



Filter-Regulators

SYNTESI®

Metal Work Syntesi filter-regulators provide particulate and moisture removal as well as pressure regulation in a compact package.

Features

- Includes filter and 0-120 psig regulator
- Fluid - Compressed air or other inert gases
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- Gauges sold separately
- Max. input pressure 217 psi (188 psi for size 2)



Part No.
5U23B243



Part No.
5U11B241



See www.AutomationDirect.com for a wide variety of fitting options

Metal Work Syntesi Filter-Regulators

Part No.	Price	Weight (lbs)	Size	Inlet(s) (NPT)	Outlet(s) (NPT)	Drain Bowl	Drain Type	Setpoint Range	Filter	Drawing Link	Manufacturer Specs
<u>5U11B241</u>	\$35.50	0.60	1	1/8in female NPT	1/8in female NPT	Clear technopolymer w/ guard	Manual/ semi-automatic drain	0-120 psi	Particulate filter element 20 micron	<u>PDF</u>	<u>PDF</u>
<u>5U12B242</u>	\$35.50	0.60		1/4in female NPT	1/4in female NPT					<u>PDF</u>	
<u>5U13B243</u>	\$35.50	0.55		3/8in female NPT	3/8in female NPT					<u>PDF</u>	
<u>5U23B243</u>	\$54.00	1.55	2	1/2in female NPT	1/2in female NPT					<u>PDF</u>	
<u>5U24B244</u>	\$54.00	1.50		3/4in female NPT	3/4in female NPT					<u>PDF</u>	
<u>5U25B245</u>	\$57.00	1.55		1in female NPT	1in female NPT					<u>PDF</u>	
<u>5U26B246</u>	\$57.00	1.50		1in female NPT	1in female NPT					<u>PDF</u>	

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).



Accessories








Metal Work Syntesi Accessories						
Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	88257E1	\$3.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 1 regulators and filter-regulators.	PDF	PDF	0.10
	88257E2	\$4.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 2 regulators and filter-regulators.	PDF	PDF	0.10
	88257E3	\$11.25	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.15
	88257E4	\$13.00	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.30
	9200718X	\$15.50	Metal Work DIN rail adapter, anodized aluminum. Package of 2. For use with Syntesi Size 1 and 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	88257E5	\$2.25	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.05
	88257E6	\$5.75	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	88257E7	\$3.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	PDF	PDF	0.05
	88257E8	\$5.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	PDF	PDF	0.20
	5U11P201	\$32.00	Metal Work air distribution block, 1/8in female NPT inlet(s), (1) 1/4in female NPT and (2) 1/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U12P202	\$32.00	Metal Work air distribution block, 1/4in female NPT inlet(s), (1) 1/8in female NPT and (2) 1/4in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U13P203	\$32.00	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 1/8in female NPT, (1) 1/4in female NPT and (1) 3/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.35
	5U23P203	\$52.00	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 1/4in female NPT and (2) 3/8in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	1.00
	5U24P204	\$52.00	Metal Work air distribution block, 1/2in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 1/2in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.95
	5U25P205	\$59.00	Metal Work air distribution block, 3/4in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 3/4in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	1.00
	5U26P206	\$59.00	Metal Work air distribution block, 1in female NPT inlet(s), (1) 1/4in female NPT, (1) 3/8in female NPT and (1) 1in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.95
	5U10P100	\$7.25	Metal Work air distribution block, 3/8in female NPT inlet(s), (1) 3/8in female NPT and (2) 1/8in female NPT outlet(s). For use with Syntesi Size 1 air prep components.	PDF	PDF	0.15
	5U20P100	\$19.50	Metal Work air distribution block, 1/2in female NPT inlet(s), (1) 1/2in female NPT and (2) 3/8in female NPT outlet(s). For use with Syntesi Size 2 air prep components.	PDF	PDF	0.25



