



WesternTM Filter

WestMax Medium Pressure Spin-on Filters



- High Quality
- Wide Range
- High Performance
- Excellent Delivery

www.westernfilter.com

Our Promise: *People make the difference*

Western Filter developed its first filter in 1960. Working to the highest technical standards and delivering superior filtration product, Western Filter has become a recognized leader in the industry. Excellence in pressure has made Western Filter a preferred source for the industrial, mobile marine, military & defense markets worldwide.

Western Filter is dedicated to the highest level of Quality Performance. Our extensive and diversified production capability makes us one of the most unique manufacturers in the filtration market. Our manufacturing is vertically integrated giving us the

finished product without utilizing a single outside vendor or subcontractor.

Our engineering capabilities range in scope from superior design of basic filter elements to complex multi-layer media for sophisticated filter element applications including filter manifolds and electronically controlled filtration packages & systems. Our media design capabilities include woven wire cloth, fibrous metal mat and micro-fiberglass as well as synthetic & resin-impregnated cullulosic paper.

We have dedicated Engineers with extensive filter design and application engineering experience.

Experts In:

- Design
- Development
- Fatigue Testing
- Qualification Testing
- Modular Assemblies
- Performance Analysis Indicators
- Elements and Valves
- Single & Multiple Housing Assemblies
- Pressures to 10,000 PSI
- All Filtration Ranges to 1 micron with 99.9% efficiency
- All Industries and Applications

Manufacturing Applications

- We stamp our own end caps
- We form our center supports
- We CNC machine our own pressure indicator bodies, manifolds and bowls
- We have metal surface processing capability for irradiate and steam oxide
- Multiple vertical machining centers

Quality Achievements

- ISO 9001 Certified
- AS9100 Certified
- Approved by the US Government for Mil I-45208
- Statistical Process Control
- Trained per Boeing DI 9000
- FAA Approved to FAR 21.303 Parts Manufacturing Approval
- FAR Approved Repair Station #W8FR323N
- Residents FAA DMIR'S



WM60 Dual Head Configuration



WM35/60

WM35 35 gpm (130 l/min)

WM60 60 gpm (230 l/min)



Technical Data:

Maximum Working Pressure	500 PSI
Rated Burst Pressure	2,000 PSI (138 bar)
Temperature Range	(-) 20° F to (+)250° F (-) 29° C to (+)121° C
Head Material	Die cast aluminum
Element Housing	Steel
Weight	
WM35 Assembly code length 1	3.9 Lbs (1.8kg)
WM35 Assembly code length 3	4.8 Lbs (2.2kg)
WM60 Assembly code length 3	13 Lbs (5.9kg)

Available in single or dual head configurations for greater application flexibility and commonality of replacement elements.

Excellent choice for hydrostatic charge pump filtration for primary pump protection.

Head Assemblies - Single

WFD HEAD ASSY P/N	PORT SIZE	SEAL	BYPASS SETTING	VISUAL INDICATOR STYLE LOCATION	PORTED FOR ELECTRICAL INDICATOR
WM351A3JNB	3/4" SAE-12	BUNA-N	25 PSID	NONE	NO
WM351A33DLSB	3/4" SAE-12	BUNA-N	25 PSID	3DLS	NO
WM351A13DLSB	3/4" SAE-12	BUNA-N	25 PSID	3DLS	NO
WM351A1JNB	3/4" SAE-12	BUNA-N	NONE	NONE	NO
WM351A14DLSB	3/4" SAE-12	BUNA-N	NONE	4DLS	NO
WM351B2JNB	1" SAE-16	BUNA-N	15 PSID	NONE	YES
WM351B3JNB	1" SAE-16	BUNA-N	25 PSID	NONE	NO
WM351B33DLSB	1" SAE-16	BUNA-N	25 PSID	EDLS	NO
WM351B33DBSB	1" SAE-16	BUNA-N	25 PSID	3DBS	YES
WM351B13DBSB	1" SAE-16	BUNA-N	NONE	3DBS	YES
WM351B44DRSB	1" SAE-16	BUNA-N	50 PSID	4DRS	YES
WM351B1JNB	1" SAE-16	BUNA-N	NONE	NONE	NO
WM351B4JNB	1" SAE-16	BUNA-N	50 PSID	NONE	NO
WM351B55DBSB	1" SAE-16	BUNA-N	5 PSID	5DBS	YES
WM351I3JNB	3/4" NPT	BUNA-N	25 PSID	NONE	NO
WM351I33DLSB	3/4" NPT	BUNA-N	25 PSID	3DLS	NO
WM351Y33DBSB	1" NPT	BUNA-N	25 PSID	3DBS	YES
WM351Y3JNB	1" NPT	BUNA-N	25 PSID	NONE	NO
WM351Y33DLSB	1" NPT	BUNA-N	25 PSID	3DLS	NO
WM351Y13DLSB	1" NPT	BUNA-N	NONE	3DLS	NO
WM351Y33DDLSB	1" NPT	BUNA-N	25 PSID	3DLS	NO

