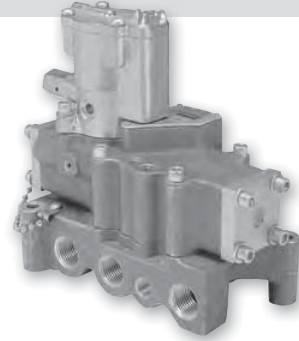


Valvair II Series

Features

- Full air operation for fastest response
- “Plug-In” option simplifies maintenance and installation
Reduces downtime. No wiring or plumbing to disturb
- “Direct pipe” design for economy and performance
- Variety of operators available; direct conduit, (JIC) junction box, NEMA 4, hazardous duty, (UL, CSA), and remote air pilot
- Field convertible to external pilot supply for vacuum or other services
- Synthetic rubber o-ring seals are specially compounded for minimum compression and friction for superior wear and abrasion resistance
- Precision ground spool “floats” on o-ring seals. Closed center cross-over design saves air
- General Purpose Approvals
 - CSA - Canadian Standards Association
File number 42024
- Hazardous Duty Approvals
 - UL - Underwriters Laboratories, Inc.
File number E42542 Category Y107
 - CSA - Canadian Standards Association
File number 24349



Modulflex Series

Isys Micro Series

Isys ISO Series

Fieldbus

DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products

Material specifications

| | | |
|--------------------------------|--|-------------------------|
| Manifolds & subbases | Aluminum alloy | |
| Other seals | Nitrile | |
| Resilient seals: in valve body | | |
| Dynamic | Polyurethane base on 3/8" basic valves* | |
| Static / dynamic | Nitrile base w / 12% Molybdenum Disulphide on 1/4" & 1/2" basic valves | |
| Shock pads | Polyurethane | |
| Solenoid bodies | Plated zinc alloy | |
| Internal components | Corrosion resistant steel | |
| Resilient seals | Standard service | Nitrile |
| | Special service (continuous duty) | Fluorocarbon & Silicone |
| Other seals | Nitrile | |
| Coil | Class “B” epoxy encapsulated (Class “H” also available on some models, consult supplier) | |
| Valve bodies | Aluminum alloy | |
| Valve spacers | Brass | |
| Valve spool | Aluminum alloy with special coating on 3/8" basic valves*. | |
| | Hard chrome plated AISI type 416 stainless steel on 1/4" & 1/2" basic valves. | |

* These materials are specially designed for valves used on non-lubricated service

Operating information

Pressure range for solenoid operated valves

| Media | Internal pilot supply | | | External pilot supply | | |
|--------|-----------------------|------|------|-----------------------|-----------------------------|--------------------|
| | 1/4" | 3/8" | 1/2" | 1/4" | 3/8" | 1/2" 1" |
| Air | 35-140* PSIG | | | N.A. | Main 0-250 PSIG | Pilot 35-140* PSIG |
| Vacuum | do not use | | | N.A. | Main within 1 Hg of perfect | Pilot 35-140* PSIG |
| Other | Consult supplier | | | | | |

* 200 PSIG solenoid is optional (consult supplier).

Pressure range for remote pilot operated valves

| Media | | Valve type | |
|--------|------------------|-------------|-------------------------|
| | | Single | Double & 3-position |
| Air | Main | 35-250 PSIG | 0-250 PSIG |
| | Pilot | 35-200 PSIG | 35-200 PSIG |
| Vacuum | Main | Do not use | Within 1" Hg of perfect |
| | Pilot | Do not use | 35-200 PSIG |
| Other | Consult supplier | | |

Ambient temperature – standard service solenoid operator

| Minimum | Maximum | |
|---------|-------------------|-----------------|
| | Intermittent duty | Continuous duty |
| 0°F | 125°F | 100°F |

Special service (continuous duty) solenoid operator

| | | |
|-----|-------|-------|
| 0°F | 125°F | 125°F |
|-----|-------|-------|

Ambient temperature – remote pilot operated valves

| | |
|-----|-------|
| 0°F | 200°F |
|-----|-------|

As the above chart indicates, Standard Duty Solenoids may be used on continuous duty but ambient temperature is de-rated.





In some cases, Special Service Solenoids may be rated for higher ambient temperatures (consult supplier).





Caution:


If it is possible that the ambient temperature may fall below freezing, the medium must be moisture free to prevent internal damage and unpredictable behavior.


4-way, 5-port, 2-position, Plug-in

| L675 (3/8" basic valve) Single solenoid | L655 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|------------|-----------------|----------------------|--------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | L6753910253 | L6553910253 |
|  |  | 4.8 | 1/2" | K022091 | K142231 | 110V 50Hz | | |
| | | 4.8 | 3/4" | K022101 | K142270 | 24VDC | L6753310249 | L6553310249 |





| L675 (1" basic valve) Single solenoid | L655 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|------------|-----------------|----------------------|--------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 11.3 | 1" | K022095 | | 120V 60Hz | L6758910253 | L6558910253 |
| | | | | | | 110V 50Hz | | |
| | | | | | | 24VDC | L6758310249 | L6558310249 |





