



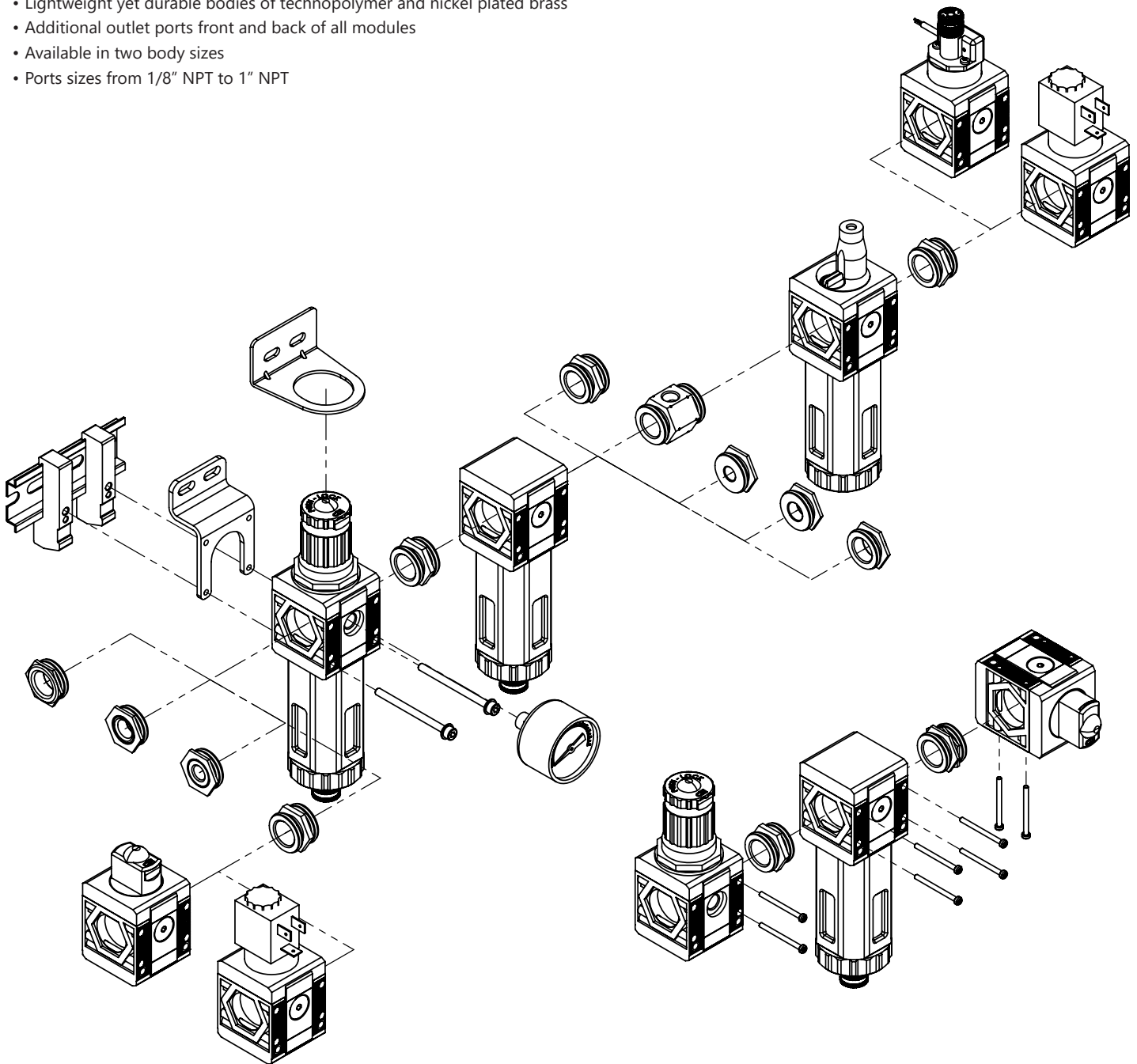
Air Prep Components

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





Valve-Filter-Regulator-Lubricators



Metal Work Syntesi combination units come pre-assembled with the most popular modules.

