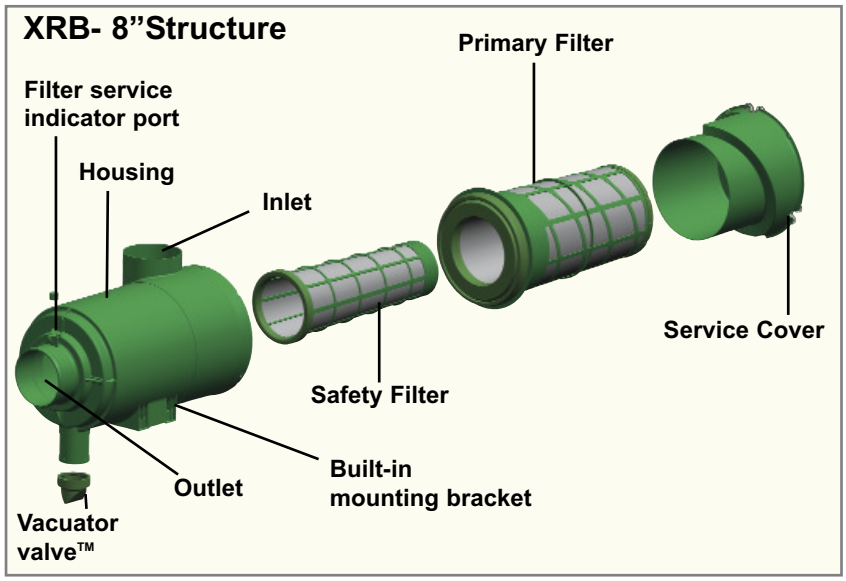
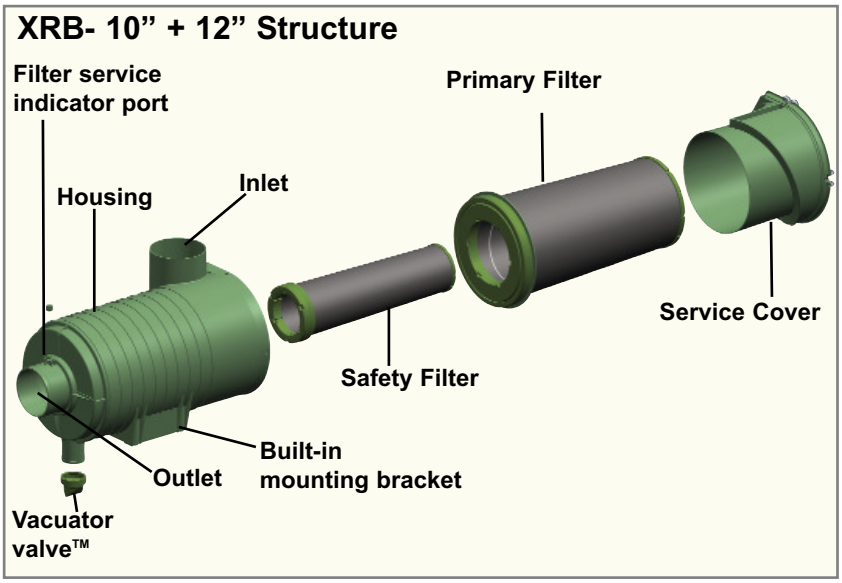
XRB Two-stage Air Cleaner

A smaller, lightweight alternative

Product Description:

- Smaller in diameter compared to competitive brands with similar airflow
- Improved handling and maintenance: lighter and smaller, changing filters is a snap
- Product design includes:
  - primary filter
  - safety filter
  - Filter service indicator port
- The 8” filter has non metal primary and safety filters
  The 10” and 12” filters have metal outer liners
- Cover latch position allows for minimum service clearance and eases filter service
- Mounting brackets built-in to air cleaner body.
  Eliminates need for air cleaner mounting bands
- Primary filter locked in place by service cover, cannot be mis-assembled
- Optional inlet orientations





Applications:

- Operating in medium-dust conditions with airflow range of 265 to 630 cfm (7.4 to 17.8 m^3/min)
- Installs horizontally
- Sustained temperature tolerance: -40º to 180°F / -40º to 82°C

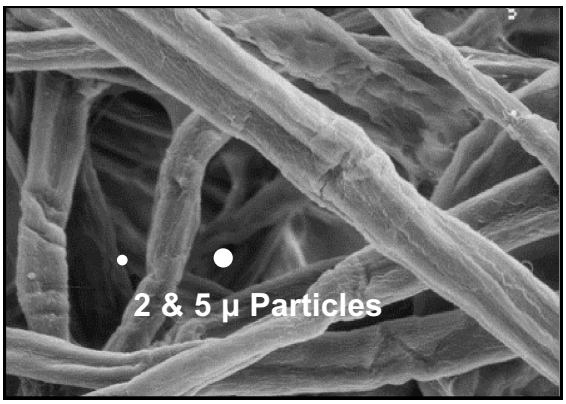
Technical alterations reserved (R00/ 2008/08/11)