4-way, 5-port, 3-position, Plug-in

| L665 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold † (end & bottom ports) | Voltage | Valve only | | | | |
|---|------------|-----------------|----------------------|---------------------------------|-----------|-----------------|--------------------|----------------|-----------|--------------------|
| | | | | | | Double solenoid | | | | |
|  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | | L6653921153 | | | |
| | | | | | | 1/2" | K022091 | K142231 | 110V 50Hz | |
| | | | | | | 3/4" | K022101 | K142270 | 24VDC | L6653321149 |





| L665 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold (end & bottom ports) | Voltage | Valve only | |
|---|------------|-----------------|----------------------|-------------------------------|-----------|--------------------|--------------------|
| | | | | | | Double solenoid | |
|  | 11.3 | 1" | K022095 | - | 120V 60Hz | | L6658921153 |
| | | | | | 110V 50Hz | | |
| | | | | | 24VDC | L6658321149 | |

4-way, 5-port, 2-position, Direct Pipe Ported

| L705 (3/8" basic valve) single solenoid | L685 (3/8" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|------------|--------------------|---------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 3/8" | 1/2" | 4.8 | 120V 60Hz | Junction box | L7053910253 | L6853910253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054910253 | L6854910253 |
|  |  | 3/8" | 1/2" | 4.8 | 24VDC | Junction box | L7053610249 | L6853610249 |
| | | 1/2" | 1/2" | | L7054610249 | | L6854610249 | |
| | | 3/8" | 1/2" | 4.8 | 120V 60Hz | Basic | L7053310253 | L6853310253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054310253 | L6854310253 |

| L705 (1" basic valve) single solenoid | L685 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|------------|--------------------|---------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 1" | 1-1/4" | 12.0 | 120V 60Hz | Junction box | L7058910253 | L6858910253 |
| | | 1-1/4" | 1-1/4" | | 110V 50Hz | | L7059910253 | L6859910253 |
|  |  | 1" | 1-1/4" | 12.0 | 24VDC | Junction box | L7058610249 | L6858610249 |
| | | 1-1/4" | 1-1/4" | | L7059610249 | | L6859610249 | |

4-way, 5-port, 3-position, Direct Pipe Ported

| L695 (3/8" basic valve) double solenoid | L695 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|------------|-----------|---------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | 3/8" basic size | 1" basic size |
|  |  | 3/8" | 1/2" | 4.5 | 120V 60Hz | Junction box | L6953921153 | - |
| | | 1/2" | 1/2" | | 110V 50Hz | | L6954921153 | - |
|  |  | 1" | 1-1/4" | 12.0 | - | - | - | L6958921153 |
| | | 1-1/4" | 1-1/4" | | | | - | L6959921153 |

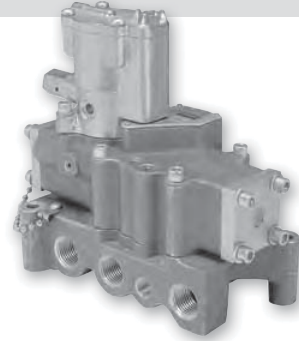
† Manifolds include mounting hardware, except for port adapters.

Modulflex Series
Isys Micro Series
Isys ISO Series
Fieldbus
DX ISOMAX Series
Valvair II Series
D
Subbase & Manifold Valve Products

Valvair II Series

Features

- Full air operation for fastest response
- “Plug-In” option simplifies maintenance and installation
Reduces downtime. No wiring or plumbing to disturb
- “Direct pipe” design for economy and performance
- Variety of operators available; direct conduit, (JIC) junction box, NEMA 4, hazardous duty, (UL, CSA), and remote air pilot
- Field convertible to external pilot supply for vacuum or other services
- Synthetic rubber o-ring seals are specially compounded for minimum compression and friction for superior wear and abrasion resistance
- Precision ground spool “floats” on o-ring seals. Closed center cross-over design saves air
- General Purpose Approvals
 - CSA - Canadian Standards Association
File number 42024
- Hazardous Duty Approvals
 - UL - Underwriters Laboratories, Inc.
File number E42542 Category Y107
 - CSA - Canadian Standards Association
File number 24349



Modulflex Series

Isys Micro Series

Isys ISO Series

Fieldbus

DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products

Material specifications

| | | |
|--------------------------------|--|-------------------------|
| Manifolds & subbases | Aluminum alloy | |
| Other seals | Nitrile | |
| Resilient seals: in valve body | | |
| Dynamic | Polyurethane base on 3/8" basic valves* | |
| Static / dynamic | Nitrile base w / 12% Molybdenum Disulphide on 1/4" & 1/2" basic valves | |
| Shock pads | Polyurethane | |
| Solenoid bodies | Plated zinc alloy | |
| Internal components | Corrosion resistant steel | |
| Resilient seals | Standard service | Nitrile |
| | Special service (continuous duty) | Fluorocarbon & Silicone |
| Other seals | Nitrile | |
| Coil | Class “B” epoxy encapsulated (Class “H” also available on some models, consult supplier) | |
| Valve bodies | Aluminum alloy | |
| Valve spacers | Brass | |
| Valve spool | Aluminum alloy with special coating on 3/8" basic valves*. | |
| | Hard chrome plated AISI type 416 stainless steel on 1/4" & 1/2" basic valves. | |

* These materials are specially designed for valves used on non-lubricated service

Operating information

Pressure range for solenoid operated valves

| Media | Internal pilot supply | | | External pilot supply | | |
|--------|-----------------------|------|------|-----------------------|-----------------------------|--------------------|
| | 1/4" | 3/8" | 1/2" | 1/4" | 3/8" | 1/2" 1" |
| Air | 35-140* PSIG | | | N.A. | Main 0-250 PSIG | Pilot 35-140* PSIG |
| Vacuum | do not use | | | N.A. | Main within 1 Hg of perfect | Pilot 35-140* PSIG |
| Other | Consult supplier | | | | | |

* 200 PSIG solenoid is optional (consult supplier).