Features

- Includes manual shut-off / dump valve, filter-regulator and lubricator
- 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.
5U23V10B24L103



Part No.
5U11V10B24L101



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

| Metal Work Syntesi Valve-Filter-Regulator-Lubricators | | | | | | | | | | | |
|---|----------|--------------|------|------------------|------------------|---------------------|------------------------------|---------------|----------------|----------------------------|----------------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Shutoff Valve | Setpoint Range | Drawing Link | Manufacturer Specs |
| <u>5U11V10B24L101</u> | \$96.00 | 1.35 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer | Manual/ semi-automatic drain | Manual | 0-120 psi | <u>PDF</u> | <u>PDF</u> |
| <u>5U12V10B24L102</u> | \$96.00 | 1.35 | | 1/4in female NPT | 1/4in female NPT | | | | | <u>PDF</u> | |
| <u>5U13V10B24L103</u> | \$96.00 | 1.30 | | 3/8in female NPT | 3/8in female NPT | | | | | <u>PDF</u> | |
| <u>5U23V10B24L103</u> | \$143.00 | 3.55 | 2 | 1/2in female NPT | 1/2in female NPT | | | | | <u>PDF</u> | |
| <u>5U24V10B24L104</u> | \$143.00 | 3.50 | | 3/4in female NPT | 3/4in female NPT | | | | | <u>PDF</u> | |
| <u>5U25V10B24L105</u> | \$169.00 | 3.80 | | 1in female NPT | 1in female NPT | | | | | <u>PDF</u> | |
| <u>5U26V10B24L106</u> | \$169.00 | 3.80 | | | | | | | | <u>PDF</u> | |

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).
Recommended Oils - ISO and UNI FD22 (Energol HPL; Spinesso; Mobil DTE; Tellus oil)



Filter-Regulator-Lubricators



Metal Work Syntesi combination units come pre-assembled with the most popular modules.

Features

- Includes filter-regulator and lubricator
- 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.
5U23B24L103



Part No.
5U11B24L101



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

| Metal Work Syntesi Filter-Regulator-Lubricators | | | | | | | | | | |
|---|----------|--------------|------|------------------|------------------|---------------------|------------------------------|----------------|----------------------------|----------------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Setpoint Range | Drawing Link | Manufacturer Specs |
| <u>5U11B24L101</u> | \$62.00 | 1.00 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer | Manual/ semi-automatic drain | 0-120 psi | <u>PDF</u> | <u>PDF</u> |
| <u>5U12B24L102</u> | \$62.00 | 1.00 | | 1/4in female NPT | 1/4in female NPT | | | | <u>PDF</u> | |
| <u>5U13B24L103</u> | \$62.00 | 0.95 | | 3/8in female NPT | 3/8in female NPT | | | | <u>PDF</u> | |
| <u>5U23B24L103</u> | \$95.00 | 2.60 | 2 | 1/2in female NPT | 1/2in female NPT | | | | <u>PDF</u> | |
| <u>5U24B24L104</u> | \$111.00 | 2.55 | | 3/4in female NPT | 3/4in female NPT | | | | <u>PDF</u> | |
| <u>5U25B24L105</u> | \$111.00 | 2.60 | | 1in female NPT | 1in female NPT | | | | <u>PDF</u> | |
| <u>5U26B24L106</u> | \$111.00 | 2.55 | | | | | | | <u>PDF</u> | |

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).
Recommended Oils - ISO and UNI FD22 (Energol HPL; Spinesso; Mobil DTE; Tellus oil)



Filter-Lubricators



Part No.
5U23F20L103



Part No.
5U11F20L101

Metal Work Syntesi combination units come pre-assembled with the most popular modules.

