



# Regulators

# SYNTESI®



**Part No.**  
**5U23R143**



**Part No.**  
**5U11R141**

Metal Work Syntesi regulators provide pressure regulation in a compact package.

## Features

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



See [www.AutomationDirect.com](http://www.AutomationDirect.com) for a wide variety of fitting options

Metal Work Syntesi Regulators										
Part No.	Price	Weight (lbs)	Size	Inlet(s) (NPT)	Outlet(s) (NPT)	Drain Bowl	Drain Type	Setpoint Range	Drawing Link	Manufacturer Specs
<a href="#"><u>5U11R141</u></a>	\$26.00	0.45	1	1/8in female NPT	1/8in female NPT	Clear technopolymer w/ guard	Manual/ semi-automatic drain	0-120 psi	<a href="#"><u>PDF</u></a>	<a href="#"><u>PDF</u></a>
<a href="#"><u>5U12R142</u></a>	\$26.00	0.45		1/4in female NPT	1/4in female NPT				<a href="#"><u>PDF</u></a>	
<a href="#"><u>5U13R143</u></a>	\$26.00	0.40		3/8in female NPT	3/8in female NPT				<a href="#"><u>PDF</u></a>	
<a href="#"><u>5U23R143</u></a>	\$40.00	1.20	2	1/2in female NPT	1/2in female NPT				<a href="#"><u>PDF</u></a>	
<a href="#"><u>5U24R144</u></a>	\$40.00	1.20		3/4in female NPT	3/4in female NPT				<a href="#"><u>PDF</u></a>	
<a href="#"><u>5U25R145</u></a>	\$46.50	1.25		1in female NPT	1in female NPT				<a href="#"><u>PDF</u></a>	
<a href="#"><u>5U26R146</u></a>	\$46.50	1.25		1in female NPT	1in female NPT				<a href="#"><u>PDF</u></a>	

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)
	<a href="#">88257E1</a>	\$3.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 1 regulators and filter-regulators.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.10
	<a href="#">88257E2</a>	\$4.25	Metal Work mounting bracket, panel, plated steel. For use with Syntesi Size 2 regulators and filter-regulators.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.10
	<a href="#">88257E3</a>	\$11.25	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.15
	<a href="#">88257E4</a>	\$13.00	Metal Work mounting bracket, rear, plated steel. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.30
	<a href="#">9200718X</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.20
	<a href="#">88257E5</a>	\$2.25	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.05
	<a href="#">88257E6</a>	\$5.75	Metal Work connector nipple, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.20
	<a href="#">88257E7</a>	\$3.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 1 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.05
	<a href="#">88257E8</a>	\$5.25	Metal Work connector nipple, 90 degree mounting, anodized aluminum. For use with Syntesi Size 2 air prep components. Mounting hardware included.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.20
	<a href="#">5U11P201</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.35
	<a href="#">5U12P202</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.35
	<a href="#">5U13P203</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.35
	<a href="#">5U23P203</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	1.00
	<a href="#">5U24P204</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.95
	<a href="#">5U25P205</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	1.00
	<a href="#">5U26P206</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.95
	<a href="#">5U10P100</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.15
	<a href="#">5U20P100</a>	\$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.	<a href="#">PDF</a>	<a href="#">PDF</a>	0.25



# Accessories

# SYNTESI®

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



# Accessories





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



# Accessories



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

