

AIR/OIL RATIOTROL

SAIFEE COMBUSTION EQUIPMENT

SAIFEE RATIOTROLS proportion oil flow to combustion air flow in cross-connected control systems. Outlet oil pressure from the Ratiotrol is proportional to impulse air signal. As combustion air is turned up or down, the Ratiotrol causes oil to follow it in proportion. Desired air/oil ratio is set with a Sensitrol Oil Valve at the burner.

CAPACITY IN LITRES PER HOUR (#2 OIL)

RATIOTROL	AIR IMPULSE PRESSURES			
	8	12	16	24
52-01	208	253	295	360
52-01-V	136	170	197	238
52-0	609	745	859	1037
52-0-V	382	465	537	647

A single Ratiotrol can serve several burners when it is cross-connected downstream of the zone air control valve if burners are on one side of furnace and difference in their elevation is less than 12".

RECOMMENDED INLET PRESSURE

SIZE	Air Impulse (OSI)	Inlet Pressure (PSIG)
52-01	6-32	25
	36	30
	40	35
52-0	6-16	25
	20	30
	24	35
	34	45



SPECIFICATIONS

MAXIMUM OIL TEMPERATURE:

80°C for standard 52

150°C for 52--V (with viton diaphragms)

OPTIONAL GAUGES (AND THERMOMETER):

52-01: inlet and outlet oil pressure, air impulse pressure

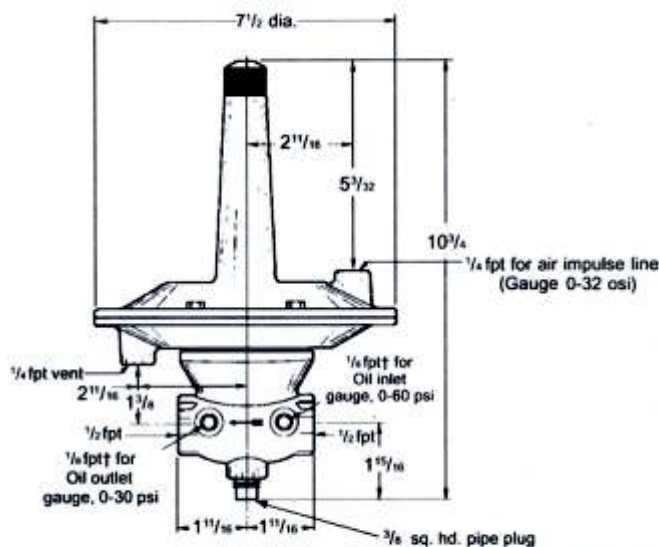
52-0: inlet and outlet oil pressure, air impulse pressure
Dial Thermometer

MULTIPLICATION FACTOR

MODEL	LOW FLOW	MAX FLOW
52-01	9:1	7:1
52-0	14:1	10.5:1

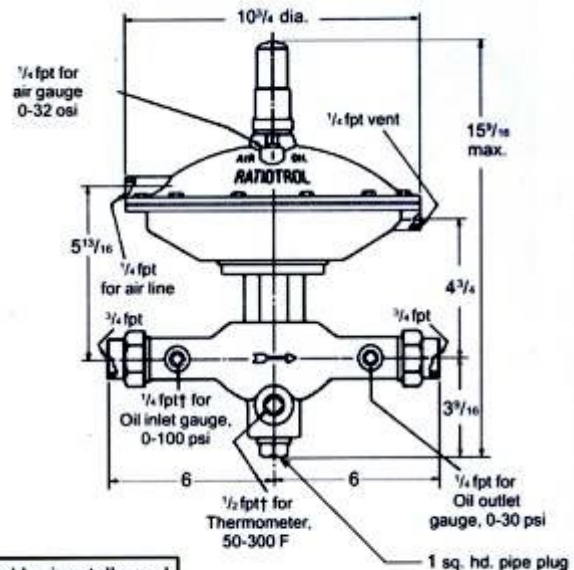
SPRING BIAS

MODEL	PSI
52-01	+ 1.9/-1.5
52-0	+ 3.27/-2.5



52-01 (wt. 3 Kgs.)

Ratiotrols—must be mounted horizontally, and diaphragm case should be above the pipe.



52-0 (wt. 11 Kgs.)

SAIFEE ENGINEERING INDUSTRIES

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