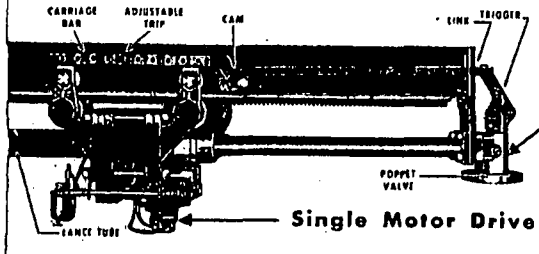
ONLY DIAMOND Model IK BLOWERS GIVE YOU THESE THREE





Single Motor Drive

A single motor simultaneously propels the carriage and rotates the lance tube through a rugged system of gears. This represents the ultimate in simplicity . . . the last word in reliability. There is only ONE set of motor elements, ONE set of control elements and ONE set of connections to power supply. Motor can be air or electric.

Mechanically Operated Valve

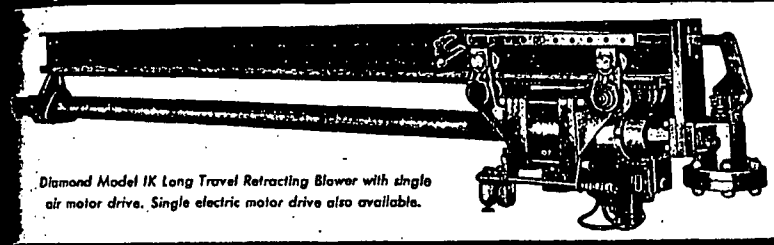
Control of the air or steam used as blowing medium is automatic, positive, accurate in Model IK by means of a simple mechanically operated valve. As the carriage begins to move the lance tube into the boiler, an adjustable trip on the carriage bar engages a cam which opens the valve through a linkage. As retraction of the lance nears completion, the trip reverses the cam, closing the valve. All pilot or diaphragm valve elements are eliminated. Adjustable trip can be moved left or right to open valve earlier or later.

50th ANNIVERSARY 1903-1953

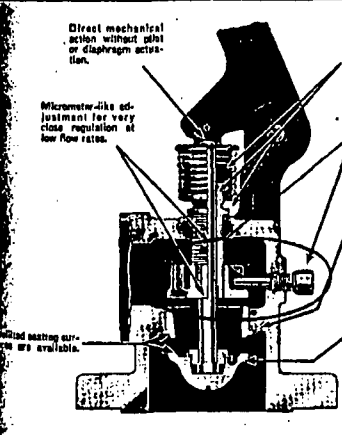
DIAMOND POWER SPECIALTY CORPORATION

LANCASTER, OHIO

Diamond Specialty Limited • Windsor, Ontario



Diamond Model IK Long Travel Retracting Blower with single air motor drive. Single electric motor drive also available.



Adjustable Pressure Control in Poppet Type Valve

Easily and quickly adjusted, the control consists of a ribbed disc carried on the threaded valve stem guide. Its location outside the path of valve travel prevents interference with full and immediate opening of the poppet valve . . . avoiding wire drawing. Throttling is at the back seat so that the main seat is spared the damaging action of this duty. No orifice is required in the line. This feature provides the means for greatest blowing economy for each individual blower.

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