


 GOVERNMENT OF DUBAI	Organization Unit Public Health & Safety Department	الوحدة التنظيمية:	 بلدية دبي DUBAI MUNICIPALITY
	Form sheet title: Guidelines for Personal Protective Equipment – Eye and Face Protection	اسم النموذج :	
	Doc Ref. DM-PH&SD-P4-TG09	رقم النموذج :	

**TABLE 2
RECOMMENDED FILTERS FOR WELDING**

SPECIFICATION		
REF.: BS 679		
RECOMMENDED FILTERS FOR GAS WELDING Welding Process	<i>Filters required for:</i>	
	Welding without flux	Welding with flux
Gas welding of aluminium and aluminium magnesium alloys: Lead welding or oxy-acetylene cutting	3/GW	3/GWF
Oxygen machine and hand cutting, oxygen gouging, flame descaling, silver soldering, fusion welding of zinc base die casting, bronze welding of light gauge copper pipe and light gauge steel sheet.	4/GW	4/GWF
Fusion welding of copper and copper alloys, of nickel and nickel alloys, of steel plate, all bronze welds in heavy gauge steel and cast iron, except pre-heated work, re-building work of relatively small parts and areas for fusion welding, all hard surfacing operations, including rail-surfacing	5/GW	5/GWF
Fusion welding of heavy steel, of heavy cast iron, fusion welding and bronze welding of pre-heated cast iron and steel castings. Re-building large steel areas, e.g. large cams, etc.	6/GW and 7/GW	6/GWF and 7/GWF
RECOMMENDED FILTERS FOR ELECTRIC WELDING Welding Process	Approx. Range of welding current (in amps)	Filter(s) required
Metal-arc welding (coated electrodes), Continuous covered - electrode welding, Carbon dioxide shielded continuous covered-electrode welding.	UP to 100	8/EW, 9/EW
	100-300	10/EW, 11/EW
	Over 300	12/EW, 13EW 14/EW
Metal-arc welding (bare wire), Carbon-arc welding, Inert-gas metal-arc welding, Atomic hydrogen welding	Up to 200	10/EW, 13/EW
	Over 200	12/EW, 11/EW 14/EW
Automatic CO2 shielded metal-arc welding (bare wire)	Over 500	15/EW, 16/EW

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Inert-gas tungsten -arc welding	Up to 15	8/EW
	15-75	9/EW
	75-100	10/EW
	100-200	11/EW
	200-250	12/EW
	250-300	13/EW, 14/EW