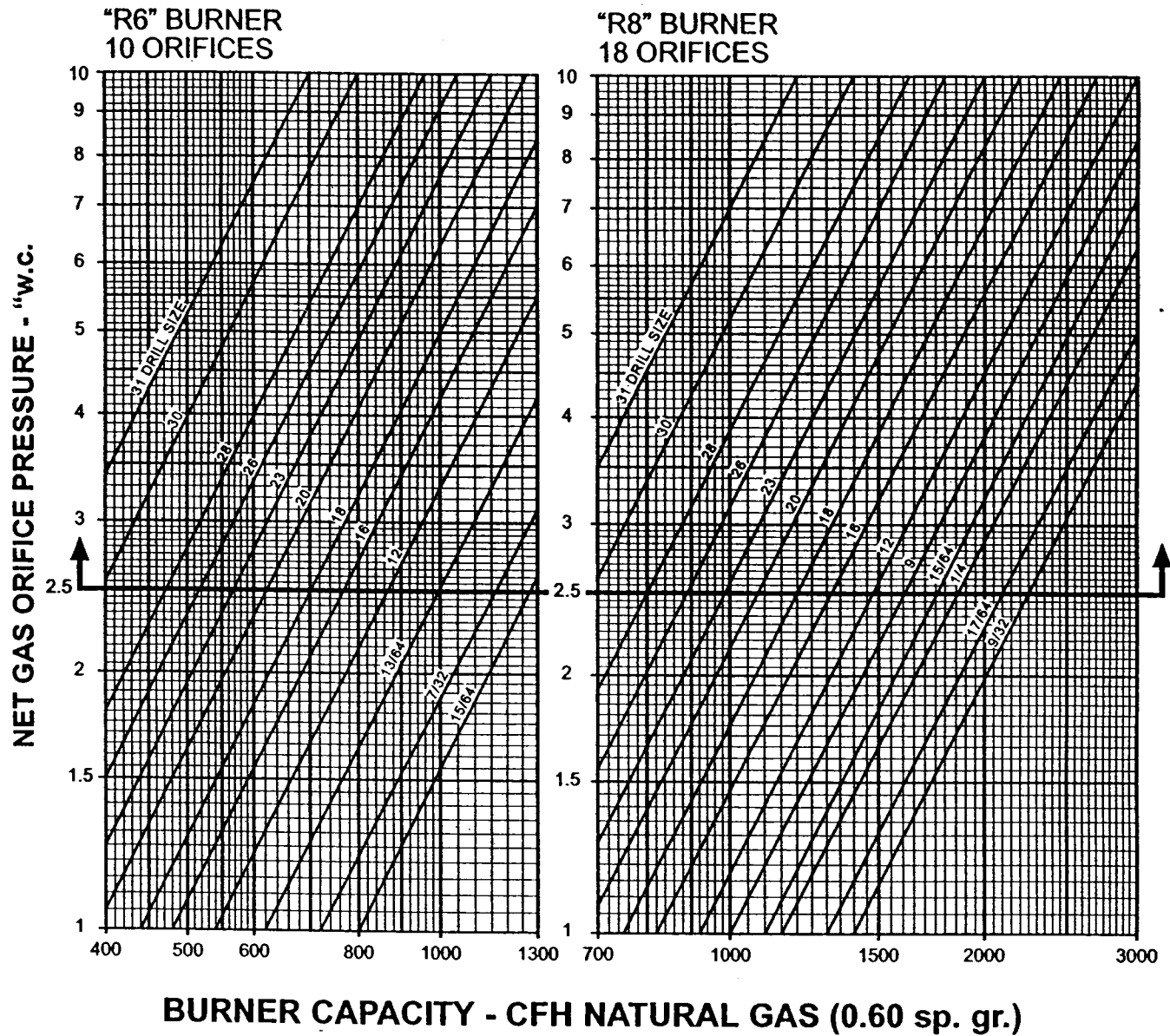


TYPE **R** TURBO RING BURNER

GAS ORIFICE PRESSURE DROP INFORMATION

NET ORIFICE GAS PRESSURE



NOTE Recommended Pressure For Best Performance.

NOTE "Net" gas orifice pressure is manifold gauge pressure less combustion chamber pressure.

NOTE For equivalent flow of propane (in MBh) multiply the pressures shown above for natural gas X .40.

