



MARSHALL ENGINEERED PRODUCTS CO.

FORM 2147E

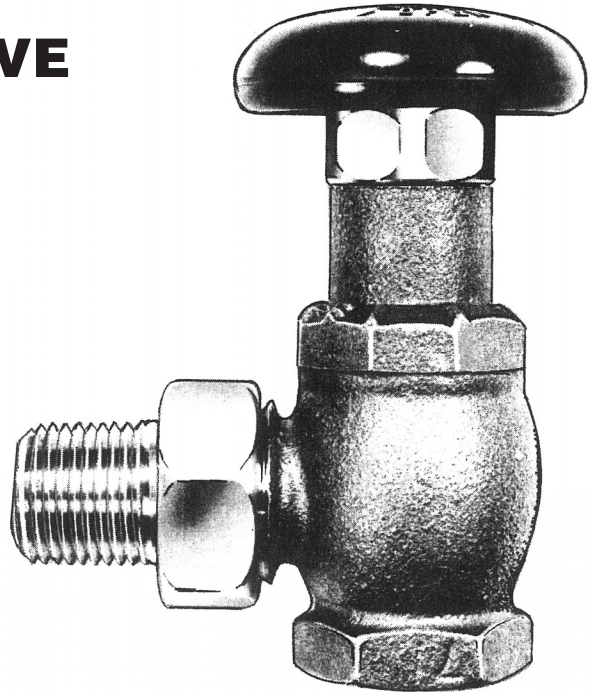
## MEPCO REGULATING VALVE

Regulating Valve - Spring Packed,  
Type SWRF, Model C

### APPLICATION

The MEPCO Regulating Valve, SWRF-C, combines the advantages of a spring-packed Radiator Valve and an Adjustable Regulating Fitting. This valve is applicable to vacuum return line steam heating systems with pressures of 25" vacuum to 25 psig. It provides both a positive "on" or "off" control and also accurate proportioning of steam to the radiation.

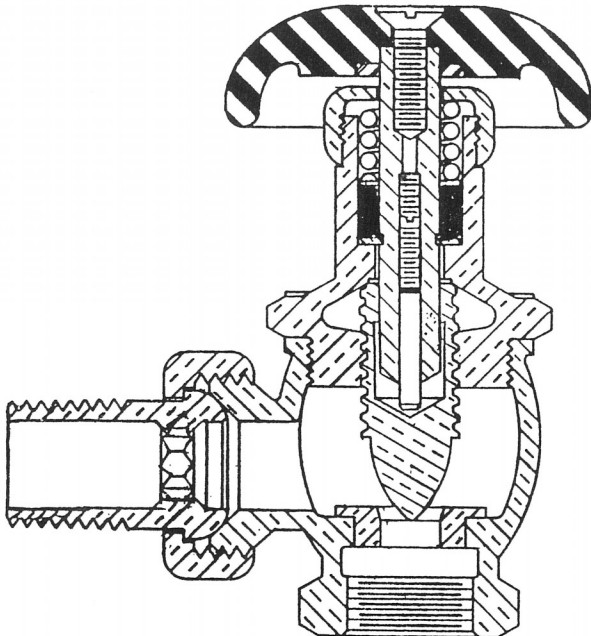
When balancing steam distribution in a heating system, this Regulating Valve eliminates the lengthy procedure of changing regulating plates (which requires that valve unions be disconnected and re-connected).



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### FEATURES

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**SIMPLE RUGGED CONSTRUCTION** - Valve is manufactured in 1/2", 3/4", 1", and 1-1/4" sizes, angle pattern and straightway. The valve body is cast brass and is equipped with a brass nut and nipple capable of resisting severe strains often encountered during installation and operation.

**TAMPER-PROOF ADJUSTMENT** - Access to the regulating valve, for apportioning the steam flow through the metering passage, is obtained only by means of a special wrench . . . prevents tampering by unauthorized individuals. This adjustment can be made while steam is flowing through the valve.

**TIGHT SEAL AROUND VALVE STEM** - Solid, one-piece graphited fiber ring packing, formed under pressure to exact size and shape of valve stem is held under compression by a heavy coil spring to maintain a tight seal around the valve stem. The construction is referred to by the trade as "packless".

**POSITIVE VALVE SHUT-OFF** - Accurately machined bronze shut-off valve closes tightly against the similar finished seating surface of the valve body. The valve is opened or closed in less than one turn and has a non-rising stem.

