



MARSHALL ENGINEERED PRODUCTS CO.

# STEAM SPECIALTIES

## Radiator Valve, No. 740A

### APPLICATION

The MEPCO Spring Packed Radiator Valve No. 740-A, is applicable to all types of steam heating systems with pressure of 25" vacuum to 150 PSI. This same valve can be applied to hot or chilled water systems at pressures to 200 PSI. It provides a positive "ON" or "OFF" control for any type of heating element or radiator. Heavy coil spring keeps packing tight around valve stem. Dial arrows on handle clearly indicate direction of "ON" and "OFF" and divisions on dial make valve adjusting easy.



### CONSTRUCTION FEATURES

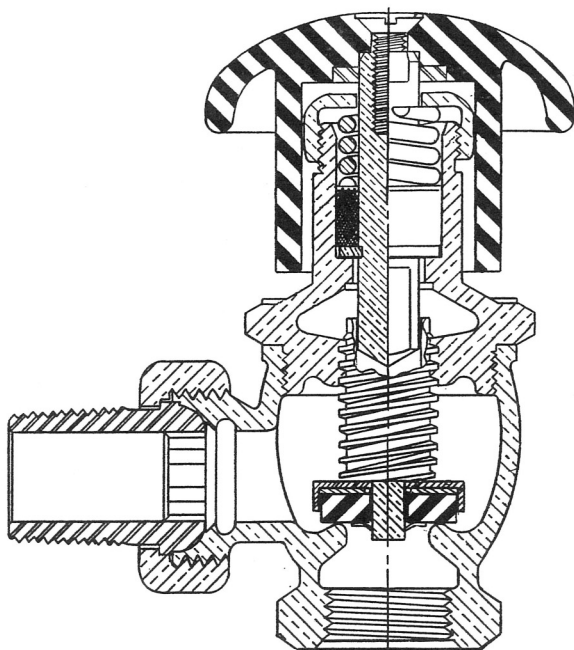
**SIMPLE RUGGED CONSTRUCTION** - Valve is manufactured with heavy brass body casting capable of resisting severe strains often encountered during installation. It can be purchased in four (4) body patterns. Thread-to-thread, sweat-to-sweat and sweat-to-sweat less union connections are available.

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

**POSITIVE VALVE SHUT-OFF** - Even though valve is fully opened or closed with less than one turn of the handle, line contact between composition disc and slightly raised and rounded valve seat afford perfect seal in closed position.

**VALVE OPENING INDICATED** - Bonnet is equipped with a dial and the handle with arrows, indicating the direction of open and closed positions. Divisions on dial make adjusting a simple procedure.

**SIMPLIFIED STYLING** - Attractive heat-resisting composition handle and non-rising stem make valve desirable for installation in exposed locations. Mushroom style handle is equipped with indicating pointer.



