

MARSH SYSTEM UNIT RADIATOR VALVES

Description

The Marsh System Unit Radiator Valve combines beauty with mechanical perfection. Now, radiator fittings as well as radiators themselves may be worked into interior design and be in keeping with the finest of furnishings.

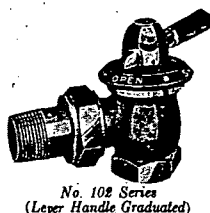
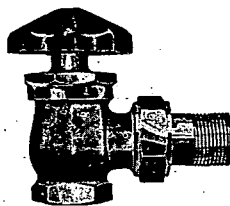
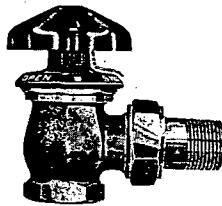
This New Marsh Radiator Valve is modern in design. The simplicity of its lines, the two-tone polished and satin chrome or nickel body finish, crowned by a control wheel or lever of bakelite of distinctive proportions, places this heating necessity abreast of modern trend.

The Marsh System Unit Radiator Valve is truly packless. Its packless feature is not subject to deterioration, wear or cracking. We have confidence in the principles upon which it has been designed. These principles have proven as sound as they are new.

In the Marsh System Unit Graduated Type Packless Radiator Valve a means is provided whereby the total capacity of the valve is adjusted in proportion to the size of the radiator, operating the valve so as to limit the flow through the valve in graded quantities. The flexcone valve disc, together with the valve seat, form an orifice arrangement which as the flexcone valve disc is raised and lowered modulate the area through which the steam or liquid can flow and in that way graduate the capacity of the valve.

An indicator and dial act to guide the operator of the valve as to the proper setting for the desired flow.

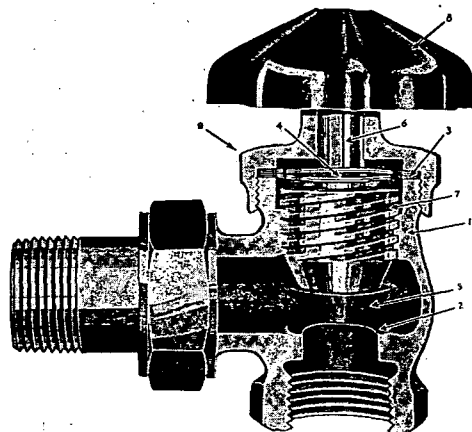
Laboratory tests of Marsh System Unit Valves calculated definitely to prove the efficiency and perfection of the unique construction, have subjected these units to service many times that of normal operation.

No. 102 Series
(Lever Handle Graduated)No. 100 Series
(Oval Wheel Packless)No. 101 Series
(Oval Wheel—Graduated)

Patterns and Sizes

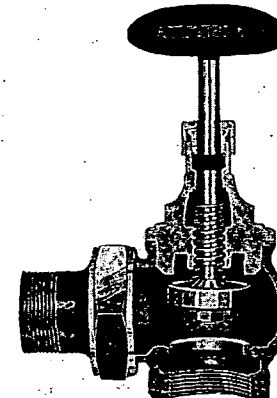
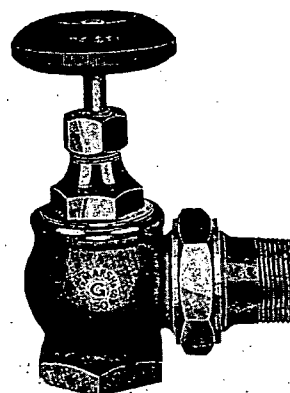
Marsh System Unit Radiator Valves are made in three series: No. 100 series oval wheel packless; No. 101 Series oval wheel graduated and No. 102 series lever handle graduated. All three series are made in sizes $\frac{1}{2}$ in., $\frac{3}{4}$ in., 1 in., $1\frac{1}{4}$ in., $1\frac{1}{2}$ in. and 2 in. in the following patterns: angle, right hand corner, left hand corner, globe and back offset. Extensions and other valve accessories on next page.

Construction



The body of the valve (1) is a steam bronze casting accurately machined and tested to 125 pounds pressure. The valve seat (2) is built integrally into the valve body and in combination with the Flexcone valve disc (5) permits a large, full capacity flow through the valve. The lift thread in which the thrust screw (7) operates is cut integrally into the main body casting, allowing a large deep thread and adding strength to the body casting. The patented Flexcone valve (5) is a drawn monel metal spring cup permanently riveted to the thrust screw. Integrally incorporated in the valve stem is a perfectly machined stem collar (4) which in conjunction with the Metalflex sealing discs (3) serve to make the valve perfectly packless. These sealing discs consist of two sets of thin metal diaphragms. The valve bonnet (9) is screwed onto the valve body around the valve stem (6), lining up the latter and at the same time compressing the upper set of Metalflex discs against the lower set, forming a perfect seal. The valve wheel (8) is made of bakelite.

MARSH TYPE G 150 STEAM RADIATOR VALVE



Government Pattern

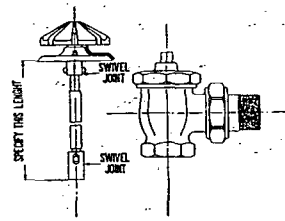
The Marsh Type G 150 radiator valve is a heavy 150 lb. construction steam radiator valve. As shown by the illustration this valve is of rugged construction. The body and bonnet castings are of steam bronze and wall thicknesses throughout are much heavier than usually found in valves of this type. The stem is of large diameter and the operating thread is perfectly machined and is of design to give lasting, smooth operation. The packing gland, follower and nut are of ample proportion and make provision for a lasting joint for service on pressures or vacuum.

When the valve is screwed full open a tight joint is formed between the top of the disc holder and the inside surface of the valve bonnet, permitting repacking of the valve under pressure or vacuum without leakage. This also prevents any possibility of the valve jamming or sticking in the open position.

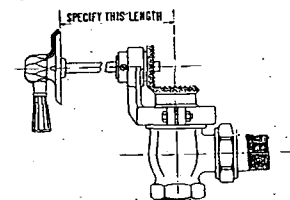
The Marsh Type G 150 steam radiator valve is standard in angle pattern only, and in 1 in., $1\frac{1}{4}$ in., $1\frac{1}{2}$ in. and 2 in. sizes, but can be manufactured in other patterns.

We also manufacture a complete line of standard low pressure steam and hot water radiator valves and union ells.

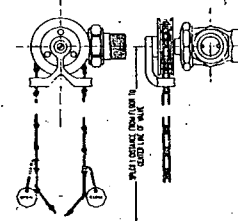
RADIATOR VALVE ACCESSORIES



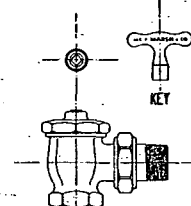
No. 200 Extension Stem



No. 201 Geared Extension Stem



No. 202 Chain Extension Type



No. 103 Lock Radiator Valve