

Pressure Charts

Contractor Equipment - Oxy Acetylene

Oxy Acetylene Contractor

Part No.	Size	Cutting Thickness mm	Oxy Pressure kPa	Fuel Pressure kPa
3690	00AC	0-6	100-200	35
3690	0AC	6-13	150-250	35
3690	1AC	13-25	200-350	35
3690	2AC	25-75	300-450	35

Oxy Propane Contractor

Part No.	Size	Cutting Thickness mm	Oxy Pressure kPa	Fuel Pressure kPa
3690	00P	0-6	100-200	35
3690	0P	6-13	150-250	35
3690	1P	13-25	200-350	35
3690	2P	25-75	300-450	35

Oxy Acetylene Weld, Heat & Braze Handle (19-6)

Part No.	Size	Oxy Pressure kPa	Acetylene Pressure kPa
0090	1, 3, 5, 6, 8	50	50
1390	1, 3, 5, 6, 8	50	50

Oxy Acetylene Weld, Heat & Braze Mixer (H192E)

Part No.	Size	Oxy Pressure kPa	Acetylene Pressure kPa
5090	1, 3, 5, 6, 8	50	50
J63	1	40	40
J63	2	50	50

Useful Data

kPa = Kilopascal	psi = Pound per square inch	mm = Millimetres	g = Gram
Mpa = Megapascal	ft³/h = Cubed feet per hour	cm = Centimetres	kg = Kilogram
L/min = Litres per minute	Btu = British thermal unit	in = inch	oz = Ounce
bar = A unit of pressure	cal = Calorie	ft = foot	lb = Pound

1 L/min	=	0.0353 ft ³ /min	=	2.118ft ³ /h
1 Btu	=	251.98cal		
1 cal	=	3.968 x 10 ⁻³ Btu		
1 in	=	2.539cm		
1 ft	=	30.4cm		
1 oz	=	28.35g		
1 lb	=	0.4536kg		
1 ft³/h	=	0.0283159 m ³ /h	=	28.3159 L/h = 0.472L/min
bar		kPa		psi
1 bar	=	100 kPa	=	14.50 psi
0.01 bar	=	1 kPa	=	0.1450 psi
0.06896 bar	=	6.896 kPa	=	1 psi

Conversion

From	To		Multiply By
m ³ /h	»	L/min	X 16.7
L/min	»	m ³ /h	X 0.06
ft ³ /h	»	m ³ /h	X 0.028
m ³ /h	»	ft ³ /h	X 35.31
bar	»	kPa	X 100
bar	»	Mpa	X 0.1
bar	»	psi	X 14.5
kPa	»	bar	X 0.01
Mpa	»	bar	X 10
psi	»	bar	X 0.069

NOTE: All tables are for use as a guide only. Specifications may change without notice. Gas abbreviations are not exact technical terms.