

NOTE: All tables are for use as a guide only. Specifications may change without notice.

## Flow Rates

### Cylinder Regulators

#### Cylinder Regulator Flow Rates

Model	Q max <sup>∞</sup> m <sup>3</sup> /h							P3 <sup>§</sup>	Flow m <sup>3</sup> /h	
	Ac	O	Air	Ni	Ar	H	He	P3 bar	P	CO <sub>2</sub>
801-1.5, 821-1.5, 814-1.5, 818-1.4	14	-	-	-	-	-	-	4	15	-
801-4, 821-4, 814-4, 818-4	-	21	22	23	19	-	-	9	15	91
801-10, 821-10, 814-10, 818-10	-	54	57	58	48	-	-	21	-	91
825-1.5, 829-1.5	14	-	-	-	-	-	-	4	15	-
825-4, 829-4	-	21	22	22	19	84	59	9	15	91
825-10, 829-10	-	54	57	58	48	216	152	21	-	91
825-15	-	72	76	77	64	289	204	31	-	91
825-25	-	103	109	111	92	413	292	51	-	91
825-40	-	98	103	105	88	392	278	81	-	56
829-8	-	45	47	8	40	-	-	17	-	91
896-1.5	10	-	-	-	-	-	-	4	11	-
896-4	-	25	26	27	22	99	70	9	10	41
896-10	-	48	50	51	43	191	135	21	-	65
896-15	-	58	61	62	52	232	164	31	-	59
896-25	-	49	52	53	44	198	140	51	-	44

### Pipeline Regulators

#### Pipeline Regulator Flow Rates

Model	Gas	Max. Delivery Pressure bar, kPa	Q max <sup>∞</sup> m <sup>3</sup> /h	P3 <sup>§</sup> Line Pressure bar, kPa
847-1, 5	Ac	1.5bar, 150kPa	16	1.5bar, 150kPa
847-4	P	4bar, 400kPa	32	5bar, 500kPa
847-4	O	4bar, 400kPa	97	15bar, 1500kPa
847-10	O	10bar, 1000kPa	107	15bar, 1500kPa
847-15	O	15bar, 1500kPa	112	15bar, 1500kPa

<sup>∞</sup> Q max - Measured at the regulator outlet with nearly empty cylinder pressure (P3). This is the minimum flow guaranteed during use from a full to empty cylinder. Higher flows are obtainable with higher inlet pressure.

§ P3 - Inlet (line) pressure.

Flow - Propane and CO<sub>2</sub> are liquified gases so the flow is measured at inlet pressures 7bar (pure Propane) and 55bar (CO<sub>2</sub>). For CO<sub>2</sub> regulators a heater is needed for continuous flow over 1m<sup>3</sup>/h.

**NOTE:** All Flows shown are measured according to the most recent international standard (En-585, ISO2503). Hoses, valves and other equipment may reduce the actual flow and pressure at the point of use. For more information and details of regulators, refer to tables on previous pages.

<b>Ac</b> = Acetylene	<b>Ar</b> = Argon	<b>F</b> = Fuel	<b>H</b> = Hydrogen	<b>Ni</b> = Nitrogen	<b>O</b> = Oxygen
<b>Air</b> = Compressed Air	<b>CO<sub>2</sub></b> = Carbon Dioxide	<b>He</b> = Helium	<b>NG</b> = Natural Gas	<b>NO<sub>2</sub></b> = Nitrous Oxide	<b>P</b> = Propane

## Comparison Charts

#### Cutting Tips

Metal Thickness	Series 41 / 44 Tips	Harris Tips
1-6mm	6	00
6-12mm	8	0
12-20mm	12	1
25-75mm	15	2
100-125mm	20	3
150-200mm	24	4
175-250mm	-	5
225-300mm	32	6

#### Welding Tips

Metal Thickness	Series 551 Tips	Harris Tips 5090, 23A90 & 1390
0.2-0.5mm	-	0
0.5-1mm	8	1
1-2mm	10	3
2-4mm	12	5
4-6mm	15	6
6-9mm	20	8
9-14mm	-	9
14-20mm	26	10