Note: For Style D Indicator, Indicate location by adding suffix: LS, RS, or BS (LS=Left Side installed, RS=Right Side installed, BS=Both Side installed.)

Head Assemblies - Double

WFD HEAD ASSY P/N	PORT SIZE	SEAL	BYPASS SETTING	VISUAL INDICATOR STYLE LOCATION	PORTED FOR ELECTRICAL INDICATOR
WM601C1JNB	1-1/4" SAE-20	BUNA-N	NONE	JN	YES
WM601G44JNB	1-1/4" SAE-20	BUNA-N	50 PSID	JN	YES

Elements

WFD ELEMENT P/N	BETA RATING	COLLAPSE RATING	LENGTH	SEAL
EM351B1R10	B10>/=200	150 PSID	6.0"	BUNA-N
EM351B1R20	B20>/=200	150 PSID	6.0"	BUNA-N
EM351V3R03	B3>/=200	150 PSID	9.4"	VITON-A
EM351B3R05	B5>/=200	150 PSID	9.4"	BUNA-N
EM351B3R10	B10>/=200	150 PSID	9.4"	BUNA-N
EM351B3R20	B20>/=200	150 PSID	9.4"	BUNA-N
EM352B1R20	B20>/=200	300 PSID	6.0"	BUNA-N
EM352B3R20	B20>/=200	300 PSID	9.4"	BUNA-N

WM50/100

WM50 50 gpm (189.3 l/min)

WM100 100 gpm (378.5 l/min)

Technical Data:

Maximum Working Pressure	350 PSI (24.1)
Rated Burst Pressure	800 PSI (55.2 bar)
Temperature Range	(-) 20° F to (+)250° F (-) 29° C to (+)121°C
Head Material	Die cast aluminum Ductile Iron available for WM100
Element Housing	Steel
Weight	
WM50 Single	7.5 LBS (3.4 kg)
WM100 Duplex	16 LBS (7.3 kg)

Available in single or dual head configurations for greater application flexibility and commonality of replacement elements.

Excellent alternative to larger return line filters. Built to withstand the higher shocks prevalent on some dump truck applications or other high-flow cyclic return lines.



Head Assemblies - Single

WFD HEAD ASSY P/N	PORT SIZE	SEAL	BYPASS SETTING	VISUAL INDICATOR STYLE LOCATION	PORTED FOR ELECTRICAL INDICATOR
WM502C33DBSB	1-1/4" SAE-20	BUNA-N	25 PSID	3DBS	YES
WM502C3JNB	1-1/4" SAE-20	BUNA-N	25 PSID	NONE	NO
WM502C13DBSB	1-1/4" SAE-20	BUNA-N	NONE	3DBS	YES
WM502C13DRSB	1-1/4" SAE-20	BUNA-N	NONE	3DRS	NO
WM502C14DBSB	1-1/4" SAE-20	BUNA-N	NONE	4DBS	YES
WM502P33DBSB	1-1/4" NPT	BUNA-N	25 PSID	3DBS	YES
WM502P33DLSB	1-1/4" NPT	BUNA-N	25 PSID	3DLS	NO

Note: For Style D Indicator, Indicate location by adding suffix: LS, RS, or BS (LS=Left Side installed, RS=Right Side installed, BS=Both Side installed.)

