

Model 351

Economical zero compensated flowmeter regulator

Application & Features:

- ▶ Compact design
- ▶ Saves gas - operates at pressures lower than typical
- ▶ Maximum inlet pressure of 230 bar
- ▶ Temperature Range: -20 +60 °C
- ▶ Leak rate: max 10 cmq/h, according to ISO 9090
- ▶ Forged brass body and bonnet
- ▶ Diaphragm in Neoprene
- ▶ Valve seat in PTFE (Teflon)

MODEL NO.	GAS	MAX INLET PRESSURE (bar)	FLOW (Lpm)	SUPPLY PRESSURE GAUGE (bar)	FLOWMETER (Lpm)
351-30L-AR	Argon	230	0-30	0-315	0-30



Part No. 3100366

Model 821D-F

Economical zero compensated flowmeter regulator

Application & Features:

- ▶ Ideal for light and medium duty welding.
- ▶ Saves gas - operates at pressures lower than typical
- ▶ One regulator cylinder for two gas supply source with separate flow control;
- ▶ Two flowmeters (with knob at 180° to inlet) with soft seat needle valve for smooth and precise control;
- ▶ Rear entry;
- ▶ "B" version fitted with black bonnet and black gauge case.
- ▶ Rear inlet connection ideal for better visibility on smaller cylinder.

MODEL NO.	GAS	MAX INLET PRESSURE (bar)	FLOW (Lpm)	SUPPLY PRESSURE GAUGE (bar)	FLOWMETER (Lpm)
821-30-F-AR/CD 821DB-30-F-AR/CD	Argon / CO2	230	0-30	0-315	0-30



Part No. 3100408

Model 711

Electrically Heated Flow Meter CO₂ Regulator

Application & Features:

- ▶ CE marked
- ▶ Two independent heating elements controlled by thermostat
- ▶ Stabilized temperature up to 30 Lpm continuous CO₂
- ▶ Overheating protection with resettable thermal fuse
- ▶ Insulation IP 64 (EN 60529)
- ▶ Voltage: 110 and 240 volts versions
- ▶ 3 meters long (9.87 feet) power cable

MODEL NO.	GAS	MAX INLET PRESSURE (bar)	FLOW (Lpm)	SUPPLY PRESSURE GAUGE (bar)	FLOWMETER (Lpm)
351-30L-CD	CO ₂	230	25	0-315	25



Part No. 3100633



Model 25GX

Single Stage Regulator Acetylene

Application & Features:

- ▶ Heavy duty, large, strong regulator for the professionals.
- ▶ Enough flow to cut up to 400 mm steel
- ▶ Durable chrome bonnet
- ▶ Maximum inlet pressure of 230 bar
- ▶ Forged brass body for maximum strength
- ▶ Diaphragm in Neoprene, fiber reinforcement
- ▶ Large Ø 70 mm diaphragm stabilizes working pressure
- ▶ Side entry

MODEL NO.	GAS	MAX INLET PRESSURE (bar)	DELIVERY PRESSURE (bar)	MAX AIR FLOW (M ³ /h)	SUPPLY PRESSURE GAUGE (bar)	DELIVERY PRESSURE GAUGE (bar)
25GX-1,5AC	Acetylene	25	0-1.5	52	0-40	0-2.5



Part No. 3003718

Model 25GX

Single Stage Regulator Oxygen

Application & Features:

- ▶ Heavy duty, large, strong regulator for the professionals.
- ▶ Enough flow to cut up to 400 mm steel
- ▶ Durable chrome bonnet
- ▶ Maximum inlet pressure of 230 bar
- ▶ Forged brass body for maximum strength
- ▶ Diaphragm in Neoprene, fiber reinforcement
- ▶ Large Ø 70 mm diaphragm stabilizes working pressure
- ▶ Side entry

MODEL NO.	GAS	MAX INLET PRESSURE (bar)	DELIVERY PRESSURE (bar)	MAX AIR FLOW (M ³ /h)	SUPPLY PRESSURE GAUGE	DELIVERY PRESSURE GAUGE (bar)
25GX-D10-OX	Oxygen	230	0-10	170	0-315	0-16



Part No. 3003717



Model 6290-VVC

6290-VVC High Speed Oxy-Propane Cutting tip

Application & Features:

- ▶ Minimizes kerf
- ▶ Increase cutting speeds, reduces heat input
- ▶ High quality machine cuts, reduces afterwork
- ▶ Use with low cost fuel gases



