HEATING TIP DATA

Heating Tips Oxyacetylene or Fuel Gas	Tip Size	Acet./Fuel Gas Pressure *** Range PSIG	Oxygen Pressure *** Range PSIG	Acetylene SCFH	Oxygen SCFH
Type 11, 12** V-Style Type Tip - or - **Type 11- H+** H-Style Type Tip - or - **Type 911** A-Style Type Tip	**5**	**7-10**	**10-15**	**6-20**	**7-25**
	6	**7-10**	**10-15**	**14-40**	**15-45**
	8	**10-15**	**20-30**	**30-80**	**35-90**
	10*	**12-15**	**25-40**	**40-100**	**45-115**
	12*	**12-15**	**40-60**	**60-150**	**70-170**
	15*	**12-15**	**40-60**	**90-220**	**100-250**
Type 28,29 V-Style Type Tip - or - **Type 7928-79+ 7928-43** H-Style Type Tip - or - **Type 37** A-Style Type Tip	**2**	**5-7**	**5-8**	**3-9**	**4-10**
	4	**5-7**	**8-12**	**7-20**	**10-20**
	6	**8-12**	**10-15**	**14-40**	**15-45**
	8	**10-15**	**20-30**	**30-80**	**35-90**
Type 13, 17 V-Style Type Tip	**15,30**	**8-12**	**10-20**	**15,30**	**17,33**

+ Equal acetylene and oxygen pressures
NOTE: When tips are used with fuel gas, use higher pressures and one size larger.

* Use 3/8" hose on large tips for more gas flow.
** Type 12 for fuel gas only (Not Acetylene).
*** **IMPORTANT:** Increase fuel gas pressures to obtain proper gas flow and avoid backfire and flashback. An acetylene flame must have excessive smoking cleared to provide adequate gas flow - increase fuel regulator pressure enough to clear smoke from flame. Provide and monitor adequate gas supplies.
DO NOT allow cylinders to become completely empty.

Heating Tips Fuel Gas Only (Not Acetylene)	Tip Size		Oxygen Pressure PSIG	Fuel Gas Pressure PSIG	Consumption, SCFH	
					Oxygen	Fuel Gas
TYPE 45 V-Style Type Tip - or - **TYPE 945** A-Style Type Tip	10*		70-100	15-25	350-480	150-200
	15*		90-120	20-35	600-800	250-350
	20*		100-150	30-50	900-1150	400-500
2290 - H H-Style Type Tip 1/2" x 25 (F) Thread V-Style Type Tip 1/4" x 18 NPT (F) Thread	2290 - 1H	2290 - 1V	10-25	4-12	160-320	40-80
	2290 - 2H*	2290 - 2V*	15-45	7-22	220-520	55-130
	2290 - 3H*	2290 - 3V*	25-70	8-25	340-920	85-230
	2290 - 4H*	2290 - 4V*	50-110	10-30	640-1300	160-325
	2290 - 5H*	2290 - 5V*	60-135	14-40	720-1600	180-400

NOTE: Data is based on 25ft. of 1/4" hose and PSIG reading on regulators; increase for longer lengths about 3 PSIG per 25ft.; increase working pressure 2-3 PSIG for check valves and flash back arrestors. 3/8" hose is recommended for large tips. Manifolding of cylinders may be required for high demand operations to provide adequate volume. See warning, re: acetylene cylinder withdrawal rate.