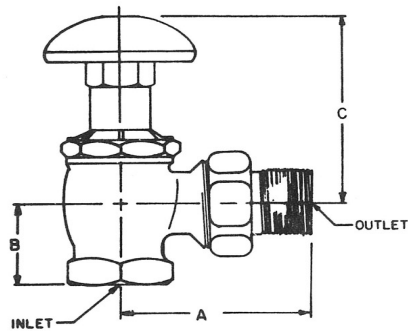


FIG. 1  
MODEL AP-1

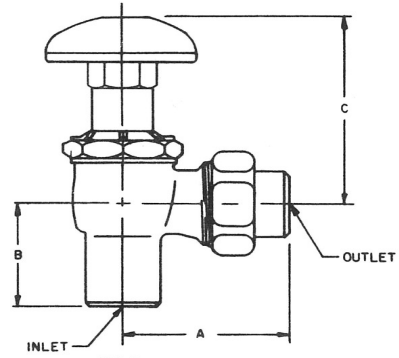


FIG. 2  
MODEL AP-2

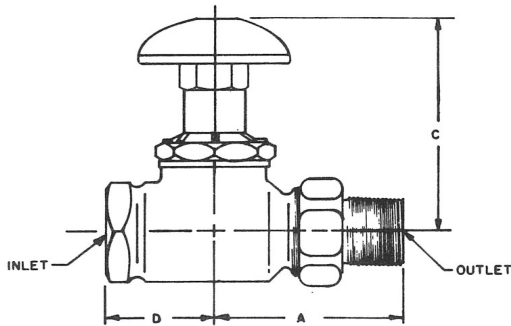


FIG. 3  
MODEL ST-1

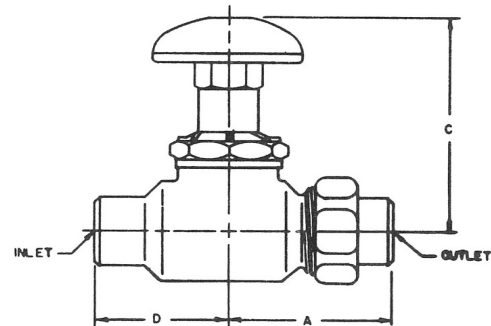


FIG. 4  
MODEL ST-2

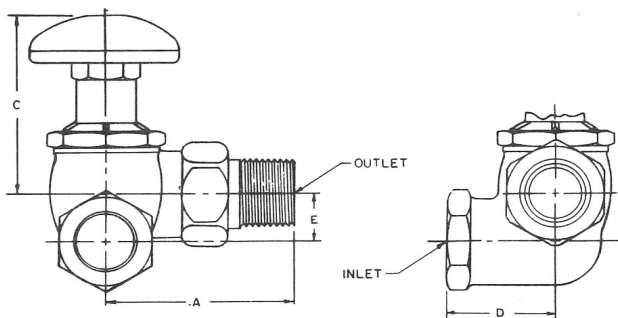


FIG. 5  
MODEL RH-1

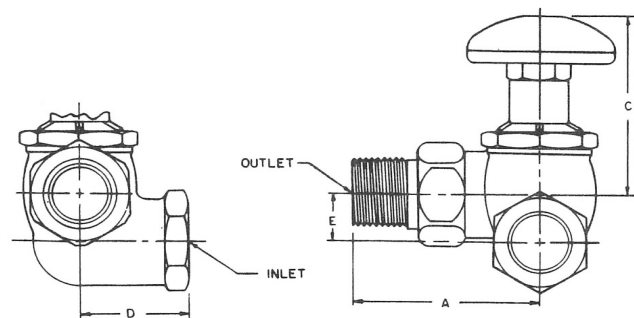


FIG. 6  
MODEL LH-1

FIG. NO.	MODEL	SIZE	CAPACITY	INLET	OUTLET	DIMENSIONS IN INCHES					WGT. LBS.
						A	B	C	D	E	
1	AP-1	1/2	30 EDR	FPT	UNION NIPPLE MPT	2 1/4	1 1/6	2 7/8			1 1/8
3	ST-1	1/2	30 EDR	FPT	UNION NIPPLE MPT	2 1/4		3 3/6	1 5/6		1 1/4
1	AP-1	3/4	140 EDR	FPT	UNION NIPPLE MPT	2 5/6	1 1/4	2 7/8			1 1/2
2	AP-2	3/4	140 EDR	SWT	UNION NIPPLE SWT	2 3/6	1 5/8	2 7/8			1 1/4
3	ST-1	3/4	140 EDR	FPT	UNION NIPPLE MPT	2 5/8		3 1/4	1 1/6		1 5/8
4	ST-2	3/4	140 EDR	SWT	UNION NIPPLE SWT	2 1/8		3 1/4	2		1 5/8
5	RH-1	3/4	140 EDR	FPT	UNION NIPPLE MPT	2 3/6		2 7/8	1 5/8	3/4	1 7/8
6	LH-1	3/4	140 EDR	FPT	UNION NIPPLE MPT	2 3/6		2 7/8	1 5/8	3/4	1 7/8
1	AP-1	1	160 EDR	FPT	UNION NIPPLE MPT	3	1 1/6	3 3/6			1 7/8
3	ST-1	1	160 EDR	FPT	UNION NIPPLE MPT	3 3/6		4 3/6	1 7/8		2 1/2
1	AP-1	1 1/4	240 EDR	FPT	UNION NIPPLE MPT	3 1/4	1 5/8	3 3/6			2 1/4
3	ST-1	1 1/4	240 EDR	FPT	UNION NIPPLE MPT	3 1 1/6		4 3/6	2 1/6		3

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