6290-VVC
Plated shell



Oxy-Propane Cutting Tip Chart - Plated Shell

PART NO.	PLATE THICKNESS (mm)	CUTTING SPEED (mm/min)	CUTTING OX PRESSURE (bar)	PREHEAT OX PRESSURE (High - Low) (bar)	CUTTING OX FLOW (l/h)	PREHEAT OX FLOW (High - Low) (l/h)	PREHEAT FUEL FLOW (High - Low) (l/h)	HEATING POWER (High - Low) (Kcal/h)	KERF WIDTH (mm)
6290-5/0VVC	1 - 4	750 - 550	4.0	0.7 - 0.4	650	1410 - 900	350 - 230	7800 - 5100	1.3
6290-4/0VVC	4 - 6	700 - 520	2.5	1.0 - 0.5	1130	1410 - 900	350 - 230	7800 - 5100	1.5
6290-3/0VVC	6 - 9	650 - 480	5.0	2.5 - 0.7	2260	2800 - 1200	700 - 300	15600 - 6700	1.8
6290-00VVC	9 - 12,5	630 - 450	5.0	2.5 - 0.7	2540	2800 - 1200	700 - 300	15600 - 6700	1.8
6290-0VVC	12,5 - 20	600 - 400	6.0	2.5 - 0.7	3530	2800 - 1200	700 - 300	15600 - 6700	2.0
6290-0½VVC	20 - 35	550 - 360	7.0	2.5 - 0.7	4000	2800 - 1200	700 - 300	15600 - 6700	2.0
6290-1VVC	35 - 60	480 - 220	7.0	2.5 - 0.7	5560	2800 - 1200	700 - 300	15600 - 6700	2.3
6290-1½VVC	60 - 75	310 - 200	6.5	2.5 - 0.7	7070	2800 - 1200	700 - 300	15600 - 6700	2.8
6290-2VVC	75 - 100	280 - 190	6.5	2.5 - 0.7	8000	2800 - 1300	700 - 330	15600 - 7400	3.0
6290-2½VVC	100 - 125	240 - 180	7.0	2.5 - 0.7	9000	2800 - 1300	700 - 330	15600 - 7400	3.0
6290-2½VVC	125 - 150	200 - 160	6.5	2.5 - 0.7	11170	2800 - 1300	700 - 330	15600 - 7400	3.3
6290-3VVC	150 - 175	180 - 150	7.0	2.5 - 0.7	12000	2800 - 1300	700 - 330	15600 - 7400	3.5
6290-4VVC	175 - 200	180 - 150	6.5	2.5 - 0.7	14850	3000 - 1300	750 - 330	16700 - 7400	4.0
6290-5VVC	200 - 225	150 - 130	6.0	2.8 - 0.7	16410	3000 - 1510	750 - 380	16700 - 8500	5.0
6290-5½VVC	225 - 250	130 - 110	6.0	2.8 - 0.7	16980	3000 - 1630	750 - 410	16700 - 9100	6.4
6290-5NH	225 - 250	130 - 110	4.0	2.8 - 0.7	16980	3000 - 1880	750 - 470	16700 - 10500	6.4
6290-6NH	250 - 275	130 - 110	4.0	2.8 - 0.7	19520	3000 - 1880	750 - 470	16700 - 10500	6.4
6290-7NH	275 - 300	120 - 100	4.5	3.5 - 0.7	23340	3580 - 2510	900 - 630	20100 - 14000	6.4
6290-8NH	300 - 380	110 - 90	4.5	3.5 - 0.7	26170	3580 - 2510	900 - 630	20100 - 14000	7.6

(1) For a fast start, necessary when performing piercing and/or cutting thickness over 200 mm, use "high preheat".

For thickness up to 200 mm, switch from high to low preheat - just cut, it has started.

- All pressures are measured at torch inlet. - Use minimum 0.3 (bar) fuel gas pressure for equal pressure torches. - Use maximum 0.2 (bar) fuel gas pressure for injector equipment.

Model 6290-VAX

6290-VAX High Speed Oxy-Acetylene Cutting tip

Application & Features:

- ▶ Minimizes kerf
- ▶ Increase cutting speeds, reduces heat input
- ▶ High quality machine cuts, reduces afterwork
- ▶ Use with low cost fuel gases



6290-VAX
Plated shell



Oxy-Acetylene Cutting Tip Chart - Plated Shell

PART NO.	PLATE THICKNESS (mm)	CUTTING SPEED (mm/min)	CUTTING OX PRESSURE (bar)	CUTTING OX FLOW (l/h)	PREHEAT OX FLOW (l/h)	ACETYLENE FLOW (l/h)	HEATING POWER (Kcal/h)
6290-1VAX	0 - 8	650	2.5 - 4.0	850 - 1250	400	350	4740
6290-2VAX	8 - 15	600	5.0	2400	450	420	5690
6290-3VAX	15 - 35	550	7.0	4000	500	440	5960
6290-4VAX	35 - 75	450	7.0	5000	580	500	6780
6290-5VAX	75 - 150	300	5.0	9000	660	600	8130
6290-6VAX	150 - 200	150	6.5	13500	600	800	10840

Use maximum 0.2 (bar) fuel gas pressure for injector equipment

Use minimum 0.3 (bar) fuel gas pressure for equilibrated pressure torches



Model 198-2T

Low pressure machine cutting torch for acetylene

Application & Features:

- ▶ Solid head for maximum strength
- ▶ Standard 32 mm or 35 mm diameter barrel
- ▶ All torches have inlet threads 9/16x18 UNF
- ▶ Quick opening cutting oxygen valve for immediate full flow
- ▶ Seperate preheat and cutting oxygen valves for high and low preheat control
- ▶ 3 tube design with optional rack (designated bt R in the part number)
- ▶ Cutting capacity up to 380 mm

LOW PRESSURE TORCHES (FOR ACETYLENE)				
PART NO.	Style	Weight (Kg)	Length (mm)	Barrel Ø (mm)
198-2	2 tube	1.30	250	32
198-2-30	2 tube	1.18	250	30
198-2-35	2 tube	1.39	250	35
198-2-35R	2 tube & rack	1.44	250	35
198-2A	2 tube	1.62	460	32
198-2T	3 tube	1.32	250	32
198-2T-30	3 tube	1.20	250	30
198-2T-30R	3 tube & rack	1.29	250	30
198-2TA	3 tube	1.67	460	32
198-2TA-30	3 tube	1.55	460	30
198-2TA-35	3 tube	1.78	460	35
198-2TA-35R	3 tube & rack	1.90	460	35
198-2TAR	3 tube & rack	1.75	460	32
198-2TR	3 tube & rack	1.38	250	32
198-4	3 tube	0.65	110	32
198-4B	3 tube G 1/4"	0.65	110	32
98-4	3 tube	0.73	110	35
98-4B	3 tube G 1/4"	0.73	110	35



Part No. 198-2T

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