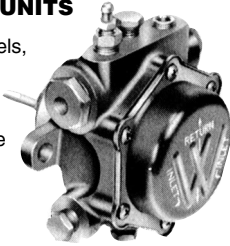


# Webster® Fuel Pumps & Valves

## R SERIES SERVICE SAVER FUEL UNITS

Available in both single-and two-stage models, Webster's service saver fuel units are rated to capacities of 80 gph. Featuring the unique Webster rotary filter, simple flange mounting, and an extended shaft length, the R Series is adaptable to virtually every replacement need.



### FUEL UNIT SPECIFICATIONS

**R Series Fuel Units**  
**Capacities to 80 gph**  
**Single- and Two-Stage**

#### R SERIES FUEL UNITS — CODE ANALYSIS

TYPICAL CODE—**IR | I | D • | A 3**  
A B C D E F G H J

**A**  
1R - Single Stage -1725 RPM  
21R - Single Stage -3450 RPM  
2R - Two Stage -1725 RPM  
22R - Two Stage -3450 RPM  
31R - Single Stage -1425 RPM  
41R - Single Stage -2850 RPM  
32R - Two Stage -1425 RPM  
42R - Two Stage -2850 RPM

**B**  
Number of Filter Sections 1 thru 6

**C**  
Max Rated Pressure (PSI)

Code	Max. Pres.	Factory Set At
1	150 PSI	100 PSI
2	300 PSI	100 PSI
3	20 PSI	10 PSI
4	45 PSI	40 PSI
5	100 PSI	100 PSI
6	125 PSI	100 PSI
8	80 PSI	20 PSI

**D**  
Pressure Gear Size 0 thru 8

**E**  
Rotation and Porting-  
As viewed from Shaft End  
A Clockwise Nozzle Port Left  
B CCW Nozzle Port Right  
C CCW Nozzle Port Left  
D CW Nozzle Port Right

**Pressure:**  
Built in pressure regulator.  
Factory set at 100 psi (supply pumps set at 20 psi).

**Porting:**  
1 /8" NPTF: side location nozzle port if pump code ends in 3 or 4.  
1 /4" NPTF: side location nozzle port if pump code ends in 13 or 14.  
1 /4" NPTF: 2 inlets, gauge port and top and bottom returns.

**Seal:** Double lip type.  
**Mounting:** Two bolt flange.

**Filter:** Self cleaning rotary type - internal.  
**NOTE:** External filter recommended with each installation.

Maximum Inlet Vacuum:  
Single-stage units - 10" Hg      Two-stage units - 15" Hg

#### MODEL R --- SINGLE STAGE

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	1R162D	Flange	R.H. (CW)	L.H.	

#### MODEL R --- TWO STAGE

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	22R221D	HUB/Flange	R.H. (CW)	R.H.	

## M SERIES FUEL UNITS SINGLE- AND TWO-STAGE

Light and extremely compact, the Webster M Series fuel units have earned a reputation for reliability and efficiency. All units include the Webster internal rotary filter. The rotary filter reduces the need for troublesome periodic cleaning. Because the filter blades rotate at motor speed with constant cleaning action, clogging is minimal compared to units that use internal filter screen. For maximum protection, an additional line filter is recommended in accordance with standard practice. Another popular feature is the easy-to-bleed valve assembly located on the side. A "D" drive reduces the harmful effects low-lubricity fuels had on previous key-drive designs. Simple flange mounting and side-located nozzle ports make the M Series ideal for fuel unit servicing. M Series fuel units are available in single- or two-stage, 1725 and 3450 rpm models with capacities to 6 gph.



A— M=Single Stage  
2M=Two Stage

**2M 17 D L - 6 \***  
A B C D E F

B— 17=1725 RPM  
34=3450 RPM

C— C=CCW rotation, outlet left  
D=CW rotation, outlet right (as viewed from shaft end)

D— A = Key drive, face seal, old style porting  
B = Std., face seal, old style porting  
C = Special, face seal, old style porting  
D = Std. lip seal, old style porting  
E = Special, lip seal, old style porting  
F = Same as D except revised porting  
G = Same as E except revised porting  
H = Same as F except o-ring on pressure adjusting screw  
J = Same as H except revised internal porting  
K = Same as J except revised porting and bleed valve location  
L = Same as H except revised porting and bleed valve location

E— 3= 3gph max. recommended fire size  
6= 6gph max. recommended fire size  
15=15gph max. recommended fire size

F— No \*=Unit set 1 pipe (Bypass plug not installed)  
\*=Unit set 2 pipe (Bypass plug installed)

## M34DK-3 SERIES FUEL UNITS SINGLE STAGE UNITS

To meet the needs of today's fuel-efficient, downsized and space efficient burners, Webster's popular M34DK-3 incorporates improved access to both the bleed valve and bypass plug. Locating the bleed port plug assembly on the side of the fuel unit provides the service technician with one visible and accessible location to either bleed the fuel unit or change the bypass plug without removing the burner. The M34DK-3 retains all of the industry accepted, state-of-the-art features of the M34DJ-3 fuel unit. These include faster fuel cut-off, improved priming on one-pipe installations, and reduced inlet line flow on two-pipe systems which results in reduced line noise. Webster's M34DK-3 fuel unit is available in a single stage, 3450 RPM model rated at 3 GPH. Operating pressure is factory set at 100 psi and is adjustable to 150 psi. The M34DK-3 is capable of maintaining its 3 gallon per hour fire size at up to 150 psi throughout its service life.

#### MODEL M --- SINGLE STAGE

##### 1725 RPM MODELS

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	M17DL-6	Flange	R.H. (CW)	R.H.	

##### 3450 RPM MODELS

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	M34DK-3	Flange	R.H. (CW)	R.H.	

#### MODEL 2M --- TWO STAGE

##### 1725 RPM MODELS

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	2M17DL-6	Flange	R.H. (CW)	R.H.	

##### 3450 RPM MODELS

CAT. NO.	MFG. NO.	MOUNT	SHAFT ROTATION	NOZZLE LOCATION	EACH
	2M34DL-3	Flange	R.H. (CW)	R.H.	