteries; either six AA batteries or two 9 volt batteries. With either style the batteries are in the PASS device mounted on the lower back frame.

INTEGRATED PASS

- ▶ **Manual alarm**
 - Front of PASS
 - Red button
 - Full alarm on depression
- ▶ **Auto alarm**
 - Motionless for 20 seconds
 - Pre-alarm
 - Ascending / Descending tone
 - 1 Red light flash /second
 - Full-alarm
 - 12 Seconds after pre-alarm
 - Continuous tones w/ red lights



PRESSURE REDUCER HOSE COUPLING / HIGH PRESSURE HOSE:

Attaches to the cylinder valve and has a high pressure hose integrated to transfer high pressure air from the cylinder to the reducer.

REGULATOR HOLDER:

Is a place to attach the regulator when not in use. This protects the regulator from damage and keeps it clean.

EBSS SYSTEM:

Is a method to share air in an emergency situation. If one user is dangerously low on air, and another user has more air, the two users can use the EBSS connection and equalize the air between the users to allow for emergency egress. IE: the low air user is at 200 psig of air left, and the other user has 1,500 psig of air left, when you connected and equalize, both users will have approximately 750-850 psig. The EBSS is only used for emergencies and to GET OUT!

EBSS – DUAL MANIFOLD

- ▶ EBSS – Emergency Breathing Support System
- ▶ Introduction of air from outside source
 - Ladder air system
 - RIT Bag
 - Another SCBA (buddy breathing)
- ▶ On left side waist belt
 - In snap pouch



EBSS – DUAL MANIFOLD

- ▶ Male and Female coupling
 - Quick disconnect
 - Supply or receive
- ▶ 3 foot hose
- ▶ Dual protective cover

