

STATION 28

CASCADE FILLING INSTRUCTIONS

All Fill Station Operators must be familiar with and comply with BCFR and FCFD SOP's and Guidelines, as well as NFPA 1404, 1500, 1852 &1981

1. Check the SCBA Fill Station Book for any maintenance or service notes, and update accordingly
2. Prepare the Cascade System
 - a. Visually inspect hoses and hardware for signs of damage or excessive wear. If any equipment appears damaged, report the damage, and do not use the system.
 - b. Open the valves on the top of the two yellow storage bottles, and note starting pressure
3. Prepare the compressor
 - a. Visually inspect the compressor for any signs of leaks, loose parts, equipment or hoses, and check the compressor oil levels in the site glass locations on both sides of the compressor. If anything is out of the ordinary, notify an FCFD officer or the BCFR SCBA Technician ASAP.
 - b. Turn on power to the compressor via the main cut-off switch located on the wall near the compressor –
4. Turn the compressor on by rotation the green power switch to the right. The compressor should start running, and the pressures on the four stages of the compressor should begin to rise in order.
5. Reconfirm the all storage bottles are open
 - a. The amount of time to fill will depend on how low the starting pressure was
 - b. Once the compressor reaches max pressure (ideally 6000psi, but may be 5700 or 5800 psi if it needs adjustment) it will automatically shut down.
 - c. Confirm the bank is filled, and close the valves on all the storage tanks
6. Shut down the compressor
 - a. Rotate the front green panel On/Off switch to the left
 - b. Shut off the main power - **Note- Main Power is to be Left OFF when not in use to Prevent Damage to Expensive Computer Controller Hardware from Station Generator Auto-Start Tests -**

If the compressor shuts off due to a fault, it will be indicated by a failure light on the control panel. Report any errors or failures to an FCFD officer or the BCFR SCBA Technician ASAP. Write down the failure indication(s), including the flash pattern of the error lights, and what you were doing, what you saw and/or what you heard at the time of the failure.