

## 17 Series

Air preparation line includes  
new combination filter  
regulator units




Engineering  
GREAT Solutions

# Contents

03	Introduction
04	B17 Filter/Regulator
06	Key Features and Technical Specification
08	17 Series Products
10	Accessories

Innovation,  
products  
and service





# Engineering GREAT solutions through people, products, innovation and service

IMI Precision Engineering is a world-leader in fluid and motion control. Building close, collaborative relationships with our customers, we gain a deep understanding of their engineering needs and then mobilize our resources and expertise to deliver distinctive products and solutions.

Wherever precision, speed and engineering reliability are essential, our global footprint, problem-solving capability and portfolio of high performance products enables us to deliver GREAT solutions which help customers tackle the world's most demanding engineering challenges.

> **Reliability**

We deliver and support our high quality products through our global service network.

> **High performance products**

Calling on a world-class portfolio of fluid and motion control products including IMI Norgren, IMI Buschjost, IMI FAS, IMI Herion and IMI Maxseal. We can supply these singly, or combined in powerful customised solutions to improve performance and productivity.

> **Partnership & Problem Solving**

We get closer to our customers to understand their exact challenges.

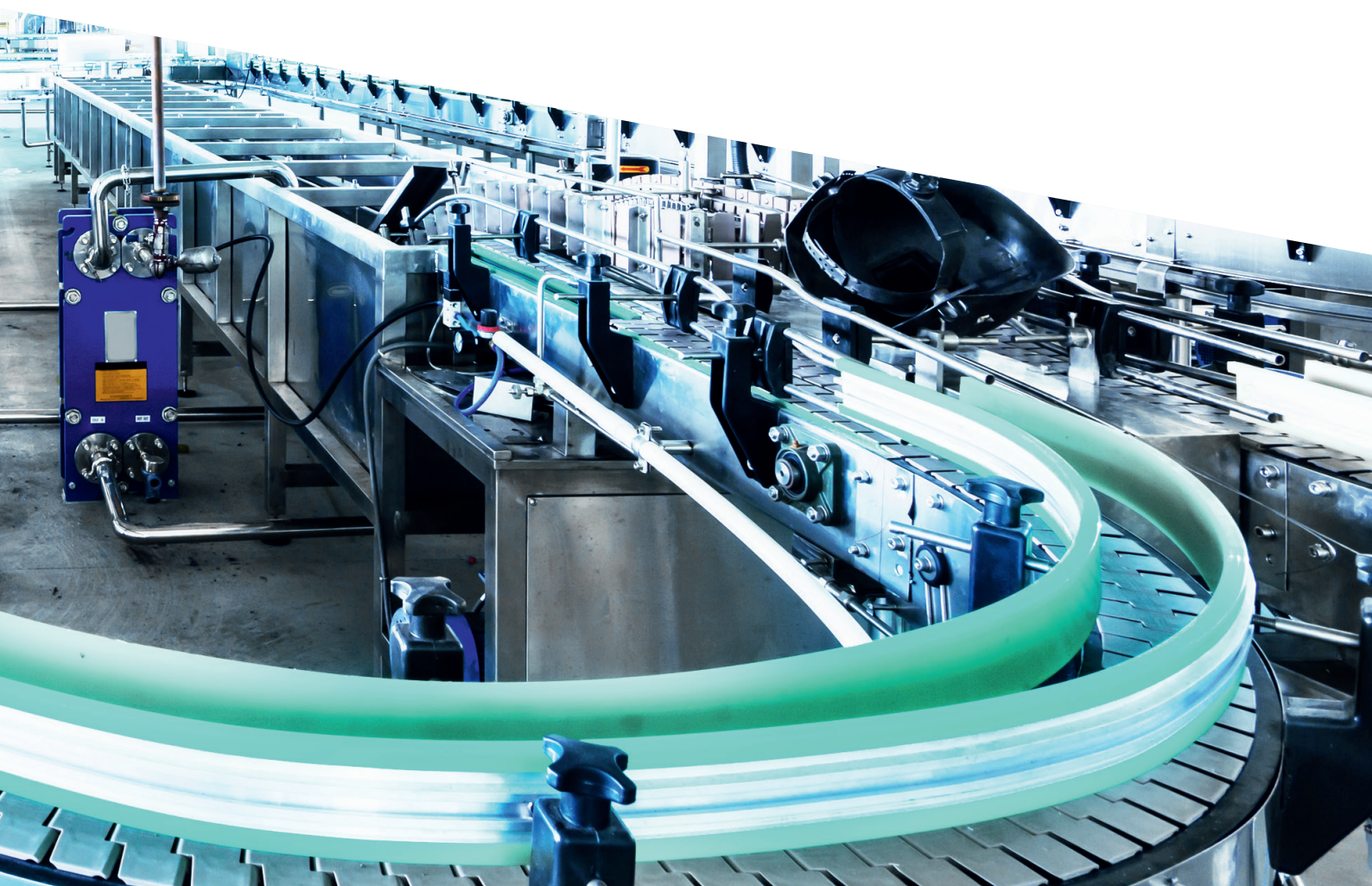
# IMI Norgren® 17 Series Air preparation products for 1" flow applications