Pressure range for remote pilot operated valves

| Media | | Valve type | |
|--------|------------------|-------------|-------------------------|
| | | Single | Double & 3-position |
| Air | Main | 35-250 PSIG | 0-250 PSIG |
| | Pilot | 35-200 PSIG | 35-200 PSIG |
| Vacuum | Main | Do not use | Within 1" Hg of perfect |
| | Pilot | Do not use | 35-200 PSIG |
| Other | Consult supplier | | |

Ambient temperature – standard service solenoid operator

| Minimum | Maximum | |
|---------|-------------------|-----------------|
| | Intermittent duty | Continuous duty |
| 0°F | 125°F | 100°F |

Special service (continuous duty) solenoid operator

| | | |
|-----|-------|-------|
| 0°F | 125°F | 125°F |
|-----|-------|-------|

Ambient temperature – remote pilot operated valves

| | |
|-----|-------|
| 0°F | 200°F |
|-----|-------|

As the above chart indicates, Standard Duty Solenoids may be used on continuous duty but ambient temperature is de-rated.



In some cases, Special Service Solenoids may be rated for higher ambient temperatures (consult supplier).





Caution:


If it is possible that the ambient temperature may fall below freezing, the medium must be moisture free to prevent internal damage and unpredictable behavior.


4-way, 5-port, 2-position, Plug-in

| L675 (3/8" basic valve) Single solenoid | L655 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|---------------|-----------------------|-------------------------|--------------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | L6753910253 | L6553910253 |
| | | 4.8 | 1/2" | K022091 | K142231 | 110V 50Hz | | |
| | | 4.8 | 3/4" | K022101 | K142270 | 24VDC | L6753310249 | L6553310249 |





| L675 (1" basic valve) Single solenoid | L655 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|---------------|--------------------|-------------------------|--------------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 11.3 | 1" | K022095 | | 120V 60Hz | L6758910253 | L6558910253 |
| | | | | | | 110V 50Hz | | |
| | | | | | | 24VDC | L6758310249 | L6558310249 |





4-way, 5-port, 3-position, Plug-in

| L665 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold † (end & bottom ports) | Voltage | Valve only | |
|---|---------------|--------------------|-------------------------|------------------------------------|-----------|-----------------|--------------------|
| | | | | | | Double solenoid | |
|  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | | L6653921153 |
| | | 1/2" | K022091 | K142231 | 110V 50Hz | | |
| | | 3/4" | K022101 | K142270 | 24VDC | | L6653321149 |





| L665 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold (end & bottom ports) | Voltage | Valve only | |
|---|---------------|--------------------|-------------------------|----------------------------------|-----------|--------------------|--------------------|
| | | | | | | Double solenoid | |
|  | 11.3 | 1" | K022095 | - | 120V 60Hz | | L6658921153 |
| | | | | | 110V 50Hz | | |
| | | | | | 24VDC | L6658321149 | |

4-way, 5-port, 2-position, Direct Pipe Ported

| L705 (3/8" basic valve) single solenoid | L685 (3/8" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|-----------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 3/8" | 1/2" | 4.8 | 120V 60Hz | Junction box | L7053910253 | L6853910253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054910253 | L6854910253 |
|  |  | 3/8" | 1/2" | 4.8 | 24VDC | Junction box | L7053610249 | L6853610249 |
| | | 1/2" | 1/2" | | | | L7054610249 | L6854610249 |
| | | 3/8" | 1/2" | 4.8 | 120V 60Hz | Basic | L7053310253 | L6853310253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054310253 | L6854310253 |

| L705 (1" basic valve) single solenoid | L685 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|-----------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 1" | 1-1/4" | 12.0 | 120V 60Hz | Junction box | L7058910253 | L6858910253 |
| | | 1-1/4" | 1-1/4" | | 110V 50Hz | | L7059910253 | L6859910253 |
|  |  | 1" | 1-1/4" | 12.0 | 24VDC | Junction box | L7058610249 | L6858610249 |
| | | 1-1/4" | 1-1/4" | | | | L7059610249 | L6859610249 |

4-way, 5-port, 3-position, Direct Pipe Ported

| L695 (3/8" basic valve) double solenoid | L695 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|-----------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | 3/8" basic size | 1" basic size |
|  |  | 3/8" | 1/2" | 4.5 | 120V 60Hz | Junction box | L6953921153 | - |
| | | 1/2" | 1/2" | | 110V 50Hz | | L6954921153 | - |
|  |  | 1" | 1-1/4" | 12.0 | | | - | L6958921153 |
| | | 1-1/4" | 1-1/4" | | | | - | L6959921153 |

† Manifolds include mounting hardware, except for port adapters.

