



## C-702 LATHE BURNERS

The Carlisle C-702 Lathe Burner uses modified CC Burner (Bulletin 10A) heads in a 2, 4, or 6 head configuration. Each head is controlled independently through the use of remote metering blocks, such as the Carlisle VMB controllers (Bulletin 16E). With such a fine control, the operator is able to produce flames anywhere from pin point to 1" in diameter.

The lathe burners in the C-702 series have beds and arms that are comprising completely of stainless steel. The C-702 heads are constructed with a brass outer casing and a stainless steel tube matrix. For extra protection against burner degradation, the casings can be made from a resilient stainless steel.

The C-702 Lather Burner Series is standardly offered in three separate configurations. The first of these is the style "L". This style offers a 2, 4, or 6 head lathe burner with totally surface mixed heads but without any hoses or VMB controllers. The style "LA" offers the same setup as the style "L", but with braided Teflon<sup>®</sup> hoses and VMB-2 controllers added on. The last style is the "CF-LA", which is offered only with 2 or 4 heads. This style has a surface mixed outer fire and a pre-mixed inner fire (customer must specify if hydrogen is to be used) much like that of the CC Burner. It's flame characteristics are very similar to the CC Burner's and can give many of the same flame working conditions. The style "CF-LA" also comes with braided Teflon<sup>®</sup> hoses and VMB-4 controllers.

CATALOG NUMBER	MODEL	STYLE	NO. OF HEADS
12B015-0000	C-702-2L	"L"	2
12B017-0000	C-702-4L	"L"	4
12B019-0000	C-702-6L	"L"	6
12B014-0000	C-702-2LA	"LA"	2
12B016-0000	C-702-4LA	"LA"	4
12B018-0000	C-702-6LA	"LA"	6
12B028-0000	C-702-CF-2LA	"CF-LA"	2
12B029-0000	C-702-CF-4LA	"CF-LA"	4

## C-705 LATHE BURNERS

The C-705 Lathe Burners feature 2, 3, 4, and 6 head models. The beds and arms are made from aluminum while the heads have brass outer casings and a stainless steel tube matrix. The burner heads of the C-705 Lathe Series are comparable to the GR Burner (Bulletin 10B) and therefor have nearly twice the flame output of the C-702 Lathe Burner Series. The C-705 Lathe Burner heads are totally surface mixed. For a pre-mixed center fire, GR Burners can substitute for any of the C-705 Burner heads in these assemblies other than the two innermost heads.

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The C-705 Lathe Burner Series is standardly offered in three separate configurations. The first of these is the style "L". This style is offered with 2, 3, 4, or 6 heads, but without any hoses or VMB controllers. The style "LA" offers the same setup as the style "L", but with braided Teflon<sup>®</sup> hoses and VMB-2 controllers added on. The last style is the "CF-LA", which is offered only with 3, 4, or 6 heads. This style uses the C-705 Burner heads on the two inner arm positions, and a standard GR Burner on the outer arm positions. The GR uses a pre-mixed center fire (customer must specify if hydrogen is to be used) and a surface mixed outer fire. These burners have very similar flame outputs and flame characteristics to that of the C-705 Burner heads. The "CF-LA" style is also supplied with braided Teflon<sup>®</sup> hoses, VMB-2 controllers for the C-705 heads, and VMB-4 controllers for the GR heads.

CATALOG NUMBER	MODEL NUMBER	STYLE	NO. OF HEADS
12B002-0000	C-705-2L	"L"	2
12B003-0000	C-705-3L	"L"	3
12B004-0000	C-705-4L	"L"	4
12B005-0000	C-705-6L	"L"	6
12B006-0000	C-705-2LA	"LA"	2
12B007-0000	C-705-3LA	"LA"	3
12B008-0000	C-705-4LA	"LA"	4
12B040-0000	C-705-6LA	"LA"	6
12B061-0000	C-705-CF-3LA	"CF-LA"	3
12B062-0000	C-705-CF-4LA	"CF-LA"	4
12B063-0000	C-705-CF-6LA	"CF-LA"	6

## C-702 HAND TORCH

C-702 Hand Torches offer a flame similar in all characteristics to the CC Burner (Bulletin 10A). They are manufactured in both totally surface mixed versions, and also with a pre-mixed center fire and surface mixed outer fire. These Hand Torches come in a variety of different setups as shown below.

