



SCUBAPRO R290 – R190 Second Stages



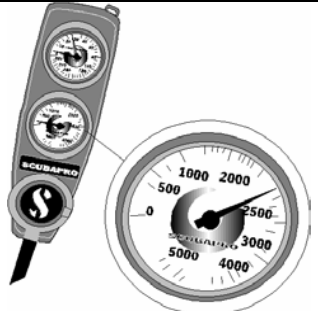
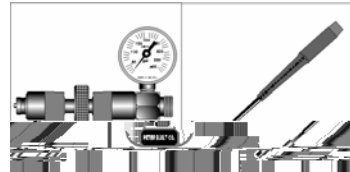

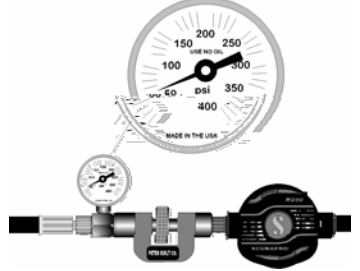
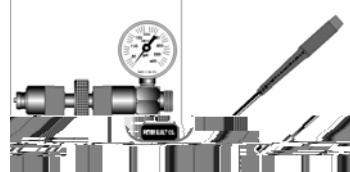

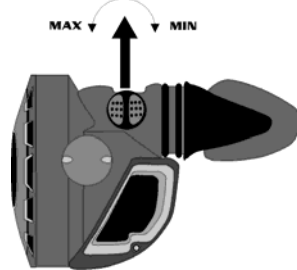
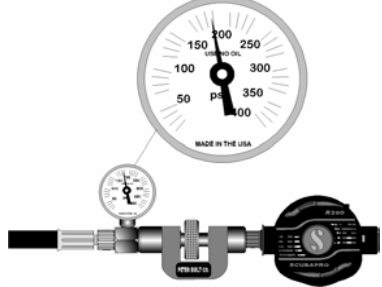
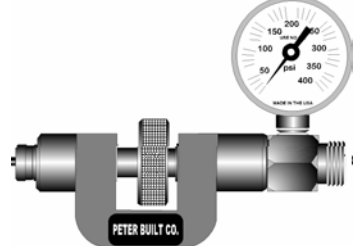
Trouble Shooting Guide

Symptom	Correction	Tools Needed
Continuous slow leak from second stage	Readjust orifice or Nyloc nut	Replace poppet, seat or spring
Continuous slow leak from second stage	High IP – See first stage trouble shooting	Universal tool/ Pneumatic adjustment tool
Inhalation effort is lower than specification	Tighten nyloc nut (3 threads maximum)	Replace spring



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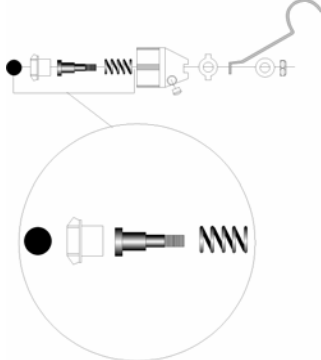
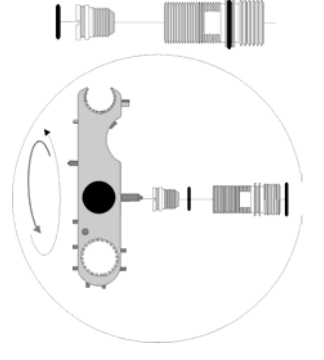
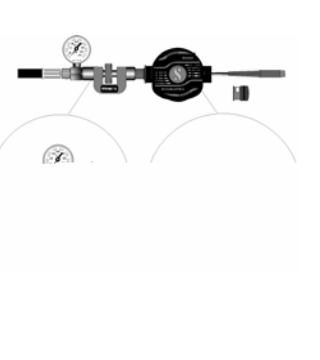
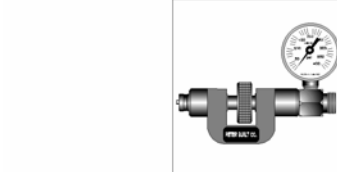
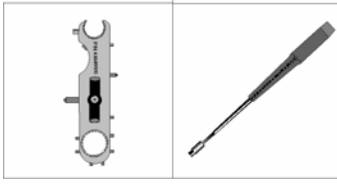
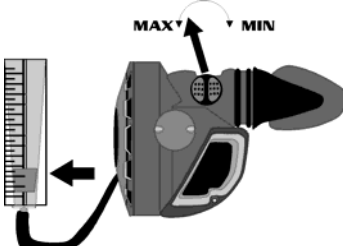
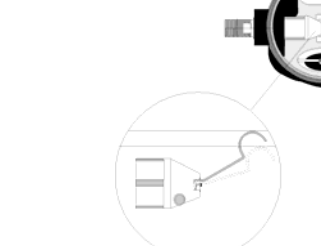
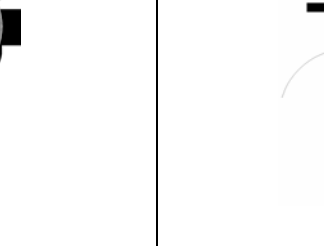
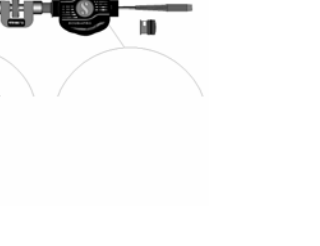
Trouble Shooting Guide

Symptom	Correction		Tools Needed
Inhalation effort is higher than specification	Readjust orifice or Nyloc nut	Use a supply pressure of at least 1500 psi/100 bar	Readjust nyloc nut - Lever too low
			
Inhalation effort is higher than specification	Replace spring	Increase IP – See first stage trouble shooting guide	Replace lever
			
Violent free flow from second stage	Re-adjust VIVA control	High IP – See first stage shooting guide	Pneumatic ad
			



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Trouble Shooting Guide

Symptom	Correction			Tools Needed	
Violent free flow from second stage	Replace seat or spring	Replace orifice/o'ring	Readjust orifice	Various	
					
VIVA does not provide continuous flow of air at the MAX setting	Readjust nyloc nut - Lever too low	Readjust orifice or nyloc nut		Universal tool/ 1/4" nut driver	
					
VIVA does not provide continuous flow of air at the MAX setting	Check VIVA vane for correct position	Replace lever		VIVA Removal tool/ 1/4" Nut driver	
