



ENDURAPANEL™

ADVANCED TECHNOLOGY
IN AIR FILTRATION



FOR MEDIUM & HEAVY-DUTY EQUIPMENT



ADVANCED AIR FILTRATION TECHNOLOGY **ENDURAPANEL™**



MEETING DEMANDS FOR **DESIGN FLEXIBILITY**

The EnduraPanel line includes primary and secondary filters. The horizontally-pleated media in single and dual element designs provides the maximum amount of filter media with ample air flow.

- **Compact design provides flexibility to accommodate various engine configurations and space constraints**
- **Up to 50% smaller than conventional air filters to fit in tight areas without compromising performance or capacity**

You invest a lot in your equipment and can't afford the downtime or expense caused by premature parts failure. Highly efficient air filtration can help protect your engine from the dirt and debris common on most worksites.

Even the most efficient air filter, cannot do its job if it becomes damaged under tough working conditions. A compromised filter could cause contamination to pass around and through the media, allowing unfiltered air to reach your engine.

Baldwin's new line of EnduraPanel air filters are built to last. Delivering superior efficiency throughout the entire service interval, Baldwin EnduraPanel air filters provide the protection needed to get the job done.

CONSTRUCTED FOR **RUGGED DURABILITY**

Baldwin's EnduraPanel heavy-duty air filters represent a major advance in air filtration technology.

EnduraPanel air filters combine high efficiency and capacity in an extremely rugged, compact design. These durable filters are built to go the distance, providing outstanding protection for hard-working equipment.



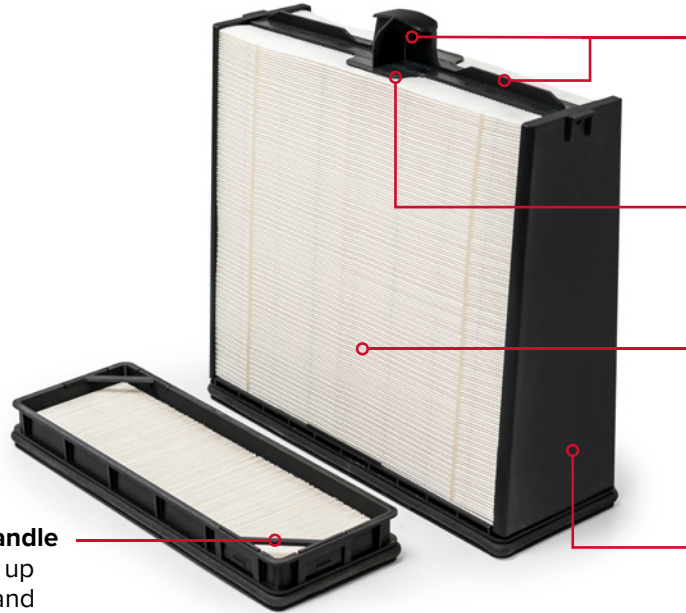
BUILT SOLID FOR LASTING PROTECTION

You can't afford breakdowns; you need a filter that will last. Baldwin EnduraPanel air filters are reinforced for durability and performance over the entire service interval, even under the toughest conditions.



Expanded Metal Support provides added stability and structural strength to prevent the media pack from collapsing

Secondary Filter's Vertical Sliding Handle lays flat and raises up for easy handling and installation



Easy Grip and Top Side Handles make installation and removal easier and prevent media damage

Grip Handle Base protects media from damage caused by the housing lid

Horizontal Pleating Formation allows media to be solidly embedded into the end cap, reducing the number of possible leak paths

High Strength, Injection Molded Frame provides superior strength to prevent structural failure

TESTING PROVES SUPERIOR ENDURANCE OVER THE OE

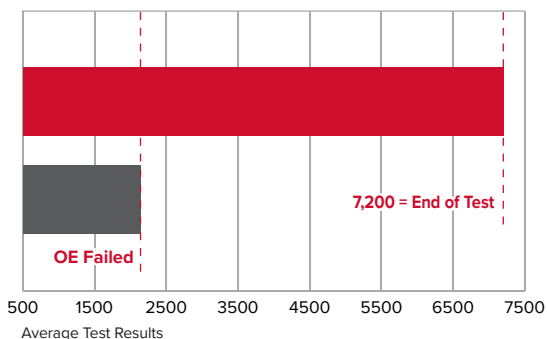
Rigorous head-to-head structural endurance testing shows the EnduraPanel design is superior to the OE. In proprietary tests simulating "real world" vibration, pressure and temperature variations, EnduraPanel outperformed the OE every time.

The OE design consistently failed less than halfway into the 7,200 cycle structural endurance test. Media distortion, separation and glue-bead cracking were observed, resulting in leak paths that allowed contaminant to pass through and around the filter media. Under the same test conditions, Baldwin EnduraPanel filters remained intact and undamaged every single time. The EnduraPanel air filters experienced no contaminant bypass or other signs of failure.

EnduraPanel air filters deliver uncompromising efficiency and capacity to protect engines under the toughest conditions.