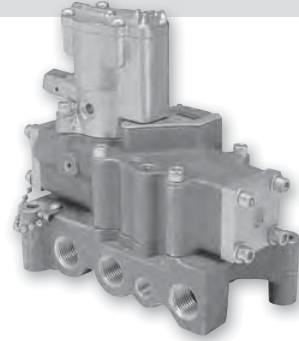
Modulflex Series
Isys Micro Series
Isys ISO Series
Fieldbus
DX ISOMAX Series
Valvair II Series
D
Subbase & Manifold Valve Products



Valvair II Series

Features

- Full air operation for fastest response
- “Plug-In” option simplifies maintenance and installation
Reduces downtime. No wiring or plumbing to disturb
- “Direct pipe” design for economy and performance
- Variety of operators available; direct conduit, (JIC) junction box, NEMA 4, hazardous duty, (UL, CSA), and remote air pilot
- Field convertible to external pilot supply for vacuum or other services
- Synthetic rubber o-ring seals are specially compounded for minimum compression and friction for superior wear and abrasion resistance
- Precision ground spool “floats” on o-ring seals. Closed center cross-over design saves air
- General Purpose Approvals
 - CSA - Canadian Standards Association
File number 42024
- Hazardous Duty Approvals
 - UL - Underwriters Laboratories, Inc.
File number E42542 Category Y107
 - CSA - Canadian Standards Association
File number 24349



Modulflex Series

Isys Micro Series

Isys ISO Series

Fieldbus

DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products

Material specifications

| | | |
|--------------------------------|--|-------------------------|
| Manifolds & subbases | Aluminum alloy | |
| Other seals | Nitrile | |
| Resilient seals: in valve body | | |
| Dynamic | Polyurethane base on 3/8" basic valves* | |
| Static / dynamic | Nitrile base w / 12% Molybdenum Disulphide on 1/4" & 1/2" basic valves | |
| Shock pads | Polyurethane | |
| Solenoid bodies | Plated zinc alloy | |
| Internal components | Corrosion resistant steel | |
| Resilient seals | Standard service | Nitrile |
| | Special service (continuous duty) | Fluorocarbon & Silicone |
| Other seals | Nitrile | |
| Coil | Class “B” epoxy encapsulated (Class “H” also available on some models, consult supplier) | |
| Valve bodies | Aluminum alloy | |
| Valve spacers | Brass | |
| Valve spool | Aluminum alloy with special coating on 3/8" basic valves*. | |
| | Hard chrome plated AISI type 416 stainless steel on 1/4" & 1/2" basic valves. | |

* These materials are specially designed for valves used on non-lubricated service

Operating information

Pressure range for solenoid operated valves

| Media | Internal pilot supply | | | External pilot supply | | |
|--------|-----------------------|------|------|-----------------------|-----------------------------|--------------------|
| | 1/4" | 3/8" | 1/2" | 1/4" | 3/8" | 1/2" 1" |
| Air | 35-140* PSIG | | | N.A. | Main 0-250 PSIG | Pilot 35-140* PSIG |
| Vacuum | do not use | | | N.A. | Main within 1 Hg of perfect | Pilot 35-140* PSIG |
| Other | Consult supplier | | | | | |

* 200 PSIG solenoid is optional (consult supplier).

Pressure range for remote pilot operated valves

| Media | | Valve type | |
|--------|------------------|-------------|-------------------------|
| | | Single | Double & 3-position |
| Air | Main | 35-250 PSIG | 0-250 PSIG |
| | Pilot | 35-200 PSIG | 35-200 PSIG |
| Vacuum | Main | Do not use | Within 1" Hg of perfect |
| | Pilot | Do not use | 35-200 PSIG |
| Other | Consult supplier | | |

Ambient temperature – standard service solenoid operator

| Minimum | Maximum | |
|---------|-------------------|-----------------|
| | Intermittent duty | Continuous duty |
| 0°F | 125°F | 100°F |

Special service (continuous duty) solenoid operator

| | | |
|-----|-------|-------|
| 0°F | 125°F | 125°F |
|-----|-------|-------|

Ambient temperature – remote pilot operated valves

| | |
|-----|-------|
| 0°F | 200°F |
|-----|-------|

As the above chart indicates, Standard Duty Solenoids may be used on continuous duty but ambient temperature is de-rated.

In some cases, Special Service Solenoids may be rated for higher ambient temperatures (consult supplier).



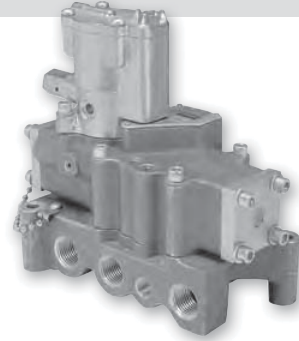
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Valvair II Series

Features

- Full air operation for fastest response
- “Plug-In” option simplifies maintenance and installation
Reduces downtime. No wiring or plumbing to disturb
- “Direct pipe” design for economy and performance
- Variety of operators available; direct conduit, (JIC) junction box, NEMA 4, hazardous duty, (UL, CSA), and remote air pilot
- Field convertible to external pilot supply for vacuum or other services
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File number 42024
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File number E42542 Category Y107
 - CSA - Canadian Standards Association
File number 24349



