



Shut-Off Valves

SYNTESI®



Part No.
5U11V101



Part No.
5U11V701

Metal Work Syntesi shut-off valves block upstream air flow and exhaust downstream pressure.

Features

- Manual twist valve is lockable
- Fluid - Compressed air or other inert gases
- Solenoid valve coils sold separately
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- 3-port (3-way), 2-position, N.C.
- Max. input pressure 217 psi (188 psi for size 2)



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

Metal Work Syntesi Shut-Off Valves - Twist (N.C. Normally Closed)

Part No.	Price	Weight (lbs)	Size	Inlet(s) (NPT)	Outlet(s) (NPT)	Exhaust	Cv	Fluid	Drawing Link	Manufacturer Specs
5U11V101	\$33.50	0.40	1	1/8in female NPT	1/8in female NPT	G1/8 female BSPP	1.2	Air	PDF	PDF
5U12V102	\$33.50	0.35		1/4in female NPT	1/4in female NPT		1.5		PDF	
5U13V103	\$33.50	0.35		3/8in female NPT	3/8in female NPT		1.6		PDF	
5U23V103	\$48.00	1.10	2	1/2in female NPT	1/2in female NPT	G1/4 female BSPP	4.1		PDF	
5U24V104	\$48.50	1.00					4.4		PDF	
5U25V105	\$55.00	1.10							PDF	
5U26V106	\$56.00	1.05							PDF	

Metal Work Syntesi Shut-Off Valves - Solenoid (N.C. Normally Closed)

5U11V701	\$67.00	0.45	1	1/8in female NPT	1/8in female NPT	G1/8 female BSPP	1.2	Air	PDF	PDF
5U12V702	\$67.00	0.45		1/4in female NPT	1/4in female NPT		1.5		PDF	
5U13V703	\$67.00	0.45					1.6		PDF	
5U23V703	\$79.00	1.10	2	3/8in female NPT	3/8in female NPT	G1/4 female BSPP	4.1		PDF	
5U24V704	\$79.00	1.05		1/2in female NPT	1/2in female NPT		4.4		PDF	
5U25V705	\$85.00	1.10		3/4in female NPT	3/4in female NPT				PDF	
5U26V706	\$85.00	1.10		1in female NPT	1in female NPT				PDF	

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



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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)
	9210150	\$4.25	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210151	\$4.25	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210152	\$4.25	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 1 filters.	N/A	PDF	0.05
	9210155	\$5.50	Metal Work particulate filter element, replacement, 5 micron particles, yellow UHMWPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210156	\$5.50	Metal Work particulate filter element, replacement, 20 micron particles, white UHMWPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210157	\$5.50	Metal Work particulate filter element, replacement, 50 micron particles, blue HDPE. For use with Syntesi Size 2 filters.	N/A	PDF	0.05
	9210160	\$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	PDF	0.05
	9210165	\$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	PDF	0.10
	9210190	\$2.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210191	\$2.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210192	\$2.00	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210193	\$2.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 1 regulators.	N/A	PDF	0.05
	9210195	\$4.00	Metal Work regulator spring, 0 to 30 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.05
	9210196	\$4.00	Metal Work regulator spring, 0 to 60 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.05
	9210197	\$2.75	Metal Work regulator spring, 0 to 120 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.10
	9210198	\$3.00	Metal Work regulator spring, 0 to 180 psi range. For use with Syntesi Size 2 regulators.	N/A	PDF	0.15



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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