Features

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



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

| Metal Work Syntesi Filter-Lubricators | | | | | | | | | | |
|---------------------------------------|---------|--------------|------|------------------|------------------|----------------------------|------------------------------|--------------------------------------|----------------------------|----------------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Filter | Drawing Link | Manufacturer Specs |
| <u>5U11F20L101</u> | \$48.00 | 0.85 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer | Manual/ semi-automatic drain | Particulate filter element 20 micron | <u>PDF</u> | <u>PDF</u> |
| <u>5U12F20L102</u> | \$48.00 | 0.85 | | 1/4in female NPT | 1/4in female NPT | | | | <u>PDF</u> | |
| <u>5U13F20L103</u> | \$48.00 | 0.85 | | 3/8in female NPT | 3/8in female NPT | | | | <u>PDF</u> | |
| <u>5U23F20L103</u> | \$74.00 | 2.15 | 2 | 1/2in female NPT | 1/2in female NPT | | | | <u>PDF</u> | |
| <u>5U24F20L104</u> | \$74.00 | 2.10 | | 3/4in female NPT | 3/4in female NPT | | | | <u>PDF</u> | |
| <u>5U25F20L105</u> | \$86.00 | 2.10 | | 1in female NPT | 1in female NPT | | | | <u>PDF</u> | |
| <u>5U26F20L106</u> | \$86.00 | 2.05 | | | | <u>PDF</u> | | | | |

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).
Recommended Oils - ISO and UNI FD22 (Energold HPL; Spinesso; Mobil DTE; Tellus oil)



Filter-Coalescing Filters



Part No.
5U23F10D103



Part No.
5U11F10D101

Metal Work Syntesi combination units come pre-assembled with the most popular modules.

Features

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



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

| Metal Work Syntesi Filter-Coalescing Filters | | | | | | | | | | | |
|--|----------|--------------|------|------------------|------------------|---------------------|------------------------------|-------------------------------------|--------------------------------------|---------------------|---------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Filter | Coalescing Filter | Drawing Link | Manufacturer Specs |
| 5U11F10D101 | \$83.00 | 0.85 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer | Manual/ semi-automatic drain | Particulate filter element 5 micron | Coalescing filter elemnt 0.01 micron | PDF | PDF |
| 5U12F10D102 | \$83.00 | 0.85 | | 1/4in female NPT | 1/4in female NPT | | | | | PDF | |
| 5U13F10D103 | \$83.00 | 0.85 | | 3/8in female NPT | 3/8in female NPT | | | | | PDF | |
| 5U23F10D103 | \$126.00 | 2.10 | 2 | 1/2in female NPT | 1/2in female NPT | | | | | PDF | |
| 5U24F10D104 | \$126.00 | 2.05 | | 3/4in female NPT | 3/4in female NPT | | | | | PDF | |
| 5U25F10D105 | \$132.00 | 2.10 | | 1in female NPT | 1in female NPT | | | | | PDF | |
| 5U26F10D106 | \$132.00 | 2.05 | | | | PDF | | | | | |

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



Filter-Regulators



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 |
| 5U11B241 | \$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 | PDF | PDF |
| 5U12B242 | \$35.50 | 0.60 | | 1/4in female NPT | 1/4in female NPT | | | | | PDF | |
| 5U13B243 | \$35.50 | 0.55 | | 3/8in female NPT | 3/8in female NPT | | | | | PDF | |
| 5U23B243 | \$54.00 | 1.55 | 2 | 1/2in female NPT | 1/2in female NPT | | | | | PDF | |
| 5U24B244 | \$54.00 | 1.50 | | 3/4in female NPT | 3/4in female NPT | | | | | PDF | |
| 5U25B245 | \$57.00 | 1.55 | | 1in female NPT | 1in female NPT | | | | | PDF | |
| 5U26B246 | \$57.00 | 1.50 | | | | | | | | PDF | |

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



Filters



Metal Work Syntesi filters provide particulate and moisture removal in a compact package. The technopolymer bowl is more resistant to environmental stress cracking than polycarbonate.