Modulflex Series

Isys Micro Series

Isys ISO Series

Fieldbus

DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products

Material specifications

| | | |
|--------------------------------|--|-------------------------|
| Manifolds & subbases | Aluminum alloy | |
| Other seals | Nitrile | |
| Resilient seals: in valve body | | |
| Dynamic | Polyurethane base on 3/8" basic valves* | |
| Static / dynamic | Nitrile base w / 12% Molybdenum Disulphide on 1/4" & 1/2" basic valves | |
| Shock pads | Polyurethane | |
| Solenoid bodies | Plated zinc alloy | |
| Internal components | Corrosion resistant steel | |
| Resilient seals | Standard service | Nitrile |
| | Special service (continuous duty) | Fluorocarbon & Silicone |
| Other seals | Nitrile | |
| Coil | Class “B” epoxy encapsulated (Class “H” also available on some models, consult supplier) | |
| Valve bodies | Aluminum alloy | |
| Valve spacers | Brass | |
| Valve spool | Aluminum alloy with special coating on 3/8" basic valves*. | |
| | Hard chrome plated AISI type 416 stainless steel on 1/4" & 1/2" basic valves. | |

* These materials are specially designed for valves used on non-lubricated service

Operating information

Pressure range for solenoid operated valves

| Media | Internal pilot supply | | | External pilot supply | | |
|--------|-----------------------|------|------|-----------------------|---|---------|
| | 1/4" | 3/8" | 1/2" | 1/4" | 3/8" | 1/2" 1" |
| Air | 35-140* PSIG | | | N.A. | Main 0-250 PSIG Pilot 35-140* PSIG | |
| Vacuum | do not use | | | N.A. | Main within 1 Hg of perfect Pilot 35-140* PSIG | |
| Other | Consult supplier | | | | | |

* 200 PSIG solenoid is optional (consult supplier).

Pressure range for remote pilot operated valves

| Media | | Valve type | |
|--------|------------------|-------------|-------------------------|
| | | Single | Double & 3-position |
| Air | Main | 35-250 PSIG | 0-250 PSIG |
| | Pilot | 35-200 PSIG | 35-200 PSIG |
| Vacuum | Main | Do not use | Within 1" Hg of perfect |
| | Pilot | Do not use | 35-200 PSIG |
| Other | Consult supplier | | |

Ambient temperature – standard service solenoid operator

| Minimum | Maximum | |
|---------|-------------------|-----------------|
| | Intermittent duty | Continuous duty |
| 0°F | 125°F | 100°F |

Special service (continuous duty) solenoid operator

| | | |
|-----|-------|-------|
| 0°F | 125°F | 125°F |
|-----|-------|-------|

Ambient temperature – remote pilot operated valves

| | |
|-----|-------|
| 0°F | 200°F |
|-----|-------|

As the above chart indicates, Standard Duty Solenoids may be used on continuous duty but ambient temperature is de-rated.





In some cases, Special Service Solenoids may be rated for higher ambient temperatures (consult supplier).







Caution:



If it is possible that the ambient temperature may fall below freezing, the medium must be moisture free to prevent internal damage and unpredictable behavior.



4-way, 5-port, 2-position, Plug-in

| L675 (3/8" basic valve) Single solenoid | L655 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|---------------|-----------------------|-------------------------|--------------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | L6753910253 | L6553910253 |
|  |  | 4.8 | 1/2" | K022091 | K142231 | 110V 50Hz | | |
| | | 4.8 | 3/4" | K022101 | K142270 | 24VDC | L6753310249 | L6553310249 |







| L675 (1" basic valve) Single solenoid | L655 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (Side ports) | Manifold† (End & bottom ports) | Voltage | Valve only | |
|---|---|---------------|--------------------|-------------------------|--------------------------------------|-----------|--------------------|--------------------|
| | | | | | | | Single solenoid | Double solenoid |
|  |  | 11.3 | 1" | K022095 | | 120V 60Hz | L6758910253 | L6558910253 |
|  |  | | | | | 110V 50Hz | | |
| | | | | | | 24VDC | L6758310249 | L6558310249 |





4-way, 5-port, 3-position, Plug-in

| L665 (3/8" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold † (end & bottom ports) | Voltage | Valve only | |
|---|---------------|--------------------|-------------------------|------------------------------------|-----------|--------------------|--------------------|
| | | | | | | Double solenoid | |
|  | 4.8 | 3/8" | K022090 | K142230 | 120V 60Hz | | L6653921153 |
|  | | | | | 110V 50Hz | | |
| | | | | | 24VDC | L6653321149 | |





| L665 (1" basic valve) Double solenoid | Nominal Cv | Port size (NPT) | Subbase (side ports) | Manifold (end & bottom ports) | Voltage | Valve only | |
|---|---------------|--------------------|-------------------------|----------------------------------|-----------|--------------------|--------------------|
| | | | | | | Double solenoid | |
|  | 11.3 | 1" | K022095 | - | 120V 60Hz | | L6658921153 |
|  | | | | | 110V 50Hz | | |
| | | | | | 24VDC | L6658321149 | |