Accessories

SYNTEsi®

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Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	<u>88257E9</u>	\$2.25	Metal Work hex bushing, G1/4 male BSPP to G1/8 female BSPP, brass. For use with Syntesi Size 2 regulators and filter-regulators.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F1</u>	\$1.75	Metal Work port adapter, 1/8in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F2</u>	\$1.75	Metal Work port adapter, 1/4in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F3</u>	\$1.75	Metal Work port adapter, 3/8in female NPT, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.05
	<u>88257F4</u>	\$5.00	Metal Work port adapter, 3/8in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257F5</u>	\$5.00	Metal Work port adapter, 1/2in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F6</u>	\$8.50	Metal Work port adapter, 3/4in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F7</u>	\$8.50	Metal Work port adapter, 1in female NPT, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257F8</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm diameter, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257F9</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm diameter, 0 to 60 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257G1</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 50mm diameter, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>88257G2</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 50mm diameter, 0 to 60 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.15
	<u>9700110</u>	\$7.50	Metal Work pneumatic mechanical pressure gauge, 40mm x 40mm, 0 to 180 psi, G1/8 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G3</u>	\$11.75	Metal Work pneumatic mechanical pressure gauge, 63mm diameter, 0 to 180 psi, G1/4 male BSPP process connection, center back mount.	<u>PDF</u>	<u>PDF</u>	0.20
	<u>9210101</u>	\$26.50	Metal Work automatic drain, for use with Syntesi Size 1 air prep components. Filter bowl included.	N/A	<u>PDF</u>	0.15
	<u>9210106</u>	\$32.50	Metal Work automatic drain, for use with Syntesi Size 2 air prep components. Filter bowl included.	N/A	<u>PDF</u>	0.25



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Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	<u>9210150</u>	\$4.25	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 1 filters.	N/A	<u>PDF</u>	0.05
	<u>9210151</u>	\$4.25	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 1 filters.	N/A	<u>PDF</u>	0.05
	<u>9210152</u>	\$4.25	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 1 filters.	N/A	<u>PDF</u>	0.05
	<u>9210155</u>	\$5.50	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 2 filters.	N/A	<u>PDF</u>	0.05
	<u>9210156</u>	\$5.50	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 2 filters.	N/A	<u>PDF</u>	0.05
	<u>9210157</u>	\$5.50	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 2 filters.	N/A	<u>PDF</u>	0.05
	<u>9210160</u>	\$45.00	Metal Work coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with Syntesi Size 1 filters.	N/A	<u>PDF</u>	0.05
	<u>9210165</u>	\$77.00	Metal Work coalescing oil removal filter element, replacement, 0.01 micron particles, borosilicate glass microfiber. For use with Syntesi Size 2 filters.	N/A	<u>PDF</u>	0.10
	<u>9210190</u>	\$2.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 1 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210191</u>	\$2.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 1 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210192</u>	\$2.00	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 1 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210193</u>	\$2.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 1 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210195</u>	\$4.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 2 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210196</u>	\$4.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 2 regulators.	N/A	<u>PDF</u>	0.05
	<u>9210197</u>	\$2.75	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 2 regulators.	N/A	<u>PDF</u>	0.10
	<u>9210198</u>	\$3.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 2 regulators.	N/A	<u>PDF</u>	0.15



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Metal Work Syntesi Accessories						
Item Photo	Part No.	Price	Description	Drawing Link	Manufacturer Specs	Weight (lbs)
	<u>88257G4</u>	\$11.75	Metal Work solenoid coil, 12 VDC, 2W, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G5</u>	\$11.75	Metal Work solenoid coil, 24 VDC, 2W, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G6</u>	\$11.75	Metal Work solenoid coil, 24 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G7</u>	\$11.75	Metal Work solenoid coil, 110 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>88257G8</u>	\$11.75	Metal Work solenoid coil, 240 VAC, 3.5VA, 11mm DIN style wiring plug. For use with Metal Work valves.	<u>PDF</u>	<u>PDF</u>	0.10
	<u>TAP-ACC21</u>	\$11.00	NITRA padlock, replacement, brass. For use with TAP unit.	N/A	N/A	0.5



Air Prep Components

SYNTEsi

Metal Work Syntesi is the result of over 30 years of air prep manufacturing. Their goal is to provide high performance and low weight in a compact, affordable package. Syntesi has many standard features unavailable with other brands.

Features

- Lightweight yet durable bodies of technopolymer and nickel plated brass
- Additional outlet ports front and back of all modules
- Available in two body sizes
- Ports sizes from 1/8" NPT to 1" NPT