Features

- Replaceable 20 micron filter element
- Fluid - Compressed air or other inert gases
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- Max. input pressure 217 psi (188 psi for size 2)



Part No.
5U23F203



Part No.
5U11F201



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

| Metal Work Syntesi Filters | | | | | | | | | | |
|---------------------------------|---------|--------------|------|------------------|------------------|------------------------------|------------------------------|--------------------------------------|----------------------------|----------------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Filter | Drawing Link | Manufacturer Specs |
| <u>5U11F201</u> | \$21.50 | 0.45 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer w/ guard | Manual/ semi-automatic drain | Particulate filter element 20 micron | <u>PDF</u> | <u>PDF</u> |
| <u>5U12F202</u> | \$21.50 | 0.40 | | 1/4in female NPT | 1/4in female NPT | | | | <u>PDF</u> | |
| <u>5U13F203</u> | \$21.50 | 0.40 | | 3/8in female NPT | 3/8in female NPT | | | | <u>PDF</u> | |
| <u>5U23F203</u> | \$35.00 | 1.05 | 2 | 1/2in female NPT | 1/2in female NPT | | | | <u>PDF</u> | |
| <u>5U24F204</u> | \$35.00 | 1.00 | | 3/4in female NPT | 3/4in female NPT | | | | <u>PDF</u> | |
| <u>5U25F205</u> | \$41.50 | 1.05 | | 1in female NPT | 1in female NPT | | | | <u>PDF</u> | |
| <u>5U26F206</u> | \$41.50 | 1.05 | | | | | | | <u>PDF</u> | |

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



Coalescing Filters



Part No.
5U23D103



Part No.
5U11D101

Metal Work Syntesi coalescing filters provide oil mist removal in a compact package.

Features

- Replaceable 0.01 micron coalescing element
- Fluid - Compressed air or other inert gases
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- Max. input pressure 217 psi (188 psi for size 2)



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

| Metal Work Syntesi Coalescing Filters | | | | | | | | | | |
|---------------------------------------|---------|--------------|------|------------------|------------------|------------------------------|------------------------------|---------------------------------------|---------------------|---------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drain Type | Coalescing Filter | Drawing Link | Manufacturer Specs |
| 5U11D101 | \$62.00 | 0.45 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer w/ guard | Manual/ semi-automatic drain | Coalescing filter element 0.01 micron | PDF | PDF |
| 5U12D102 | \$62.00 | 0.45 | | 1/4in female NPT | 1/4in female NPT | | | | PDF | |
| 5U13D103 | \$62.00 | 0.45 | | 3/8in female NPT | 3/8in female NPT | | | | PDF | |
| 5U23D103 | \$92.00 | 1.10 | 2 | 1/2in female NPT | 1/2in female NPT | | | | PDF | |
| 5U24D104 | \$92.00 | 1.05 | | 3/4in female NPT | 3/4in female NPT | | | | PDF | |
| 5U25D105 | \$95.00 | 1.10 | | 1in female NPT | 1in female NPT | | | | PDF | |
| 5U26D106 | \$95.00 | 1.10 | | | | | | | PDF | |

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



Regulators



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 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 |
| <u>5U11R141</u> | \$26.00 | 0.45 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer w/ guard | Manual/ semi-automatic drain | 0-120 psi | <u>PDF</u> | <u>PDF</u> |
| <u>5U12R142</u> | \$26.00 | 0.45 | | 1/4in female NPT | 1/4in female NPT | | | | <u>PDF</u> | |
| <u>5U13R143</u> | \$26.00 | 0.40 | | 3/8in female NPT | 3/8in female NPT | | | | <u>PDF</u> | |
| <u>5U23R143</u> | \$40.00 | 1.20 | 2 | 1/2in female NPT | 1/2in female NPT | | | | <u>PDF</u> | |
| <u>5U24R144</u> | \$40.00 | 1.20 | | 3/4in female NPT | 3/4in female NPT | | | | <u>PDF</u> | |
| <u>5U25R145</u> | \$46.50 | 1.25 | | 1in female NPT | 1in female NPT | | | | <u>PDF</u> | |
| <u>5U26R146</u> | \$46.50 | 1.25 | | | | | | | <u>PDF</u> | |

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



Lubricators



Part No.
5U23L103



Part No.
5U11L101

Metal Work Syntesi lubricators allow oil to be added to the downstream system in a compact package.