**C-702-HT:** This hand torch model is totally surface mixed and may be utilized with a single VMB-2 controller (Bulletin 16E).

**C-702-LHT:** Identical to the C-702-HT save that it is equipped with a longer and more ergonomic handle.

**C-702-CF-HT:** Much like the CC Burner, this torch uses a pre-mixed center fire with a surface mixed outer fire. For controls it is recommended that a VMB-4 mixing control block (Bulletin 16E) is used.

**C-702-CF-LHT:** Identical to the C-702-CF-HT save that it is equipped with a longer and more ergonomic handle.

**C-702-CF-EHT:** Similar to the C-702-CF-HT this hand torch is equipped with a push button which controls a set of solenoid valves for the outer fire. One push of the button can either turn the outer fire off or on without having to adjust any valves.



C-702-LHT  
12B031-0000

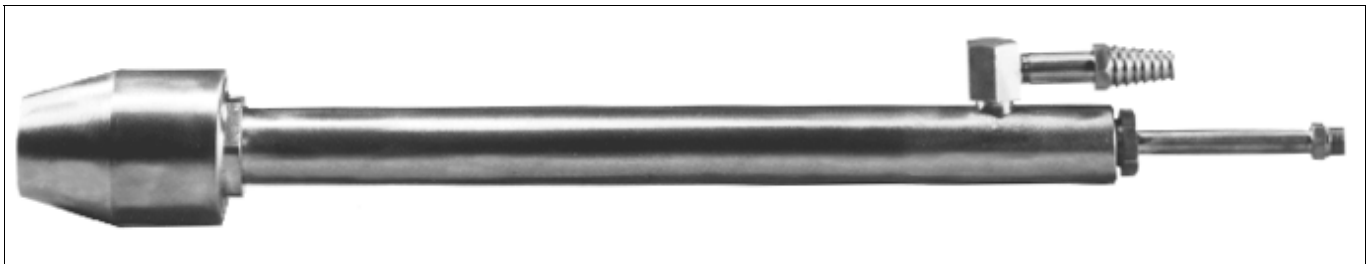
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CATALOG NUMBER	MODEL NUMBER	CENTER FIRE
12B012-0000	C-702-HT	SURFACE MIXED
12B031-0000	C-702-LHT	SURFACE MIXED
12B014-0000	C-702-CF-HT	PRE-MIXED
12B030-0000	C-702-CF-LHT	PRE-MIXED
12B013-0000	C-702-CF-EHT	PRE-MIXED

BULLETIN REFERENCES	
Certain burners in the C-702 Hand Torch Series are pre-mixed. As with any pre-mixed burner, be sure to use the proper equipment:	
Mixers-	Bulletins 17C, 16E
Controls-	Bulletins 16A, 16B, 16C, 16E
Safety-	Bulletins 18A, 18B

## C-705 HAND TORCH



**C-705-LHT  
12B001-0000**

The C-705 Hand Torch is a completely surface mixed burner. This allows for a wide variety of fuel gases including natural gas, propane, and hydrogen with oxygen. This torch does not require the use of special mixing devices and the possibility of a flashback is minimal. The C-705 Hand Torch model is a very customizable item. A few of the available options are listed below.


**Angled Head:** This option will allow the torch to be ordered with a head angled anywhere from 1 deg. to 90 deg.

**Water Cooling:** By slipping a jacket over the head of the C-705 Hand Torch, we can give the added heat resistance and decreased burner degradation of a water cooled head.

**Stainless Steel Head:** The C-705 is normally manufactured from brass with a stainless steel tube matrix. With this option, the handle would remain brass while the entire head would instead be constructed from stainless steel. This option will also help to decrease burner degradation.

**Wooden Handle:** With this option an ergonomic wooden handle is added to the feed tube.

**Valving:** Valves can be added directly to the base of the torch rather than working with a remote metering system such as the VMB-2 (Bulletin 16E).

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