

FATHOM SYSTEMS

FATHOM CCR BUILD CHECKLIST

CONSUMABLES			
Fill and analyze oxygen		psi/bar	O ₂ %
Fill and analyze diluent		psi/bar	O ₂ /He %
Remaining scrubber duration			min
Handset battery			volt
HUD battery (red < 3.0 v, orange = 3.0 v, green > 3.0 v)			volt
O ₂ cells < 1 year	mm/yy	mm/yy	mm/yy
Air mV (8.5-14 mV)	mV	mV	mV
ASSEMBLY			
Insert scrubber, spacer, and chammies			initial
Inspect head o-rings (4 total)			initial
Install head w/line-lock			initial
Mount onboard cylinders			initial
Attach wing, counterlungs, & backplate			initial
Flow test BOV/DSV mushroom valves			initial
Assemble breathing loop, MAVs, & regs			initial
O ₂ regulator IP (205-290 psi/14-20 bar)			psi/bar
PRESSURE TESTS			
Positive (3-5 min w/gas off)			initial
Negative (3-5 min w/gas off)			initial
Pneumatics (MAVs, wing, drysuit)			initial
CALIBRATION			
Calibrate handset			initial
O ₂ mV (40-67 mV)	mV	mV	mV
Verify cell linearity (air mV x 4.77 = O ₂ mV)			initial
Calibrate HUD			initial
signature			date

