



Filling a SCBA Cylinder

NFPA 1001 [2013] – 5.3.1

REQUIRES HOME DEPARTMENT SIGN OFF

NYS DIVISION OF HOMELAND SECURITY & EMERGENCY SERVICES

NYS Skill Sheet 6-I-8, 6-I-9

Candidate's Name _____	Date _____
Evaluator's Name _____	Evaluator's Signature _____

The candidate, given an SCBA, shall demonstrate the correct procedure for filling an SCBA cylinder, both by using a compressor and a cascade system, as outlined in IFSTA Essentials of Fire Fighting and Fire Department Operations, 6TH ed.

Criteria:	DEPT	INSTR
ALL CYLINDERS		
Checks hydrostatic test date of cylinder; removes from service if out of date		
Inspects cylinder for physical damage and place in fragmentation containment device		
Connects fill hose to cylinder; closes bleed valve, if equipped		
Opens SCBA cylinder valve [if necessary]		
COMPRESSOR SYSTEM FILL		
Operates compressor/purifier system according to manufacturer's instructions and specifications		
Opens compressor/purifier system outlet valve		
Sets cylinder pressure on compressor/purifier system to correct pressure for cylinder		
Opens manifold valve and confirms cylinder pressure setting		
Opens fill station valve to begin filling cylinder		
Observes cylinder gauge to ensure fill rate of 300-600 psi per minute and control to avoid overheating/chattering.		
CASCADE SYSTEM FILL		
Opens cascade system manifold or fill hose valve		
Opens cascade system valve with lowest pressure		
Observes cylinder gauge to ensure fill rate of 300-600 psi per minute and control to avoid overheating/chattering		
Closes cascade valve when pressure equalizes		
If cylinder is not full, opens cascade valve on cylinder with next highest pressure. Continue until cylinder is full		
ALL CYLINDERS		
Closes SCBA cylinder valve [if necessary]		
Opens system filler hose bleeder valve and bleeds-off excess pressure		
Disconnects system fill hose from cylinder		
Removes SCBA cylinder from fragmentation containment and returns to service		
Evaluator notes:	INITIAL	INITIAL