

### Model 243 Capacity Tables

#### Model 243-8HP in SCFH of Natural Gas (0.6 Specific Gravity – 14.65 psia – 60°F)

Outlet Pressure	Inlet Pressure psi	1¼" Model 243-8HP				1½" Model 243-8HP					2" Model 243-8HP				
		Orifice Size and Valve Angle				Orifice Size and Valve Angle					Orifice Size and Valve Angle				
		¾" 10°	½" 10°	⅜" 10°	¼" 10°	1" 30°	¾" 10°	½" 10°	⅜" 10°	¼" 10°	1" 30°	¾" 10°	½" 10°	⅜" 10°	¼" 10°
Setpoint 5 psi 1 psi Droop Cadmium Spring 3 to 6½ psi 143-16-021-08	10	3300	2050	2000	1300	6000	5500	3200	2300	1300	6000	5500	3200	2400	1300
	15	3400	3100	2200	1700	8600	6500	4400	3200	1700	8600	6000	4400	3200	1700
	25	4400	3650	3050	2400	12000	9300	6100	4800	2400	13000	8200	6100	4800	2400
	40	5800	3800	3200	3200	12000	8500	6100	3200		12000	8700	6100	3400	
	60		4400	4100	4400		10000	8700	4400			10000	8700	4600	
	80		4500	5300	5600		11000	10000	5600			11500	10000	5600	
	100			6000	7000			11000	7000				11000	7000	
	125				8000				8000						8000
Setpoint 7 psi 1 psi Droop Cadmium- White Springs 6 to 10 psi 143-16-021-03	10	2300	2000	1800	1000	2500	2300	2000	1600	1000	2700	2500	2100	1600	1000
	15	3000	2800	2200	1400	5000	4000	2500	2200	1500	5900	4300	2800	2400	1500
	25	5400	4100	3300	2000	8500	6500	4300	3500	2000	8600	6600	4600	3600	2000
	40	7600	5600	4800	2800	9500	6500	5000	3000		10000	7200	5600	3000	
	60		7500	6200	3800		9000	6500	4000			9700	7000	4500	
	80		8800	7200	5200		11000	8500	5000			12000	9000	5500	
	100			8600	5800			10500	5500				11500	7000	
	125				7000				5500						5500
Setpoint 7 psi 2 psi Droop Cadmium- White Springs 6 to 10 psi 143-16-021-03	10	5400	3500	2500	1400	8000	5500	3500	2500	1300	8600	6000	4300	2700	1400
	15	7400	5000	3500	1800	10500	8000	5000	3500	1700	12700	8900	5700	3800	1800
	25	10000	7600	5500	2500	15000	12000	8000	5000	2300	18600	13500	8600	5700	2400
	40	12500	10000	7500	3500	16000	11500	7500	3300		19000	12500	8000	3500	
	60		12500	9500	4800		15000	9500	4500			17000	10000	4800	
	80		14000	11500	6100		17500	12500	5500			20000	13500	6200	
	100			13500	7200			15500	7000				16500	7300	
	125				8800				7000						8100
Setpoint 10 psi 1 psi Droop Cadmium- White Springs 6 to 10 psi 143-16-021-03	15	2500	2200	1800	1200	3500	3000	2000	1300	1000	3600	3000	2000	1800	1000
	25	4800	3500	2800	1900	6500	5000	3500	2500	1900	6800	5700	4000	3000	1900
	40	7200	5000	4000	2500	8000	5500	4300	2500		8600	5700	4600	2800	
	60		6700	5700	3500	10500	7500	6000	3500			8600	6400	4300	
	80		7800	6600	4600		9000	7500	4500			10500	8400	5200	
	100			7800	5400			9500	6000				10700	6500	
	125				6500				7000						8000
Setpoint 10 psi 2 psi Droop Cadmium- White Springs 6 to 10 psi 143-16-021-03	15	6000	4000	2800	1700	8500	6500	4000	2500	1500	9000	6600	4800	3000	1500
	25	9000	6500	5000	2500	12000	10500	7000	4500	2300	15500	11000	7400	5000	2400
	40	12000	9000	7000	3500	15000	10000	7500	3000		16500	11000	7700	3200	
	60		12000	9400	4700		14000	10000	4500			15000	10700	4800	
	80		13000	11000	6000		17000	12000	5500			18500	13000	6000	
	100			13000	7000			15000	7000				16000	7300	
	125				8800				9000						9000

The last capacity figure in each group indicates the maximum allowable inlet pressure (except for emergency conditions). The stepped line indicates the recommended maximum capacity and inlet pressure for each orifice for operation within the optimum performance range.

**NOTE:** The performance data is based on normal testing at 70°F flowing temperature. Changes in performance can occur at extreme low flowing temperatures.