

KNIGHT DRAGON FIRE BENCH BURNER

Operates on Hydrogen, Natural and L.P. Gases

The Knight Dragon Fire Bench Burner, long an industry standard, is newly designed to provide improved flame characteristics, better control and quiet, cooler operation. It is available in either brass or stainless steel and comes supplied with a heavy-duty brass base for greater stability.

The Dragon Fire is machined from solid bar stock to eliminate the possibility of internal leaks, sometimes found in castings. The valves are color-coded for convenience and safety.

N.M. Knight Co., Inc. has become the benchmark in the industry for the highest quality in standard, as well as custom-designed burners, torches and combustion supplies. Our engineers are prepared to assist you in your burner application.



Dragon Fire (Model 4855)
on Height Adjustable Base

KNIGHT DRAGON FIRE BENCH BURNER

NEWLY DESIGNED

- Now uses a hex shell for easy field service
- Improved design eliminates need for cooling fins
- Solid brass body eliminates slow internal leaks, which can cause overheating
- Locking knob for safe, positive positioning of burner work angle height-adjustable base

SURFACE MIXED

- Outer fires are surface mixed
- Quiet operation
- Improved flame characteristics
- Improved center fire
- Center fire holder and tip made from stainless steel

FINE THREAD NEEDLE VALVES

- Color-coded for convenience and safety
- Provides even gas and oxygen distribution
- Requires only two hose connections

IMPROVED BASE

- Heavy brass base for stability
- Height adjustable or conventional ball base available
- Designed for easy lathe mounting

OPTIONS AVAILABLE

- Chrome plating
- Stainless steel shell and tube separators for quartz applications
- Unpiloted center fire for use with hydrogen or propane, or
- Piloted center fire for natural gas – Please specify at time of order.

COMBUSTION DATA

Consumption

- Natural Gas 90 CFH (2.55 m³/h)
- Oxygen 180 CFH (5.1 m³/h)

Recommended Operation Pressure

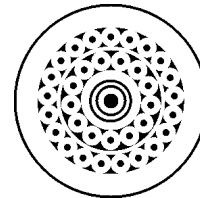
- Fuel Gas 5 PSI (0.3515 kg/cm²)
- Oxygen 10 PSI (0.7030 kg/cm²)

Minimum Operation Pressure

- Fuel Gas 2 PSI (0.1406 kg/cm²)
- Oxygen 5 PSI (0.3515 kg/cm²)



Dragon Fire (Model 4855-B)
on Ball Pivot Base



Hole Pattern

BURNER NUMBER	MATERIAL (BODY & SHELL)	BASE	FUEL GASES
4855	Brass	Height Adjustable	Natural Gas
4855-S	Stainless Steel	Height Adjustable	Natural Gas
4855-P	Brass	Height Adjustable	Hydrogen/Propane
4855-SP	Stainless Steel	Height Adjustable	Hydrogen/Propane
4855-B	Brass	Ball-Pivot	Natural Gas
4855-SB	Stainless Steel	Ball-Pivot	Natural Gas
4855-BP	Brass	Ball-Pivot	Hydrogen/Propane
4855-SBP	Stainless Steel	Ball-Pivot	Hydrogen/Propane



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N.M. KNIGHT CO., INC.

Our Ideas Redefine Industry Standards

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