XRB-media

Filter media	Benefits
Industry leading cellulose media standard	High efficiency, long life, strong value
Ultra-Web® nanofiber media available as an option	Highest efficiency, longest life, maximum performance

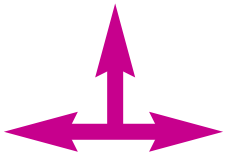
Ultra-Web® media (option)

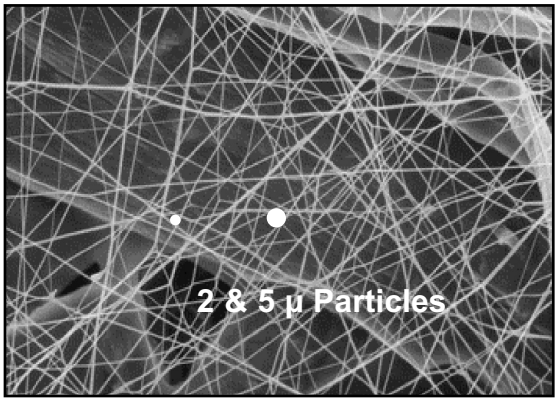
The Ultra-Web® nanofiber technology has a web-like filtering layer applied over the surface of specially formulated cellulose media. This causes sub-micron contaminants to load on the surface. In field tests, filters using Ultra-Web® nanofiber technology hold up to five times more contaminant and allow less contaminant to pass through the media than comparably sized cellulose air filters. Ultra-Web® fibers have sub-micron diameters and small interfibre spaces, which result in more contaminant being captured and lower restriction. This results in superior air / oil separator protection and life extension.



