



# Renny's

## TROUBLE SHOOTING

# CHECKLIST



## **TIME REQUIRED TO CHILL A KEG TO 38°F FROM VARIOUS TEMPERATURES**

<b>Starting temp.</b>	<b>Hours to reach 38°F</b>
50°F	25.0
48 °F	23.5
46 °F	21.0
44°F	18.0
40 °F	7.0
38°F	0

## **INCREASE IN KEG TEMPERATURE OVER TIME FROM A 38°F STARTING TEMPERATURE**

<b>Time (hours)</b>	<b>Temp</b>
0	38°F
1	39°F
2	41 °F
3	42 °F
4	43°F
5	45 °F
6	48°F



# TROUBLESHOOTING DIRECT-DRAW SYSTEMS

Problem	Possible Cause	Possible Solution
Beer foaming	Temperature too warm at the faucet (keg box should be 38°F)	Adjust temperature control or call qualified service person
	Temperature too cold/frozen beer in lines (should be 38°F)	
	Kinked beer line	Change beer line
	Wrong beer line length or diameter (should be 4-5 ft. of 3/16" ID vinyl tubing; possibly even longer)	
	Applied pressure too high	Adjust CO <sub>2</sub> regulator to brewer's specification
	Applied pressure too low	
	Coupler washer defective	Replace coupler washer
	Faucet washer defective	Replace faucet washer
	System dirty	Clean system or call line cleaning service
	CO <sub>2</sub> leaks or the draught system is out of CO <sub>2</sub>	Check fittings, clamps, shut-offs, and regulators; replace as necessary
	Beer foaming in jumper line due to torn or ripped keg valve seal	If seal is ripped/torn, gas enters the liquid flow stream, causing foaming. Replace keg and report defective keg to distributor
	Beer foaming in jumper line due to physical obstruction at coupler-valve junction	Remove any physical obstruction or debris (e.g., a piece of a dust cover) that could prevent the coupler from fully engaging and allowing gas to enter the liquid flow
	Beer foaming at faucet due to clogged vent hole(s)	Disassemble and clean faucet, or call line cleaning service
No beer at faucet	Empty CO <sub>2</sub> bottle	Replace with full CO <sub>2</sub> bottle
	Regulator shut-off valve closed	Open shut-off valve
	CO <sub>2</sub> bottle main valve turned off	Turn on CO <sub>2</sub> bottle main valve
	Keg empty	Replace with full keg
	Coupler not engaged	Tap keg properly and engage coupler
	Check ball in coupler one-way valve stuck	Free check ball
	Line/faucet dirty	Clean line/faucet



# AIR-COOLED SYSTEMS

Problem	Possible Cause	Possible Solution
Beer foaming	Temperature at faucet too warm (should be 38°F)	Check blower fan's air flow is not obstructed
		Adjust temperature control or call qualified service person
		System designed improperly: too long, wrong size fan, etc.
		Check temperature of beer in keg
	Temperature at faucet too cold (should be 38°F)	Adjust temperature control or call qualified service person
	Kinked beer line	Change beer line
	Wrong size beer line	
	Applied pressure too high	Adjust CO <sub>2</sub> regulator to brewer's specification
	Applied pressure too low	
	Wrong dispensing gas (mixed gas blenders recommended)	Change to mixed gas blender and use target pressure
	Coupler washer defective	Change to mixed gas blender and use target pressure
	Faucet washer defective	Replace coupler washer
	System dirty	Replace faucet washer
	Beer foaming in jumper line due to torn or ripped keg valve seal	Clean system or call line cleaning service
Beer foaming in jumper line due to physical obstruction at coupler-valve junction	If seal is ripped/torn, gas enters the liquid flow stream, causing foaming. Replace keg and report defective keg to distributor	
Beer foaming at faucet due to clogged vent hole(s)	Remove any physical obstruction or debris (e.g., a piece of a dust cover) that could prevent the coupler from fully engaging and allowing gas to enter the liquid flow	
No beer at faucet	Empty CO <sub>2</sub> bottle, N <sub>2</sub> bottle, or mixed gas bottle	Disassemble and clean faucet, or call line cleaning service
	Regulator shut-off valve closed	Replace with appropriate full gas bottle
	Gas bottle main valve turned off	Open shut-off valve
	Keg empty	Turn on gas bottle main valve
	Coupler not engaged	Replace with full keg
	Check ball in coupler one-way valve stuck	Tap keg properly and engage coupler
	Line/faucet dirty	Free check ball
		Clean line/faucet



# GLYCOL-CHILLED SYSTEMS

Problem	Possible Cause	Possible Solution
Beer foaming	Temperature at faucet too warm or too cold (should be 38°F)	Check glycol chillers for proper operation; adjust glycol bath temperature if too warm or too cold (most systems are designed to operate between 28°F and 34°F; check unit manufacturer's specs)
		Adjust temperature control or call qualified service person
	Wrong dispensing gas (glycol systems usually require a mixed gas blender)	Change to mixed gas blender and use target pressure
	Glycol pump functioning (check return line)	Call qualified service person to adjust glycol chiller temperature or operation
	Gas regulators incorrectly set	Contact installer
	Applied pressure too low	Adjust CO2 regulator to brewer's specification
	Applied pressure too high	
	Coupler washer defective	Replace coupler washer
	Faucet washer defective	Replace faucet washer
	System dirty	Clean system or call line cleaning service
	Glycol power pack failure; check condenser, glycol concentration	Call qualified service person to clean clogged condenser fins, check glycol strength, and service glycol chiller
	Beer foaming in jumper line due to tom or ripped keg valve seal	If seal is ripped/tom, gas enters the liquid flow stream causing foaming. Replace keg and report defective keg to distributor
	Beer foaming in jumper line due to physical obstruction at coupler-valve junction	Remove any physical obstruction or debris (e.g., a piece of a dust cover) that could prevent the coupler from fully engaging and allowing gas to enter the liquid flow
Beer foaming at faucet due to clogged vent hole(s)	Disassemble and clean faucet, or call line cleaning service	
No beer at faucet	Empty CO2 source, N2 source, or mixed gas bottle	Replace with appropriate full gas bottle; refill bulk CO2 or N2 tank; check nitrogen generator
	Regulator shut-off valve closed	Open shut-off valve
	Gas bottle or bulk tank main valve turned off	Turn on gas bottle or tank main valve
	Keg empty	Replace with full keg
	Coupler not engaged	Tap keg properly and engage coupler
	Check ball in coupler one-way valve stuck	Free check ball
	Line/faucet obstructed	Clear line/faucet of obstruction by cleaning; if frozen, allow lines to thaw
	FOB needs reset	Reset FOB
	Pneumatic beer pump(s) failure	Check gas supply to pump(s); check pump diverter setting