The 17 Series of air preparation products have a 40 year track record of proven performance. Now a new combination filter/regulator complements the line with a single unit that reduces design complexity while offering the highest flow available.

IMI Norgren® 17 Series products are ideal for heavy duty applications in industrial automation, energy, mining, and pump & compressor applications, to name a few. Designed for extreme conditions, filter particles down to 5 µm, reduce overall equipment footprint and maintain pressure stability.









# Introducing the B17 Filter/Regulator

The B17 Filter/Regulator is designed for repeated use in extreme conditions and long-lasting performance in everyday Industrial Automation applications.

- > Compact footprint
- > Highest flow available
- > Reduced complexity/components

## Adjustment

- Two adjustment styles
  - Ergonomic, easy to adjust knob
  - Precision control T-handle for finite adjustments
- Lock-out capability available

## No compromise on Robustness

- Metal construction
- All versions available with sight glass for optimum viewing
- 4 port sizes to choose from
- Quality synonymous with IMI Norgren brand

## Two Bowl sizes

- One quart and one pint
- One quart allows for large element surface area providing lower pressure drops and fewer repairs during the life of the unit
- One pint accommodates tighter spaces and hard to fit applications with a 30% space savings versus installing both filter and regulator units

## Spring ranges

- Pressures ranges as high as 250 psi, meeting most application requirements



## Two Drain options

- Automatic and easy to turn quarter turn manual

# 17 Series Products

<div>F17 General Purpose Filter</div> <div></div>	<p>Screw-on bowl reduces maintenance time</p> <p>Protects air operated devices by removing liquid and solid contaminants</p> <p>Can be serviced without the use of tools or removal from the air line</p> <p>Optional visual service indicator turns from green to red when the filter element needs to be cleaned or replaced</p> <p>Application: Lumber – clean air into saw operations using large bore cylinders at high speeds</p>
<div>L17 Regulator</div> <div></div>	<p>High flow regulator, 3/4" to 1-1/2" ports</p> <p>Accurate and quick response to changes in flow demand and line pressure variations</p> <p>Balanced valve minimizes effect of changes in inlet pressure on outlet pressure</p> <p>Standard relieving models allow reduction of outlet pressure even when the system is dead-ended</p> <p>Full flow gauge ports</p> <p>Low torque, non-rising adjusting knob</p> <p>Application: Metal stamping – Pressure for operating large press safety valves</p>
<div>L17 Lubricator</div> <div></div>	<p>All around (360°) visibility of the sight-feed dome simplifies installation and adjustment Screw-on bowl reduces maintenance time</p> <p>Can be disassembled without the use of tools or removal from the air line</p> <p>Flow sensor design provides a nearly constant oil/air ratio over a wide range of air flows</p> <p>Application: Asphalt Industry – lubrication of large cylinders to operate doors at truck loadings stations</p>
<div>P8A Combination Unit</div> <div></div>	<p>Depth type filtration, 40 µm filter element</p> <p>Balance regulator valve minimizes effect of changes in inlet pressure on outlet pressure</p> <p>Low torque, no-rising regulator pressure adjusting knob</p> <p>All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment</p> <p>Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows</p>



