

PRIMARY
AIR SHUTTER

1.875 O.D. x .125 THICK
THD. 3/8-24 NF
RADIUS EDGES

BRAZE

3/8-24 NF THD.
THROUGH OUT

3/8-24 x .125 LG. JAM NUT
FIXED TO THREADED TUBE
WITH A DROP OF SILVER
SOLDER.

STD. 3/16 BRASS
COMPRESSION NUT

.188 D. (BRASS)
O-RING

ORIFICE CARRIER

.250 O.D. BRASS TUBE
WITH SHOULDER ONE END,
#38 DRILL THRU,
TAP 5-40 THD. OPF. END,
SLIDING FIT WITH IN
THREADED TUBE REQ'D.

ORIFICE SPUD

5/40 MALE THD.
MAKE FROM 5/32 HEX BRASS
*HOLE SIZE AS SPECIFIED IN
BURNER DESIGN.

.750 O.D. x .500 L.G. BUSHING,
BORE & THD. 3/8-24 NF AFTER
BRAZING TO MAINTAIN
CONCENTRICITY WITH THE THROAT.

FULL SCALE

NOTE: AN IMPORTANT FEATURE OF THIS DESIGN IS THAT
IT ALLOWS EASY ACCESS TO THE ORIFICE SPUD
WITHOUT HAVING TO DISMANTLE THE BURNER HEAD
BY REMOVING THE COMPRESSION NUT & TAILPIECE
AND WITH-DRAWING THE ORIFICE CARRIER.

MIXING HEAD FOR
LOCOMOTIVE PROPANE
BURNERS

35,000 - 75,000 INPUT

A. VON RUEDEN
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