Head Assemblies - Double

WFD HEAD ASSY P/N	PORT SIZE	SEAL	BYPASS SETTING	VISUAL INDICATOR STYLE LOCATION	PORTED FOR ELECTRICAL INDICATOR
WM1002D33DBSB	1-1/2" SAE-24	BUNA-N	25 PSID	3DBS	YES
WM1002U33DBSB	1-1/2" NPT	BUNA-N	25 PSID	3DBS	YES
WM1002E33DBSB	1-1/2" SAE 4-BOLT	BUNA-N	25 PSID	3DBS	YES
WM1002E13DBSB	1-1/2" SAE 4-BOLT	BUNA-N	NONE	3DBS	YES
WM1002E44DRHB	1-1/2" SAE 4-BOLT	BUNA-N	50 PSID	4DRH	YES

Note: For Style D Indicator, Indicate location by adding suffix: LS, RS, or BS (LS=Left Side installed, RS=Right Side installed, BS=Both Side installed.)

Elements

WFD ELEMENT P/N	BETA RATING	COLLAPSE RATING	LENGTH	SEAL
EM502B3R05	B05>/=200	200 PSID	11.6"	BUNA-N
EM502V3R05	B05>/=200	200 PSID	11.6"	VITON A
EM502B3R10	B10>/=200	200 PSID	11.6"	BUNA-N
EM502B3R20	B20>/=200	200 PSID	11.6"	BUNA-N
EM502V3R20	B20>/=200	200 PSID	11.6"	VITON A
EM502B3Z150	N/A	200 PSID	11.6"	BUNA-N
EM502B4R03	B03>/=200	200 PSID	14.2"	BUNA-N

WM25

25 gpm (95 l/min)

Excellent choice for hydrostatic charge pump filtration for primary pump protection.

Technical Data:

Maximum Working Pressure	1,000 PSI (69 bar)
Rated Burst Pressure	2,000 PSI (138 bar)
Temperature Range	(-) 20° F to (+)250° F (-) 29° C to (+)121° C
Head Material	Die cast aluminum
Element Housing	Steel
Weight	
Assembly code length 1	3.3 Lbs (1.5kg)
Assembly code length 3	4.2 Lbs (1.9kg)



Head Assemblies - Single

WFD HEAD ASSY P/N	PORT SIZE	SEAL	BYPASS SETTING	VISUAL INDICATOR STYLE LOCATION	PORTED FOR ELECTRICAL INDICATOR
WM251A1JNB	3/4" SAE-12	BUNA-N	NO BYPASS	JN	YES
WM251A4JNB	3/4" SAE-12	BUNA-N	50 PSID	JN	YES
WM251A44DB	3/4" SAE-12	BUNA-N	50 PSID	VISUAL (4D)	YES

Elements

WFD ELEMENT P/N	BETA RATING	COLLAPSE RATING	LENGTH	SEAL
EM251B1R05	B5>/=200	150 PSID	5.5"	BUNA-N
EM251B1R20	B20>/=200	150 PSID	5.5"	BUNA-N
EM251B3R05	B5>/=200	150 PSID	9.5"	BUNA-N
EM251B3R10	B10>/=200	150 PSID	9.5"	BUNA-N
EM251B3R20	B20>/=200	150 PSID	9.5"	BUNA-N

Indicators For WestMax Filter Series



Visual Indicators

CODE	PART#	DESCRIPTION	STYLE	USE WITH BYPASS	SEALS
2D	P-239823	Visual	D	15 PSID	Buna N
3D	P-239824	Visual	D	25 PSID	Buna N
4D	P-239825	Visual	D	50 PSID	Buna N
JN	P-239826	Plugged	Blank Plate	N/A	Buna N

Electrical Indicators

CODE	PART#	DESCRIPTION	STYLE	USE WITH BYPASS	SEALS
2AO	P-239816	Single Post D.C.	A	15 PSID	Buna N
3AC	P-239817	Single Post D.C. N/C	A	25 PSID	Buna N
3AO	P-239818	Single Post D.C. N/O	A	25 PSID	Buna N
3BO	P-239819	D.C. 2-Wire	B	25 PSID	Buna N
4AC	P-239821	Single Post D.C. N/C	B	50 PSID	Buna N
4AO	P-238920	Single Post D.C. N/O	A	50 PSID	Buna N
4BO	P-239822	D.C. 2-Wire	B	50 PSID	Buna N
5AO	P-239815	Single Post D.C.	A	5 PSID	Buna N

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