### F46 Coalescing or Vapor Removal Filter



Screw-on bowl reduces maintenance time

Protects air operated devices by removing oil or oil vapor

Coalescing filter requires 5  $\mu\text{m}$  pre-filter

Vapor removal requires coalescing pre-filter

Optional visual service indicator turns from green to red when the coalescing filter element needs to be replaced

Application: Carpet Industry – Clean air for extrusion lines that convert plastic pellets into yarn for carpet

### B17 Combined Filter/Regulator Unit

*New!*



Size and cost reduction from combining filter and regulator into one unit

5 or 40  $\mu\text{m}$  filtration with one quart or one pint bowl options

Balance regulator valve minimizes effect of changes in inlet pressure on outlet pressure

Knob or t-handle adjustment

Three spring range options (60, 125, and 250 pound)

Automatic or manual drain

### P8H Combination Unit

*New!*



Size and cost reduction from combining filter and regulator into one unit

Balance regulator valve minimizes effect of changes in inlet pressure on outlet pressure

Low torque, no-rising regulator pressure adjusting knob

All around (360°) visibility of the lubricator sight-feed dome simplifies installation and adjustment

Lubricator flow sensor provides a nearly constant oil/air ratio over a wide range of air flows

Depth type filtration, 40  $\mu\text{m}$  filter element

Models


Adjustment	
A17	T-handle
B17	Knob
Port Size	Substitute
3/4"	6
1"	8
1-1/4"	A
1-1/2"	B
Options (all remaining)	Substitute
Metal bowl with sight glass, gauge	96
Metal bowl with sight glass, no gauge	97






B17-★ ★ ★ - ★ ★ ★ ★

Threads	Substitute
PTF	A
ISO G	G
1-1/2" BSPP	C
Pressure Range	Substitute
5 to 125 psig (0.3 to 8.5 bar)	L
10 to 250 psig (0.7 to 17 bar) *	S
Element	Substitute
5 micron	1
40 micron	3
Drain	Substitute
Automatic, 1 quart (1 liter)	A
Manual, 1 quart (1 liter)	M
Automatic, 1 pint (0.5 liter)	F
MManual, 1 pint (0.5 liter)	B


\* t-handle (A17) adjustment only

Accessories

Port size	Wall mounting bracket
	
3/4"	6212-50
1"	6212-50
1 1/4"	6212-51
1 1/2"	6212-51


Tamper evident cover and seal wire	Service Kit non-relieving	Concentric reducing adaptors for gauge ports	Replacement elements	Replacemtn elements Filter element short (Standard)	Replacement drain
					
4355-51	5579-01	R1/4-G1/8 150232818	5 µm: 5311-01 40 µm: 5311-03	5 µm: 5511-01 40 µm: 5576-03	Automatic: 3000-70 Manual (1/4 turn): 619-50

Gauge

Center back connection, white face					
					
Pressure range					
bar *1	Mpa	psi	Ø	Thread size	Model
0 to 4	0 to 0.4	0 to 58	50 mm	R1/8 *2)	18-015-011
0 to 10	0 to 1	0 to 145	50 mm	R1/8 *2)	18-015-013
0 to 25	0 to 2.5	0 to 362	50 mm	R1/8 *2)	18-015-014

\*1) Primary scale  
\*2) Concentric reducing adapter for gauge ports Model 150232818 (R1/4-G1/8)

Gauge

Center back connection, black face					
					
Pressure range					
psig *1	bar	Mpa	Ø	Thread size	Model
0 to 60	0 to 0.4	0 to 0.4	2" 50 mm	1/4 NPT	18-015-208
0 to 160	0 to 11	0 to 1.1	2" 50 mm	1/4 NPT	18-015-209
0 to 300	0 to 20	0 to 2.1	2" 50 mm	1/4 NPT	18-015-210

\*1) Primary scale







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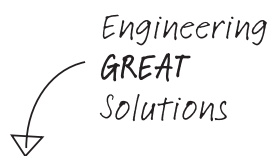
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