RADIATOR VALVE CONSTRUCTION

# Dimensions and Weights

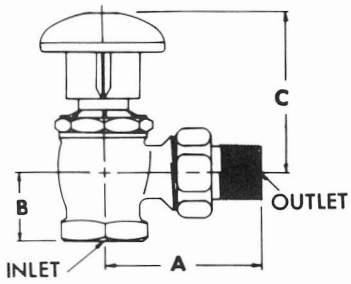


FIG. 1  
MODEL AP1

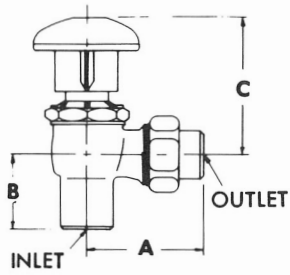


FIG. 2  
MODEL AP2

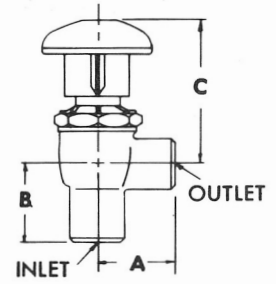


FIG. 3  
MODEL AP3

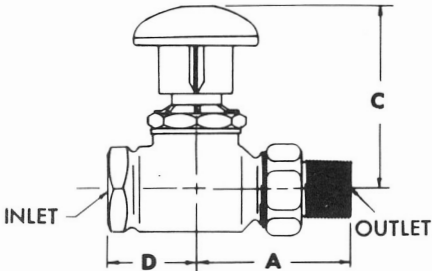


FIG. 4  
MODEL ST1

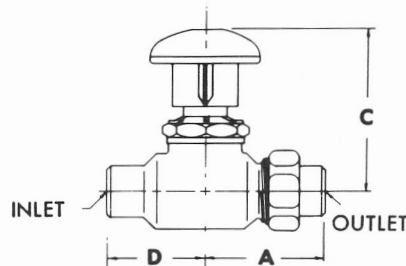


FIG. 5  
MODEL ST2

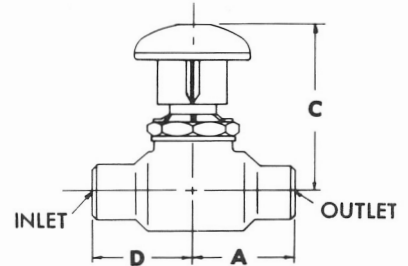


FIG. 6  
MODEL ST3

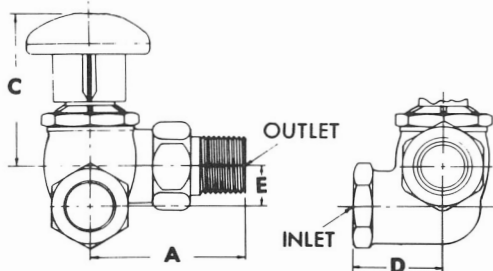


FIG. 7  
MODEL RH1

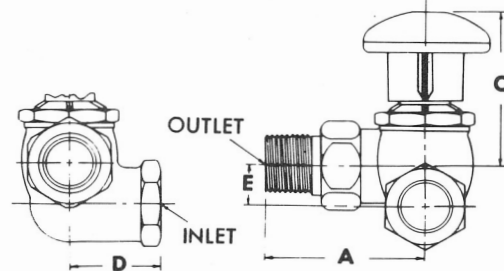


FIG. 8  
MODEL LH1

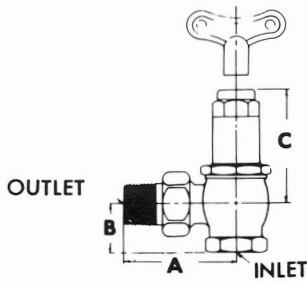


FIG. 9  
LOCK & SHIELD  
TYPE

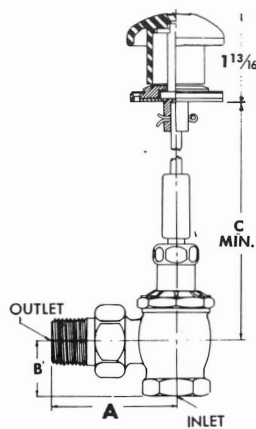


FIG. 10  
STRAIGHT EXTENSION STEM  
WITH WHEEL HANDLE

## EXTENSION STEMS

Each extension stem is furnished with a 12" rod which may be cut on job to the required shorter length. Longer rod will be furnished only on special order. Universal joints are available for offset extensions.

Extension stem plates may be fastened with 1/8" flat head screws or bolts.