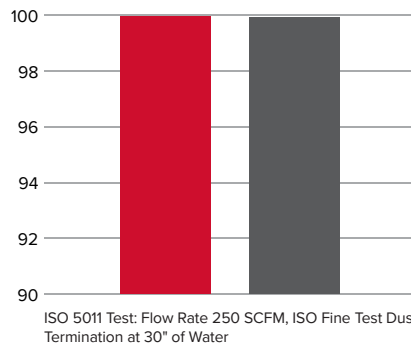
STRUCTURAL ENDURANCE (Cycles)

■ BALDWIN ■ OE



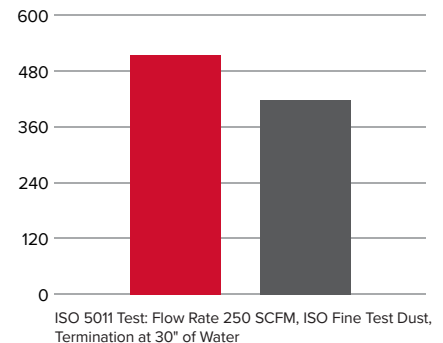
EFFICIENCY (%)

■ BALDWIN PA31010 ■ OE



CAPACITY (g)

■ BALDWIN PA31010 ■ OE



SUPERIOR PROTECTION FOR MEDIUM & HEAVY-DUTY EQUIPMENT

Baldwin is committed to keeping up with advanced engine designs, developing new air filtration technology and continuing to deliver high performing air filters.

You can trust Baldwin EnduraPanel air filters' durable design will keep your engine clean and your equipment operating efficiently for years to come.

CROSS-REFERENCE GUIDE

BALDWIN	OE	DONALDSON	FLEETGUARD	LUBER-FINER	WIX
PA31000	5261250 (Cummins) 11Q910180 (Hyundai) 2217025 (Wirtgen)	DBA5293	AF55015	–	–
PA31001	5261252 (Cummins) 11Q910190 (Hyundai) 2217026 (Wirtgen)	P633484	AF55309	–	–
PA31002	5261249 (Cummins) 11LL45180PB (Hyundai) 2216429 (Vogele) 2220358 (Wirtgen)	DBA5292	AF55014	–	–
PA31003	5261251 (Cummins) 11LL45190PB (Hyundai) 2220366 (Wirtgen)	P633483	AF55308	–	–
PA31004	70024177 (JLG)	–	AF55020	–	–
PA31005	700738184 (Agco)	–	AF55312	–	–
PA31006	700738183 (Agco) 5288553 (Cummins) 70024175 (JLG)	–	AF55021	–	–
PA31007	5310325 (Cummins)	–	AF55320	–	–
PA31010	7286652 (Bobcat)	–	–	–	–
PA31011	7010031 (Bobcat)	–	–	–	–
PA31012	5261248 (Cummins)	DBA5291	AF55005	–	–

APPLICATION GUIDE

BALDWIN	TYPE	APPLICATION
PA31000 (Pri) PA31001 (Sec)	Dual	Hyundai R330LC-9A Excavator, Wirtgen W100Fi, W120Fi, W130Fi, W150i, W210i Cold Milling Machines with Cummins QSL9 Engine
PA31002 (Pri) PA31003 (Sec)	Single	Hyundai R480LC-9A Excavator with Cummins QSX11.9 Engine; Wirtgen W250i Cold Milling Machine with Cummins QSL9 Engine, W200i, WR240i, W250i Cold Milling Machines with Cummins QSX15 Engine; Vogele Super 1803-3, Super 2100-3 Pavers with Cummins QSB 6.7L Engine
PA31004 (Pri) PA31005 (Sec)* PA31007 (Sec)	Dual	JLG Industries G6-42A, SkyTrak 6036, 6042, 8042, 10042, 10054 Telehandlers with Cummins QSB 3.3L Engine; JLG Industries G9-43A, G10-43A Telehandlers with Cummins QSB 3.3T Engine
PA31006 (Pri) PA31005 (Sec)* PA31007 (Sec)	Dual	Massey Ferguson WR9725 Windrower with Cummins 3.3L Engine; JLG Industries G10-55A, G12-55A, G15-44A Telehandlers with Cummins QSB 4.5L Engine; Skyjack VR1056D Telehandler with Cummins QSB 3.3L Engine
PA31010 (Pri) PA31011 (Sec)	Single	Bobcat A770, S770, S850, T770, T870 Skid Steer Loaders with Kubota V3800-DI-T Engine; Bobcat S750, T750 Skid Steer Loaders with Kubota V3800T Engine; Bobcat S740 Skid Steer Loader with Doosan D34 Engine
PA31012 (Pri)	Single	Hyundai Excavators with Cummins QSB6.7, QSL9. Engines, Ford F-750 with Cummins QSB 6.7

* Foam Media for use with a Mass Air Flow (MAF) Sensor



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Designed and manufactured in the USA.

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WARNING: These products can expose you to chemicals, including Diisononyl Phthalate, Carbon black extracts, Nickel, 1,3 Butadiene, Ethylene Oxide, Epichlorohydrin, which are known to the State of California to cause cancer, and Bisphenol-A, Ethylene Glycol, Ethylene Oxide, 1,3 Butadiene, Epichlorohydrin, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.