4-way, 5-port, 2-position, Direct Pipe Ported

| L705 (3/8" basic valve) single solenoid | L685 (3/8" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|--------------------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 3/8" | 1/2" | 4.8 | 120V 60Hz | Junction box | L7053910253 | L6853910253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054910253 | L6854910253 |
|  |  | 3/8" | 1/2" | 4.8 | 24VDC | Junction box | L7053610249 | L6853610249 |
| | | 1/2" | 1/2" | | L7054610249 | | L6854610249 | |
|  |  | 3/8" | 1/2" | 4.8 | 120V 60Hz | Basic | L7053310253 | L6853310253 |
| | | 1/2" | 1/2" | | 110V 50Hz | | L7054310253 | L6854310253 |

| L705 (1" basic valve) single solenoid | L685 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|--------------------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | Single solenoid | Double solenoid |
|  |  | 1" | 1-1/4" | 12.0 | 120V 60Hz | Junction box | L7058910253 | L6858910253 |
| | | 1-1/4" | 1-1/4" | | 110V 50Hz | | L7059910253 | L6859910253 |
|  |  | 1" | 1-1/4" | 12.0 | 24VDC | Junction box | L7058610249 | L6858610249 |
| | | 1-1/4" | 1-1/4" | | L7059610249 | | L6859610249 | |

4-way, 5-port, 3-position, Direct Pipe Ported

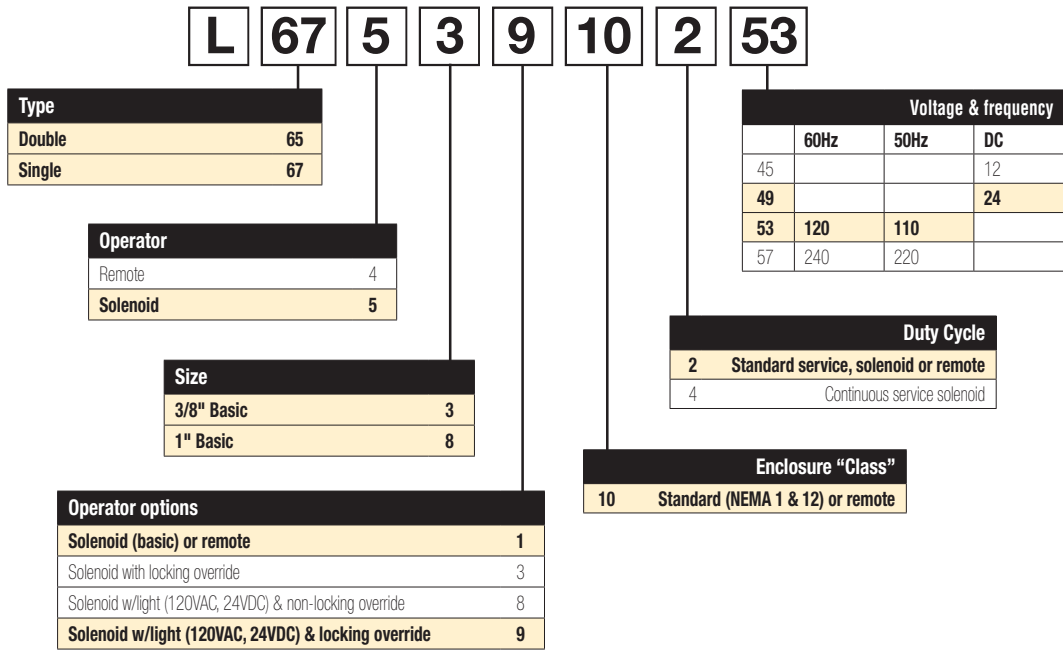
| L695 (3/8" basic valve) double solenoid | L695 (1" basic valve) double solenoid | Port size (NPT) | | Nominal Cv | Voltage | Operator type | Valve | |
|---|---|-----------------|---------|---------------|-----------|------------------|--------------------|--------------------|
| | | P, A & B | EA & EB | | | | 3/8" basic size | 1" basic size |
|  |  | 3/8" | 1/2" | 4.5 | 120V 60Hz | Junction box | L6953921153 | - |
| | | 1/2" | 1/2" | | 110V 50Hz | | L6954921153 | - |
|  |  | 1" | 1-1/4" | 12.0 | - | - | - | L6958921153 |
| | | 1-1/4" | 1-1/4" | | | | - | L6959921153 |

† Manifolds include mounting hardware, except for port adapters.

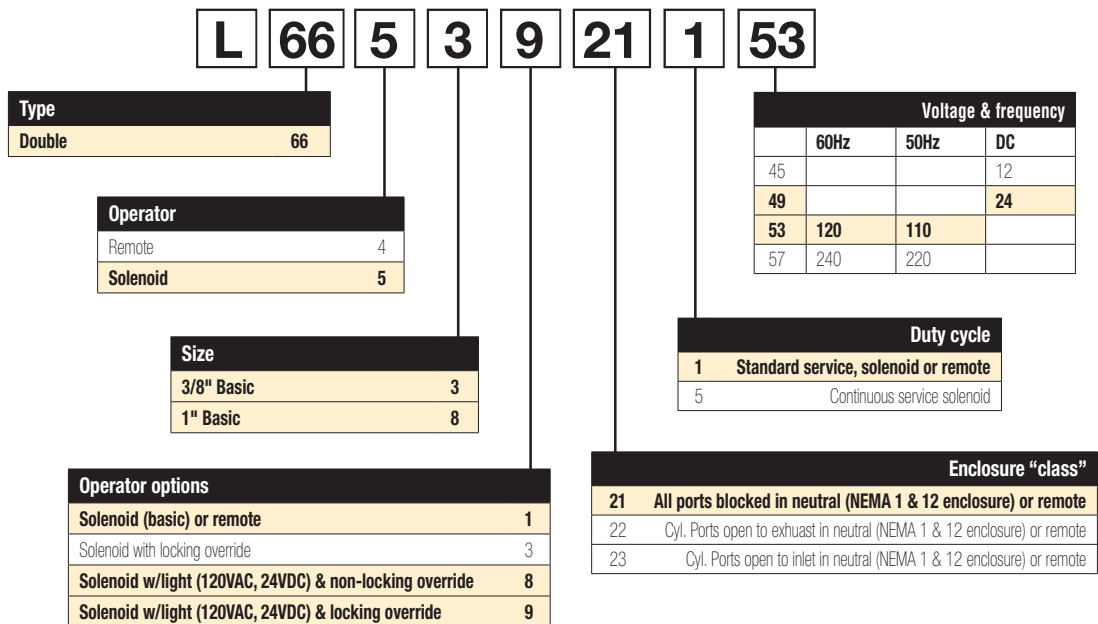
Modulflex Series
Isys Micro Series
Isys ISO Series
Fieldbus
DX ISOMAX Series
Valvair II Series
D
Subbase & Manifold Valve Products

