

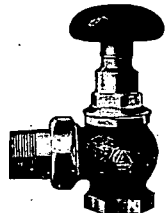
DETROIT LUBRICATOR COMPANY

DETROIT, U. S. A.

NEW YORK

CHICAGO

Largest Manufacturers of Radiator Valves in the World



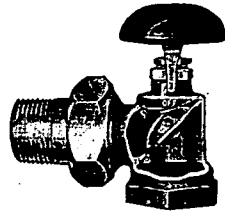
Detroit Packless Radiator Valve

The "Genuine Detroit" Spring and Disc Packless Radiator Valve has been developed to fulfill the need for a radiator valve that will not leak around the stem nor need repacking. It does away with the trouble and expense of leakage to which ordinary valves are subject and its construction makes it particularly adapted for use on vacuum systems where tightness is essential.

Its handsome appearance harmonizes with good surroundings and makes it suitable for use in homes, office buildings, hotels, etc.

Complicated parts are eliminated, so that the valve is simple in construction and so substantial that it carries the assurance of satisfactory service over a period of years. It is quick opening—opens and closes with less than a full turn of the handle—is easy turning and is equipped with a new type of non-breakable round handle, with a permanent, black, hard rubber finish.

Manufactured in angles, corners and globes $\frac{1}{2}$ to 2 in. sizes. In satin nickel finish with polished trimmings.



Detroit No. 101
Quick Opening Hot Water Valve
Pat'd June 26, 1923

The "Genuine Detroit" No. 101 Quick Opening Hot Water Radiator Valve, Packed Type, is designed to overcome the difficulties of hard turning, always encountered with shell type valves. It operates on the principle of an elliptic swinging plate—set at 45 deg. angle—which is attached to the stem. By revolving the handle one-half turn to the left, the valve is opened, while one-half turn to the right closes it. The narrow edge of the plate presents a very small area of contact with the body, so that any corrosion or encrustation—due to impurities in the water—is easily broken away. This construction insures the valve turning easily even after years of service.

The interior plate is concave so that a passage of true elbow shape through the valve is developed when the plate is in full open position. This shape offers much less resistance to the flow than is the case with valves of the shell type, where the liquid is forced to turn at a right angle.

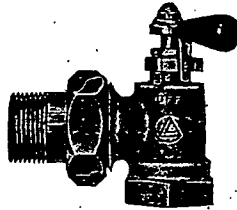
It is particularly sturdy in design with a stem which will stand hard usage and is equipped with a new type of non-breakable handle, handsome in appearance, and with a permanent, black, hard rubber finish.

An indicator attached below the handle travels between two stops on the body marked "off" and "on" so a glance shows whether the valve is opened or closed.

The stuffing box is of gland form and easily adjusted to prevent leakage around the stem.

The "Genuine Detroit" Equalizing Hot Water Radiator Valve is a valve of the above type equipped with a movable stop collar mounted on the neck and which provides a means of securing a uniform flow through each radiator, and permits the systems to be easily and accurately balanced, and perfect circulation insured. The handle pointer engages this collar, creating the "on" position. The adjustment is a very simple exterior one easily made by the fitter after the valve is installed and the system is in operation.

Specify "GENUINE DETROIT" Valves and get insurance of constant satisfaction.



Detroit No. 105
Equalizing Hot Water Valve

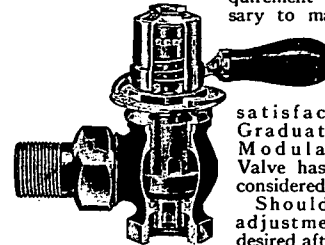
The Dole Valve Company

1923-1933 Carroll Avenue, CHICAGO, ILL.

Manufacturers of a Complete Line of High Grade Packless Radiator Valves and Automatic Air Valves

DOLE GRADUATED PACKLESS RADIATOR VALVES

A short study of the sectional view shown will indicate that in designing the Dole Packless Graduated Valve every requirement necessary to make a



Lever Handle Type of Dole Packless
Fig. S 218

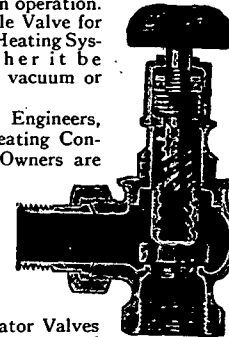
satisfactory Graduated or Modulating Valve has been considered.

Should any adjustment be desired after the valve is installed merely loosen octagon nut on top of dial with special wrench which is furnished for the purpose, turn dial to left to the desired point, then tighten nut.

Vapor or Vacuum Systems are an acknowledged modern method of Scientific Heating.

Dole Packless Graduated Valves have proven particularly valuable in the proper functioning of many of the most successful systems now in operation. There is a Dole Valve for every type of Heating System—whether it be steam, vapor, vacuum or hot water.

Mechanical Engineers, Architects, Heating Contractors and Owners are becoming better acquainted, as time goes on, with the quality and satisfaction which Dole Packless Radiator Valves offer. The majority of the above-mentioned endorse Dole Valves in the most hearty manner, realizing that quality, satisfaction and price are the three outstanding features of the Dole Packless Radiator Valve—the valve with the exclusive feature, Ball-Bearing Construction.



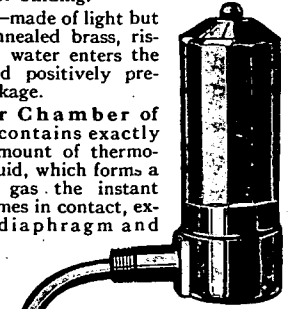
Knob Handle Style of Dole Packless
Fig. S 100

DOLE SYPHON AIR VALVES

Seating Pin—finely machined hard metal seating point, hydraulic pressed to perfect radius, preventing possibility of sticking or binding.

Float—made of light but strong annealed brass, rising when water enters the valve and positively prevents leakage.

Inner Chamber of Float—contains exactly proper amount of thermostatic liquid, which forms a powerful gas the instant steam comes in contact, expanding diaphragm and



Dole Syphon Air Valve
Fig. 600

closing valve against escape of steam or water.

Diaphragm—made of special spring bronze, convex shape, corrugated. Expands with heat, contracts back when cold, thus opening and closing valve automatically.

Float Rest—one-piece, finely drawn brass, open on four sides to permit water to drain through syphon. Firmly braced into base, forming strong, substantial rest for float.

Venting Seat—heavy construction, threaded and brazed into valve casing, thus preventing possible injury to venting seat after valve is installed.

Syphon Lock Collar—made of extra heavy brass, firmly brazed to syphon, preventing either accidental or intentional removal of syphon from valve.

Base—heavy drawn brass, threaded on interior to meet exterior thread on casing. Firmly braced on casing to insure strength and durability.

Syphon—made of one-piece annealed brass tubing, formed to perfect shape to fit inside of radiator column. Assembled into valve free from obstruction, thus permitting air valve to be attached to radiator syphon. Always hanging in proper position inside of radiator.