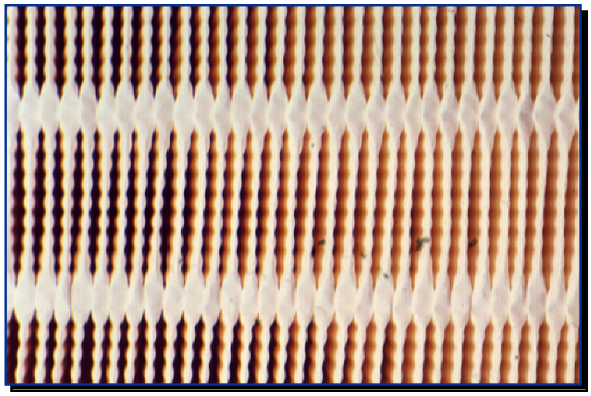
Cellulose Fibers

Under microscope





Nano Fibers



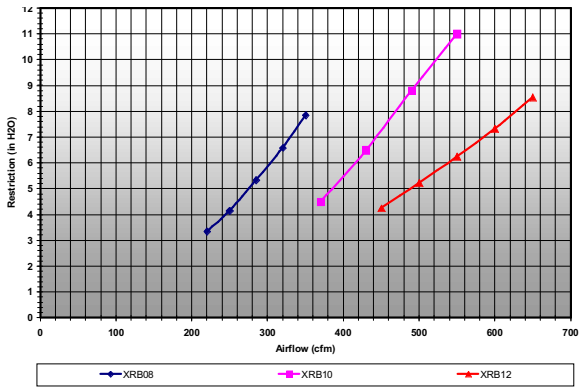
Pleated media

Technical Information XRB range

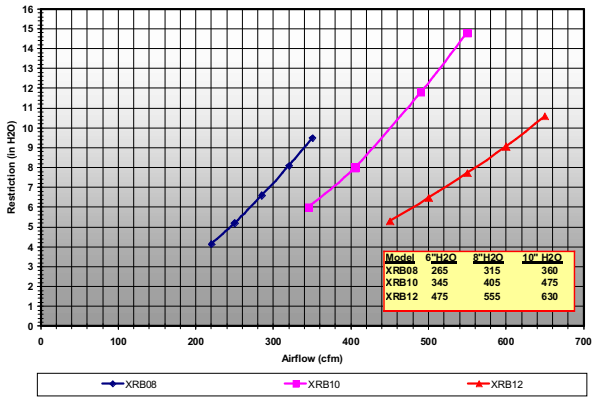
Air Intake Filters			
Product	XR-B080074 8” Air Intake Filter	XR-B100127 10” Air Intake Filter	XR-B120470 12” Air Intake Filter
Application	Air Intake	Air Intake	Air Intake
Media type	Standard Cellulose / Ultra-Web®	Standard Cellulose / Ultra-Web®	Standard Cellulose / Ultra-Web®
Sealing	Reverse Radial Seal element retention	Reverse Radial Seal element retention	Reverse Radial Seal element retention
Inlet orientation standard*	up	up	up
Airflow (m^3/min)	7.4-10.0	9.2-13.3	13.3-17.6
Pressure Drop @ max. Airflow (kPa)	2.1	2.25	2.35
Pre-Cleaner Efficiency (%)	80-85	80-85	80-85
Main Element			
Product	P611190 8” Main Element	P611539 10” Main Element	P608116 12” Main Element
Options			
Product	P611189 Safety Element	P611540 Safety Element	P608391 Safety Element
	X002251 Restriction Indicator	X002251 Restriction Indicator	X002251 Restriction Indicator
	H770011 Rain Hood	H770013 Rain Hood	H770090 Rain Hood