EXAMPLE: R8 BURNER WITH 2000 CFH INPUT

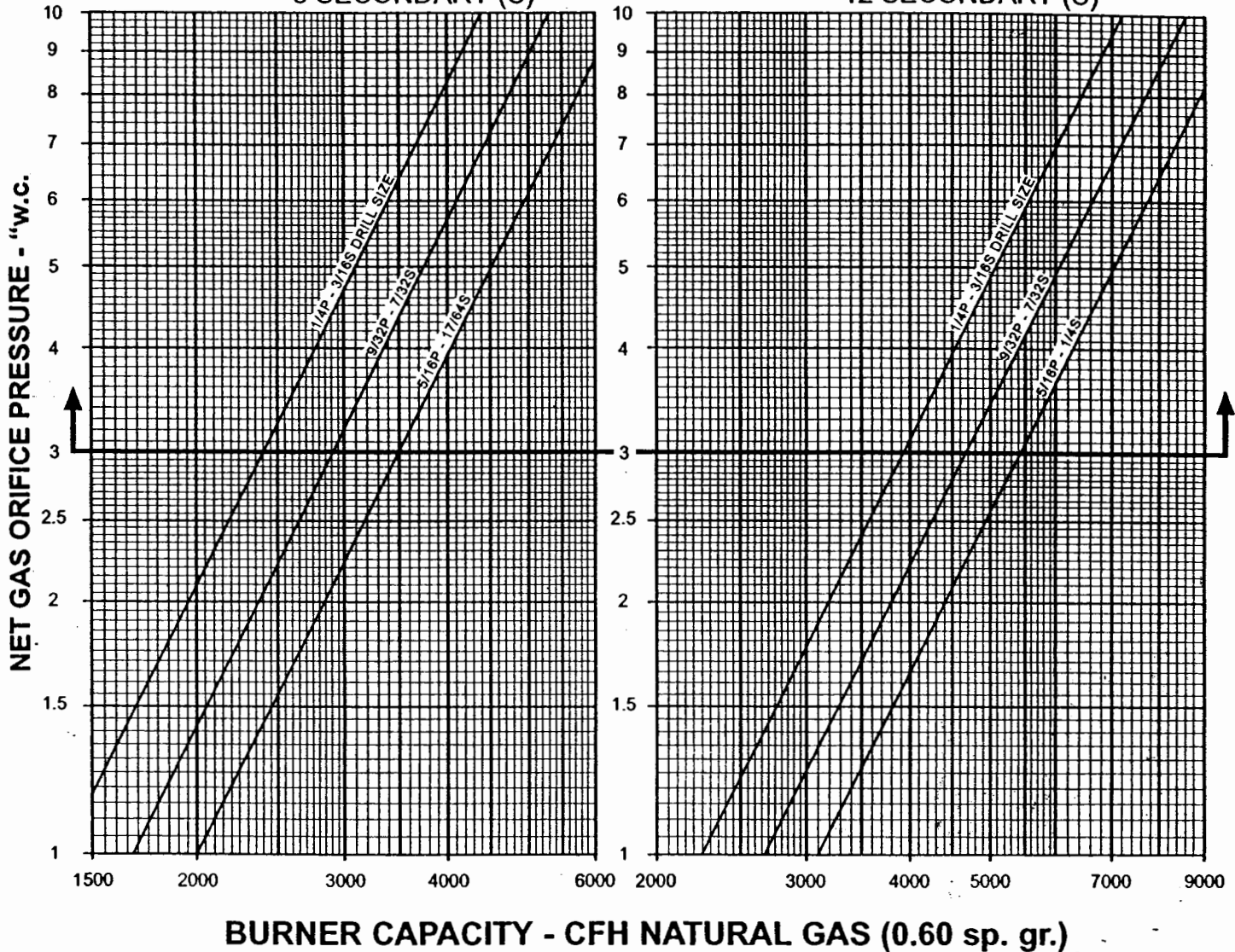
NET GAS ORIFICE PRESSURE W/#9 SIZE DRILL	-----	3.8" W.C.
COMBUSTION CHAMBER PRESSURE	-----	<u>0.2" W.C.</u>
TOTAL PRESSURE AT ORIFICE	-----	4.0" W.C.
*PRESSURE DROP THRU 2" DIAPHRAGM CONTROL TRAIN	-----	<u>1.09" W.C.</u>
TOTAL PRESSURE REQUIRED AT INLET TO CONTROL TRAIN	-----	5.09" W.C.

*SEE CATALOG DATA SHEET 1-GEN-10.53 TO DETERMINE GAS TRAIN PRESSURE DROPS.

NET ORIFICE GAS PRESSURE

"R10" BURNER
ORIFICES: 16 PRIMARY (P)
8 SECONDARY (S)

"R12" BURNER
ORIFICES: 23 PRIMARY (P)
12 SECONDARY (S)



NOTE

Recommended Pressure For Best Performance.

NOTE

"Net" gas orifice pressure is manifold gauge pressure less combustion chamber pressure.

NOTE

For equivalent flow of propane (in MBh) multiply the pressures shown above for natural gas X .40.

EXAMPLE: R10 BURNER WITH 3000 CFH INPUT

NET GAS ORIFICE PRESSURE W/ 9/32 - 7/32 SIZE ORIFICES	-----	3.2" W.C.
COMBUSTION CHAMBER PRESSURE	-----	0.2" W.C.
TOTAL PRESSURE AT ORIFICE	-----	3.4" W.C.
*PRESSURE DROP THRU 2" MOTORIZED CONTROL TRAIN	-----	<u>2.6" W.C.</u>
TOTAL PRESSURE REQUIRED AT INLET TO CONTROL TRAIN	-----	6.00" W.C.

*SEE CATALOG DATA SHEET 1-GEN-10.53 TO DETERMINE GAS TRAIN PRESSURE DROPS.

