

# PRO XF - Flanged

Redefining Compressed Air Filtration | Flanged Filters

Flow rates 900 scfm (1529 Nm<sup>3</sup>/hr) to 3000 scfm (5097 Nm<sup>3</sup>/hr)

**Developed as a compact alternative to conventional fabricated flanged vessels, Walker Filtration's team of highly skilled engineers have created an innovative and unique compressed air filtration system.**

The PRO XF filter range is modular in design, providing technologically enhanced filter housings and elements that improve performance and offer reduced total cost of ownership. Maintenance and installation efficiency has been a prime consideration, with servicing time reduced by up to 80% when compared with conventional fabricated vessels.

Delivering a 16 barg working pressure at temperatures up to 120°C, PRO XF flanged filters are available in port sizes DN80 (3") and DN100 (4") and are designed to meet ISO 8573-1 : 2010 quality classes.



**Top Loading Design**  
Easy access to filter element via top endcap for quick and simple change out

**Unique Filter Element**  
Patented endcap enhances air flow and reduces differential pressure

**Modular Construction**  
Slim-line connectors reduce footprint of multi-banked units

**New design:**  
**65% lighter**  
**45% smaller\***



**Compact Design** 65% lighter in weight and 45% smaller\*

**Space Saving Modular Construction** Filters can be installed individually or multi-banked using slim-line connectors and one set of flanged inlet and outlet ports

**Service Friendly** Top loading design makes access to the internal filter element quick and simple, eliminating the need to remove drain during element change out

**High Efficiency** Custom engineered filtration media delivers optimum performance in line with quality standard ISO 8573-1 : 2010

**Safe Handling** New 'Easy Grip' element minimises contact with contaminated filtration media for safe handling and quick, efficient filter element change out

**Reduced Delivery Lead Time** Through innovative design and lean manufacturing, Walker Filtration has reduced delivery lead time

**Flexible Installation** Floor mounting brackets are available for all PRO XF flanged filters

**Corrosion Protection** Internal and external EP coating

**Externally accessible drain valve** Unique easy access drain can be removed externally and is supplied as standard on all models

\* When comparing PRO XF flanged filters with traditional fabricated vessels



# Technical Specification

## PRO XF Complete Filter

Complete Filter model	Pipe Size	Inlet flow rate*		Dimensions mm						Weight Kg	Element model	No. of elements
		Nm <sup>3</sup> /hr	SCFM	A	B	C	D	E	F			
<b>XF341F (grade)</b>	DN80 / 3"	1529	900	352	116	650	550	171	217	16.7	<b>E1142 (grade)</b>	1
<b>XF361F (grade)</b>	DN80 / 3"	2124	1250	352	116	870	750	171	217	20.4	<b>E1162 (grade)</b>	1
<b>XF371F (grade)</b>	DN80 / 3"	2550	1500	352	116	1027	950	171	217	22.9	<b>E1172 (grade)</b>	1
<b>XF442F (grade)</b>	DN100 / 4"	3058	1800	457	116	650	550	343	N/A	30.8	<b>E1142 (grade)</b>	2
<b>XF462F (grade)</b>	DN100 / 4"	4248	2500	457	116	870	750	343	N/A	37.7	<b>E1162 (grade)</b>	2
<b>XF472F (grade)</b>	DN100 / 4"	5097	3000	457	116	1027	950	343	N/A	42.3	<b>E1172 (grade)</b>	2

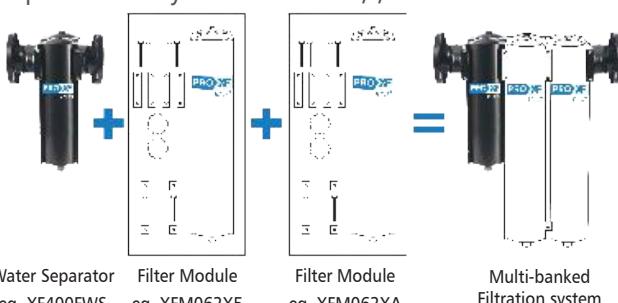
\*Rated flow at 7 barg, referenced conditions 1 barg (a) 20°C

## PRO XF Filter Module

Filter module	Inlet flow rate*		Dimensions mm						Weight Kg	Element model	No. of elements
	Nm <sup>3</sup> /hr	SCFM	A	B	C	D	E	F			
<b>XFM041 (grade)</b>	1529	900	168	116	650	550	171	217	11.2	<b>E1142 (grade)</b>	1
<b>XFM061 (grade)</b>	2124	1250	168	116	870	750	171	217	14.9	<b>E1162 (grade)</b>	1
<b>XFM071 (grade)</b>	2550	1500	168	116	1027	950	171	217	17.4	<b>E1172 (grade)</b>	1
<b>XFM042 (grade)</b>	3058	1800	168	116	650	550	116	N/A	20.4	<b>E1142 (grade)</b>	2
<b>XFM062 (grade)</b>	4248	2500	168	116	870	750	116	N/A	27.3	<b>E1162 (grade)</b>	2
<b>XFM072 (grade)</b>	5097	3000	168	116	1027	950	116	N/A	31.9	<b>E1172 (grade)</b>	2

\*Rated flow at 7 barg, referenced conditions 1 barg (a) 20°C

### Example: Air Purity Classification 1,-,1



## Technical notes

1. Direction of air flow is inside to out through the filter element for Coalescing Filter grades X25 (25 micron), X5 (5 micron), X1 (1 micron), XA (0.01 micron), AC (0.01 micron).
2. Direction of air flow is outside to in through the filter element for Particulate Filter grades RX25 (25 micron), RX5 (5 micron), RX1 (1 micron), RXA (0.01 micron), RAC (0.01 micron).
3. Differential pressure indicators (65DPIG) fitted as standard to Complete Filters XF341F to XF371F and Filter Modules XFM041 to XFM071. AC filters do not include differential pressure equipment.
4. Activated Carbon Filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).
5. Flanged connections are DN80 PN16 (3") and DN100 PN16 flanged (4"), or ANSI B16.5 class 150 (3") and 300lb (4"). Filters supplied as standard, i.e. XF341F, will be supplied with DN type flanges. For 3" ANSI 150lb and 4" ANSI 300lb flanges add the suffix 'P' to the part number e.g. XF341FPX.
6. Filter elements should be changed every 12 months/ 8000 hours (whichever comes first). Activated Carbon Filter elements should be changed every 6 months/ 1000 hours (whichever comes first).
7. 25, 5, 1 and 0.01 micron Coalescing Filters are fitted as standard with an external float operated automatic drain valve and operate at 16 barg (232 psig) at 80°C (176°F), 120°C (248°F) operating temperature available when supplied with a manual drain valve. Particulate Filters and Activated Carbon Filters are fitted with manual drain valves as standard.
8. Filter Modules are supplied without flanged connection ports and include one set of slim-line connectors to allow multi-banking of filter housings. A Complete Filter vessel or Water Separator must be purchased for multi-banking.
9. Floor mounting brackets (XFMBK2 and XFMBK3) are available for all models. See price guide for further information.

**CRN**

