



Soft Start Valves



Part No.
5U11A701

Metal Work Syntesi soft start valves act as a shut-off valve which gradually increase downstream pressure when opened.

Features






- Adjustable pressure ramp-up speed
- 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 Soft Start Valves | | | | | | | | | | | |
|--------------------------------------|----------|--------------|------|------------------|------------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Exhaust | Cv | Drawing Link | Manufacturer Specs | | |
| 5U11A701 | \$88.00 | 0.50 | 1 | 1/8in female NPT | 1/8in female NPT | G1/8 female BSPP | 1.3 | PDF | PDF | | |
| 5U12A702 | \$88.00 | 0.45 | | 1/4in female NPT | 1/4in female NPT | | 1.5 | PDF | | | |
| 5U13A703 | \$88.00 | 0.50 | | 3/8in female NPT | 3/8in female NPT | | 1.6 | PDF | | | |
| 5U23A703 | \$103.00 | 1.15 | 2 | 1/2in female NPT | 1/2in female NPT | G1/4 female BSPP | 4.1 | PDF | | | |
| 5U24A704 | \$103.00 | 1.10 | | | | | 3/4in female NPT | 3/4in female NPT | | 5.3 | PDF |
| 5U25A705 | \$110.00 | 1.20 | | | | | 1in female NPT | 1in female NPT | | | PDF |
| 5U26A706 | \$110.00 | 1.15 | | | | | | | | PDF | |







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

| 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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 pneumatic 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





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

| Metal Work Syntesi Accessories | | | | | | |
|---|-------------------------|---------|---|--------------|---------------------|--------------|
| 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 |



Accessories



| 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

