Discport Burner

No blower. No compressed air.
Buzzer
No complicated piping. Simple.

605 discport burner pre-packaged with optional stand, pilot, and safety valve (top port style)

The ***Buzzer*** discport burner is designed to provide a large volume of heat within a tight combustion chamber. Our simple discport burners have been steady workhorses for over 85 years, providing quick and intense heat for a wide variety of industrial heating applications. The flexible discport burner is easily modified to operate on high pressure natural or propane gas (which at 5 PSI will double the listed BTU output). The discport burner is also available with two styles of "space-saving" cast iron burner heads.

Features

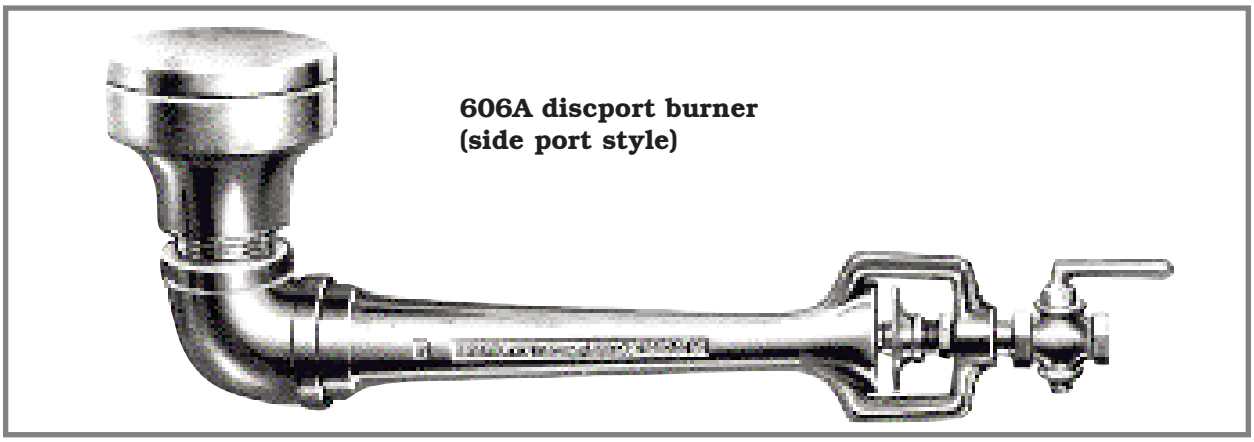
The discport burner comes with one of two different "space-saving" burner heads, depending upon the model chosen. Our original style cast iron head (see accompanying photograph) produces a circular flame slightly smaller than the burner diameter. This circular flame is not as focused or as concentrated as a torch-type flame, making it softer on applications in which flame impingement occurs. Our original discport burner head is constructed of thick cast iron and will perform well in high ambient conditions.

The newer style burner head (designated with the suffix "A") is available on all five standard sizes. Our A-style burner head produces a shorter and wider flame pattern. This shorter pattern is ideal for combustion chambers in which vertical head space is highly limited. Our newer style head (see accompanying photograph) produces a 360° flame generated from between the top and bottom section of the burner. This uniform flame pattern is about 6 inches larger than the diameter of the burner head. Our A-style burner head is also constructed of thick cast iron and will perform well under high ambient conditions.

The discport burner can be set up to operate on natural or propane gas. Conversion from one type of fuel to the other requires only a simple orifice change.

Gas furnaces for heat treating & melting.
Buzzer
Venturi gas burners. Since 1911.

Discport Burner



606A discport burner (side port style)

Applications

The ***Buzzer*** discport burner can supply efficient gas heat for tanks, kettles, and furnaces to meet the need of a wide variety of industrial applications. Common applications include: die casting machinery, battery manufacturing, and other metal melting equipment. They are also commonly used on cleaning tanks, hot rinse tanks, evaporators, boilers, heat exchangers, asphalt melting, pre-heating, singeing, and flame-treating applications.

Model	Diameter in inches	Length in inches	Height in inches	Weight in pounds	Gas connection in inches	BTU's per hour in 1,000's
605	4 3/8	19	7	10 1/4	3/8	50
606	5	22	8 1/2	14 1/2	1/2	80
607	8	28	10	30	1	125
608	8	33	11	40	1	175
605A	4 3/8	19	7 1/2	10	3/8	65
606A	5	22	9	14	1/2	100
607A	8	28	10 1/2	30	1	150
608A	8	33	11	40	1	250

Please note: length is measured from end of burner head to end of gas cock. Height is from bottom of ell to top of burner head. Ratings for Nos. 605A through 607A can be increased slightly in the field during installation by raising adjustable cover and enlarging orifice. Ratings will then increase from about 10% on No. 605A to about 20% on No. 607A. Pressure gauges with 2 1/2" dial available for 0-15" w/c and 0-60" w/c. Optional stand is 4" in diameter and adds 3 inches to height.