Lubricated Non-Lubricated Service
2-position, Plug-In, 3/8" & 1" Basic Size

Modulflex Series
 Isys Micro Series
 Isys ISO Series
 Fieldbus
 DX ISOMAX Series
 Valvair II Series
D
 Subbase & Manifold Valve Products

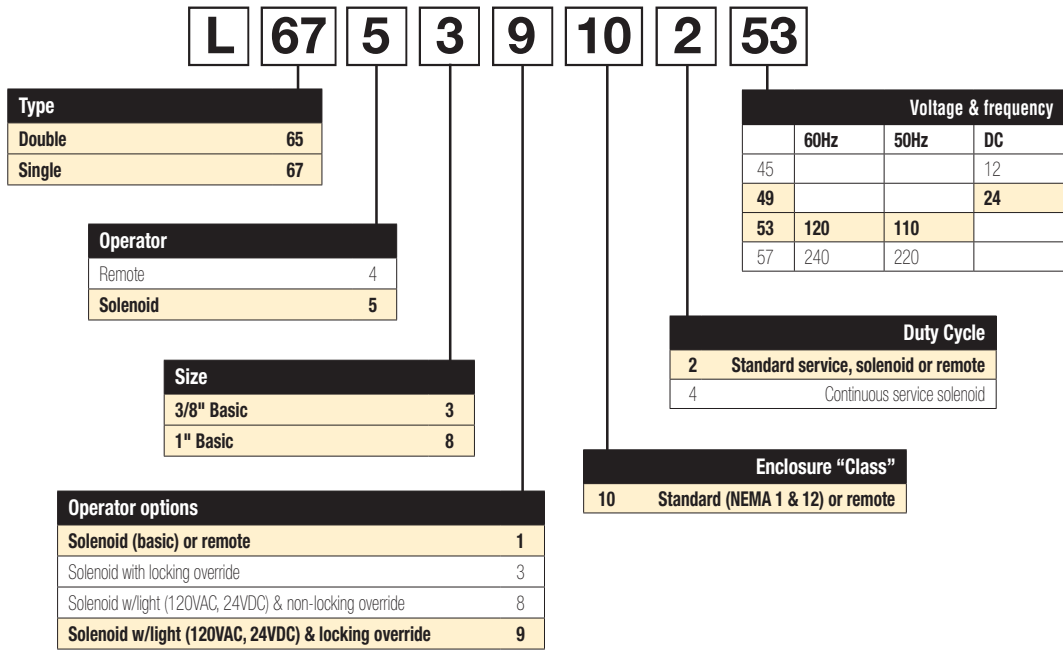


Lubricated or Non-Lubricated Service
3-position, Plug-In, 3/8" & 1" Basic Size

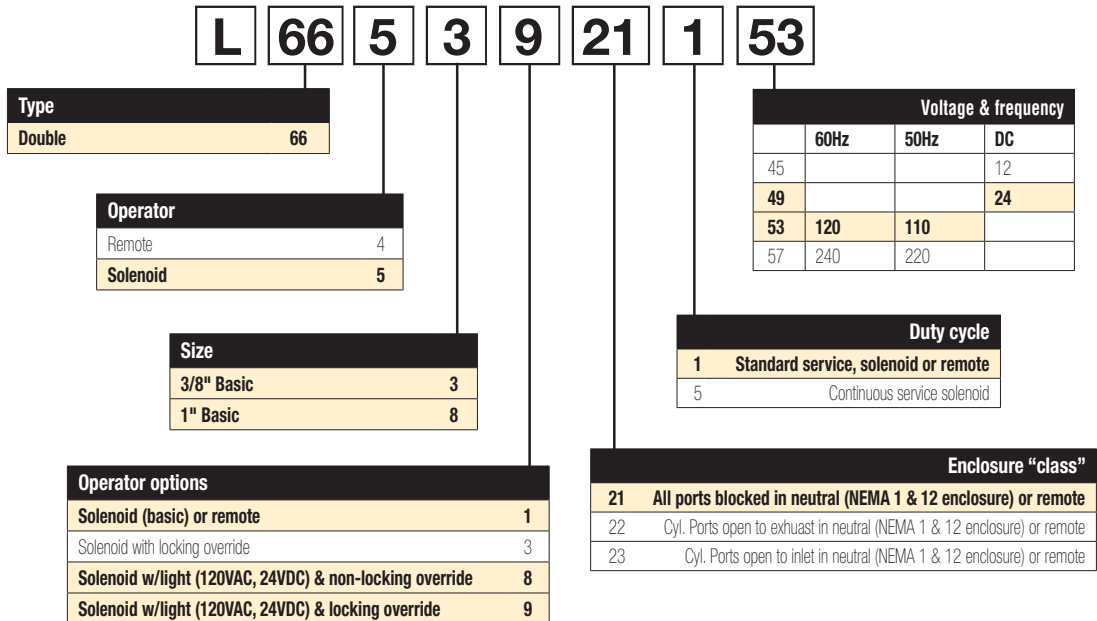


Lubricated Non-Lubricated Service
2-position, Plug-In, 3/8" & 1" Basic Size

- Modulflex Series
- Isys Micro Series
- Isys ISO Series
- Fieldbus
- DX ISOMAX Series
- Valvair II Series
- D** Subbase & Manifold Valve Products



Lubricated or Non-Lubricated Service
3-position, Plug-In, 3/8" & 1" Basic Size



Lubricated or Non-Lubricated Service
2-position, Direct Pipe Ported, 3/8" & 1" Basic Size

L 70 5 3 9 10 2 53 —

| Type | |
|--------|----|
| Double | 68 |
| Single | 70 |

| Operator | |
|----------|---|
| Remote | 4 |
| Solenoid | 5 |

| Size | |
|--|----|
| 3/8" NPT inlet & cylinder 1/2" NPT exhaust | 3 |
| 1/2" NPT inlet, cylinder & exhaust | 4 |
| 1" NPT inlet & cylinder 1-1/4" NPT exhaust | 8 |
| 1-1/4" NPT inlet cylinder & exhaust | 9* |

* Not available operator option 4 - Remote pilot.

| Operator options | |
|---|---|
| Solenoid (basic) or remote | 1 |
| Solenoid with locking override | 3 |
| Solenoid w/ junction box & locking override | 6 |
| Solenoid w/ junction box & light (120VAC, 24VDC) & non-locking override | 8 |
| Solenoid w/ junction box & light (120VAC, 24VDC) & locking override | 9 |

| Lead length | |
|-------------|----------------|
| Blank | 19" (Standard) |

| Voltage & frequency | | | |
|---------------------|------|------|----|
| | 60Hz | 50Hz | DC |
| 45 | | | 12 |
| 49 | | | 24 |
| 53 | 120 | 110 | |
| 57 | 240 | 220 | |

| Duty cycle | |
|------------|--------------------------------------|
| 2 | Standard service, solenoid or remote |
| 4 | Continuous service solenoid |

| Enclosure "Class" | |