Features

- Adjustable metering knob
- Fluid - Compressed air or other inert gases
- Transparent dome to view oil drops
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- Max. input pressure 217 psi (188 psi for size 2)



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

| Metal Work Syntesi Lubricators | | | | | | | | |
|---------------------------------|---------|--------------|------|------------------|------------------|------------------------------|----------------------------|----------------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drain Bowl | Drawing Link | Manufacturer Specs |
| <u>5U11L101</u> | \$27.00 | 0.45 | 1 | 1/8in female NPT | 1/8in female NPT | Clear technopolymer w/ guard | <u>PDF</u> | <u>PDF</u> |
| <u>5U12L102</u> | \$27.00 | 0.45 | | 1/4in female NPT | 1/4in female NPT | | <u>PDF</u> | |
| <u>5U13L103</u> | \$27.00 | 0.45 | | 3/8in female NPT | 3/8in female NPT | | <u>PDF</u> | |
| <u>5U23L103</u> | \$43.50 | 1.10 | 2 | 1/2in female NPT | 1/2in female NPT | | <u>PDF</u> | |
| <u>5U24L104</u> | \$43.50 | 1.10 | | 3/4in female NPT | 3/4in female NPT | | <u>PDF</u> | |
| <u>5U25L105</u> | \$48.00 | 1.10 | | 1in female NPT | 1in female NPT | | <u>PDF</u> | |
| <u>5U26L106</u> | \$48.00 | 1.10 | | 1in female NPT | 1in female NPT | | <u>PDF</u> | |

For additional details see manufacturer's technical specifications, manuals and inserts (where applicable).
Recommended Oils - ISO and UNI FD22 (Energol HPL; Spinesso; Mobil DTE; Tellus oil)



Shut-Off Valves



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



**Part No.
5U11V101**



**Part No.
5U11V701**

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 | 3/8in female NPT | 3/8in female NPT | G1/4 female BSPP | 4.1 | | PDF | |
| 5U24V104 | \$48.50 | 1.00 | | 1/2in female NPT | 1/2in female NPT | | 4.4 | | PDF | |
| 5U25V105 | \$55.00 | 1.10 | | 3/4in female NPT | 3/4in female NPT | | | | PDF | |
| 5U26V106 | \$56.00 | 1.05 | | 1in female NPT | 1in female NPT | | 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 | | 3/8in female NPT | 3/8in female NPT | | 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).



Soft Start Valves

SYNTESI®



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).



Pressure Switches

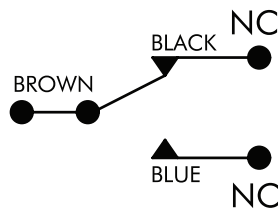


Metal Work Syntesi pressure switches are a simple modular means to detect low or high pressure states in the system.

Features

- Adjustable setpoint knob
- Fluid - Compressed air or other inert gases
- N.O./N.C. complementary outputs
- Body size 1 or 2
- Port sizes from 1/8" NPT to 1" NPT
- 7.5 to 145 psi set point
- 2 meter, 3-wire cable
- Max. input pressure 217 psi (188 psi for size 2)

Wiring



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








Part No.
5U23S103









Part No.
5U11S101

| Metal Work Syntesi Pressure Switches | | | | | | | |
|--------------------------------------|---------|--------------|------|------------------|------------------|---------------------|---------------------|
| Part No. | Price | Weight (lbs) | Size | Inlet(s) (NPT) | Outlet(s) (NPT) | Drawing Link | Manufacturer Specs |
| 5U11S101 | \$49.50 | 0.60 | 1 | 1/8in female NPT | 1/8in female NPT | PDF | PDF |
| 5U12S102 | \$49.50 | 0.60 | | 1/4in female NPT | 1/4in female NPT | PDF | |
| 5U13S103 | \$49.50 | 0.60 | | 3/8in female NPT | 3/8in female NPT | PDF | |
| 5U23S103 | \$63.00 | 1.20 | 2 | 1/2in female NPT | 1/2in female NPT | PDF | |
| 5U24S104 | \$63.00 | 1.15 | | 3/4in female NPT | 3/4in female NPT | PDF | |
| 5U25S105 | \$73.00 | 1.20 | | 1in female NPT | 1in female NPT | PDF | |
| 5U26S106 | \$73.00 | 1.15 | | | | | |

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 |



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

| 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> | PDF | 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> | PDF | 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 |