# Dimensions and Weights

FIG.	SIZE	MODEL	INLET	OUTLET	DIMENSIONS IN INCHES						D	E	SHIPPING WEIGHT (LBS.)	
					A	B	C			D				E
							STAND-ARD	LOCK & SHIELD	STRAIGHT EX-TENSION STEM					
			WHEEL HANDLE	FLUSH HANDLE										
1	1/2	AP-1	FPT	UNION NIPPLE MPT	2 1/4	1 1/16	2 7/8	3 3/16	4 3/8	4 3/4			1 1/8	
2		AP-2	SWT	UNION NIPPLE SWT	1 11/16	1 3/16	2 7/8	3 3/16	4 3/8	4 3/4			7/8	
3		AP-3	SWT	SWT	1 3/16	1 3/16	2 7/8	3 3/16	4 3/8	4 3/4			3/4	
4		ST-1	FPT	UNION NIPPLE MPT	2 1/4		3 3/16	3 3/16	4 11/16	5 1/16	1 5/16		1 1/4	
5		ST-2	SWT	UNION NIPPLE SWT	1 11/16		3 3/16	3 3/16	4 11/16	5 1/16	1 1/2		1 1/8	
6		ST-3	SWT	SWT	1 1/2		3 3/16	3 3/16	4 11/16	5 1/16	1 3/8		1	
7		RH-1	FPT	UNION NIPPLE MPT	2 5/16		2 7/8	3 3/16	4 3/8	4 3/4	1 3/8	5/8	1 1/2	
8		LH-1	FPT	UNION NIPPLE MPT	2 5/16		2 7/8	3 3/16	4 3/8	4 3/4	1 3/8	5/8	1 1/2	
1	3/4	AP-1	FPT	UNION NIPPLE MPT	2 9/16	1 1/4	2 7/8	3 3/16	4 5/8	5			1 1/2	
2		AP-2	SWT	UNION NIPPLE SWT	2 3/16	1 5/8	2 7/8	3 3/16	4 5/8	5			1 1/4	
3		AP-3	SWT	SWT	1 9/16	1 5/8	2 7/8	3 3/16	4 5/8	5			1 1/8	
4		ST-1	FPT	UNION NIPPLE MPT	2 5/8		3 1/4	3 3/16	5	5 3/8	1 9/16		1 5/8	
5		ST-2	SWT	UNION NIPPLE SWT	2 1/8		3 1/4	3 3/16	5	5 3/8	2		1 5/8	
6		ST-3	SWT	SWT	2		3 1/4	3 3/16	5	5 3/8	1 7/8		1 3/8	
7		RH-1	FPT	UNION NIPPLE MPT	2 9/16		2 7/8	3 3/16	4 5/8	5	1 5/8	3/4	1 7/8	
8		LH-1	FPT	UNION NIPPLE MPT	2 9/16		2 7/8	3 3/16	4 5/8	5	1 5/8	3/4	1 7/8	
1	1	AP-1	FPT	UNION NIPPLE MPT	3	1 7/16	3 3/16	3 3/16	5	5 3/8			1 7/8	
4		ST-1	FPT	UNION NIPPLE MPT	3 3/16		4 3/16	4 9/16	6	6 3/8	1 7/8		2 1/2	
5		ST-2	SWT	UNION NIPPLE SWT	2 11/16		3 1/2	4 9/16	6	6 3/8	2 3/8		2 1/4	
7		RH-1	FPT	UNION NIPPLE MPT	3		3 3/16	3 3/16	5	5 3/8	1 7/8	1	3	
8		LH-1	FPT	UNION NIPPLE MPT	3		3 3/16	3 3/16	5	5 3/8	1 7/8	1	3	
1	1 1/4	AP-1	FPT	UNION NIPPLE MPT	3 1/4	1 5/8	3 3/16	3 11/16	5 1/8	5 1/2			2 1/4	
4		ST-1	FPT	UNION NIPPLE MPT	3 11/16		4 7/16	4 13/16	6 1/4	6 5/8	2 1/16		3	
6		ST-3	SWT	SWT	2 5/8		4	4 3/8	5 13/16	6 3/16	2 1/2		2 1/2	
7		RH-1	FPT	UNION NIPPLE MPT	3 1/4		3 3/16	3 11/16	5 1/8	5 1/2	2 1/16	1 1/8	3 1/2	
8		LH-1	FPT	UNION NIPPLE MPT	3 1/4		3 3/16	3 11/16	5 1/8	5 1/2	2 1/16	1 1/8	3 1/2	
1	1 1/2	AP-1	FPT	UNION NIPPLE MPT	3 3/16	1 7/8	3 11/16	4	5 7/16	5 13/16			3 1/4	
4		ST-1	FPT	UNION NIPPLE MPT	4 1/4		4 15/16	5 1/4	6 11/16	7 1/16	2 5/16		4 1/4	
7		RH-1	FPT	UNION NIPPLE MPT	3 3/16		3 11/16	4	5 7/16	5 13/16	2 5/16	1 1/4	4 1/2	
8		LH-1	FPT	UNION NIPPLE MPT	3 3/16		3 11/16	4	5 7/16	5 13/16	2 5/16	1 1/4	4 1/2	

MEPCO reserves the right to revise designs, specifications, and related information without notice.