* other inlet orientations on request

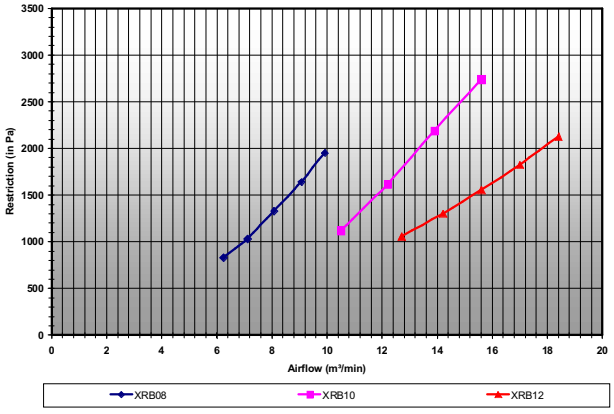
XRB Curve without safety



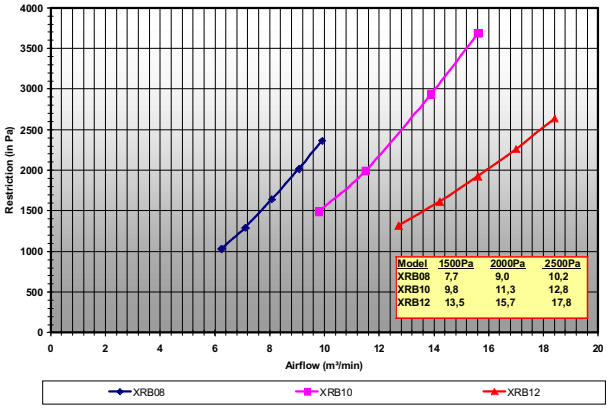
XRB Curve with safety



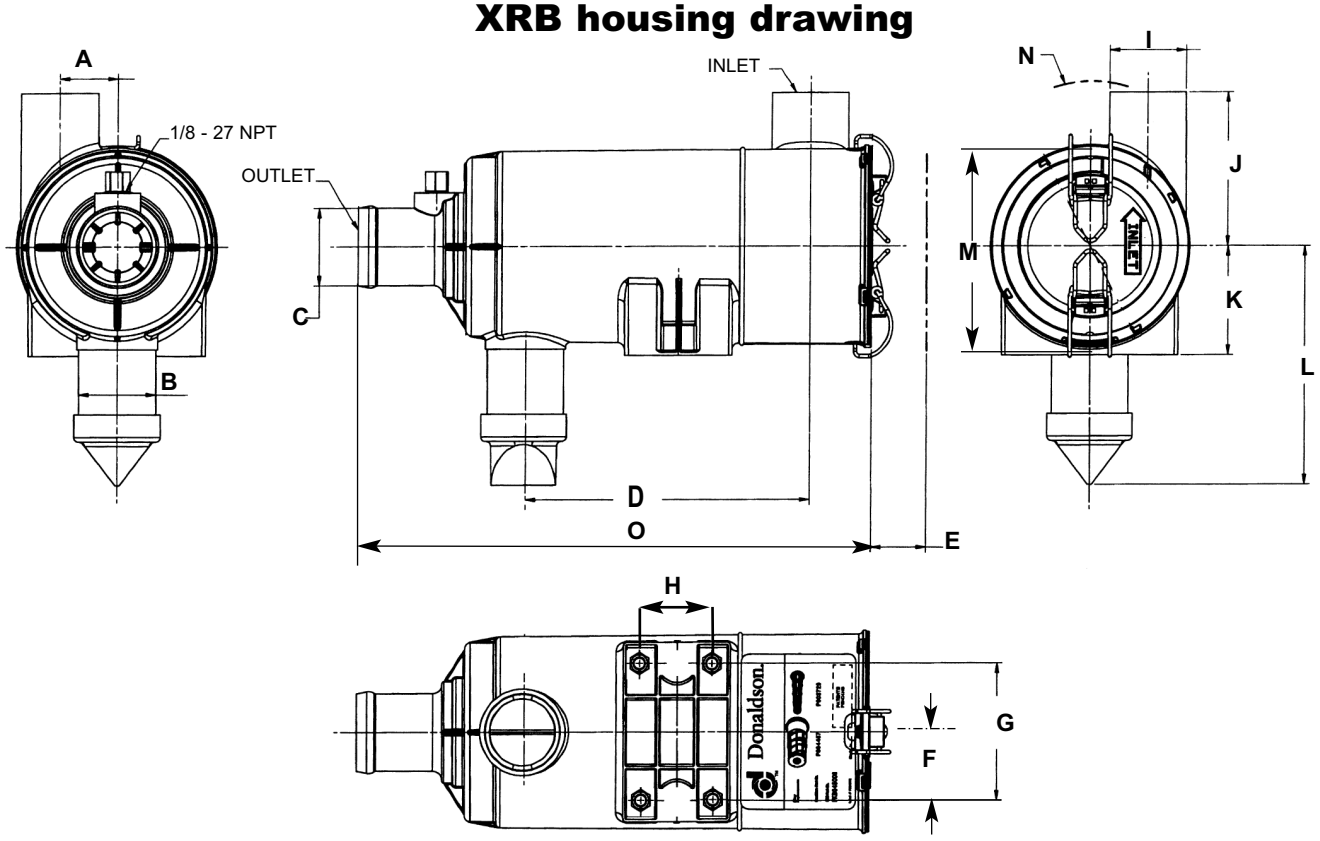
XRB Curve without safety



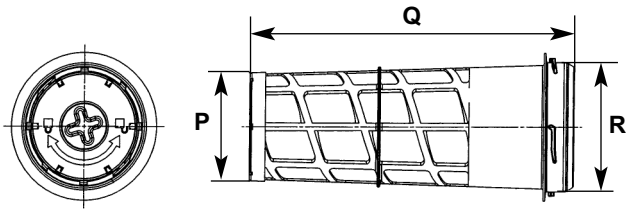
XRB Curve with safety



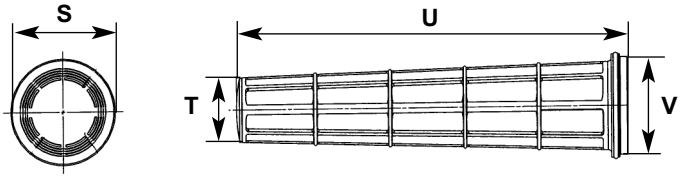
XRB housing drawing



XRB main filter drawing



XRB safety filter drawing



Size	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	A		ø B		ø C		D		E*		F		G		H		ø I	
8”	59.0	2.32	50.8	2.00	101.6	4.00	259.0	10.20	375.0	14.76	74.8	2.94	149.6	5.89	70.0	2.76	101.6	4.00
10”	76.0	2.99	50.8	2.00	114.3	4.50	357.9	14.09	492.9	19.41	100.0	3.94	200.0	7.87	130.0	5.12	127.0	5.00
12”	83.5	3.29	50.8	2.00	128.1	5.04	384.5	15.14	526.0	20.71	100.0	3.94	200.0	7.87	150.0	5.91	152.4	6.00
	J		K		L		ø M		ø N**		O		ø P		Q		ø R	
8”	140.0	5.51	110.0	4.33	198.7	7.82	231.3	9.11	35.0	1.38	437.0	17.20	161.5	6.36	358.9	14.13	195.3	7.69
10”	199.0	7.83	145.0	5.71	224.7	8.85	288.5	11.36	35.0	1.38	565.3	22.26	209.2	8.24	478.8	18.85	253.0	9.96
12”	218.0	8.58	165.0	6.50	244.5	9.63	330.8	13.02	35.0	1.38	601.4	23.68	244.8	9.64	518.4	20.41	310.0	12.2

	ø S		ø T		U		ø V					
8”	129.0	5.08	98.0	3.86	365.7	14.40	-	-				
10”	134.6	5.30	111.7	4.40	443.0	17.44	94.0	3.70				
12”	150.9	5.94	127.9	5.04	499.0	19.65	-	-				

* Approximately clearance for filter assembly removal

** Approximately clearance for latch operation