|-------------------|----------------------------------|
| 10 | Standard (NEMA 1 & 12) or remote |
| 60*† | Hazardous duty (NEMA 7 & 9) |
| 80† | NEMA 4 |

* Voltage 49 / 53 only.
 † Use with operator options 1, 2 & 3 only, voltage 53 only.

| |
|-----------------------------------|
| Modulflex Series |
| Isys Micro Series |
| Isys ISO Series |
| Fieldbus |
| DX ISOMAX Series |
| Valvair II Series |
| D |
| Subbase & Manifold Valve Products |

Lubricated or Non-Lubricated Service
3-position, Direct Pipe Ported, 3/8" & 1" Basic Size

L 69 5 3 9 21 1 53 —

| Type | |
|--------|----|
| Double | 69 |

| Operator | |
|----------|---|
| Remote | 4 |
| Solenoid | 5 |

| Size | |
|--|----|
| 3/8" NPT inlet & cylinder 1/2" NPT exhaust | 3 |
| 1/2" NPT inlet, cylinder & exhaust | 4 |
| 1" NPT inlet & cylinder 1-1/4" NPT exhaust | 8 |
| 1-1/4" NPT inlet cylinder & exhaust | 9* |

* Not available operator option 4 - Remote pilot.

| Operator options | |
|---|---|
| Solenoid (basic) or remote | 1 |
| Solenoid with locking override | 3 |
| Solenoid w/ junction box & locking override | 6 |
| Solenoid w/ junction box & light (120VAC, 24VDC) & non-locking override | 8 |
| Solenoid w/ junction box & light (120VAC, 24VDC) & locking override | 9 |

| Lead length | |
|-------------|----------------|
| Blank | 19" (Standard) |


| Voltage & frequency | | | |
|---------------------|------|------|----|
| | 60Hz | 50Hz | DC |
| 45 | | | 12 |
| 49 | | | 24 |
| 53 | 120 | 110 | |
| 57 | 240 | 220 | |

| Duty cycle | |
|------------|--------------------------------------|
| 1 | Standard service, solenoid or remote |
| 5 | Continuous service solenoid |

| Enclosure "Class" | |
|---|----------------------------------|
| All ports blocked in neutral | |
| 21 | Standard (NEMA 1 & 12) or remote |
| 71*† | Hazardous duty (NEMA 7 & 9) |
| 91† | NEMA 4 |
| Cylinder ports open to exhaust in neutral | |
| 22 | Standard (NEMA 1 & 12) or remote |
| 72*† | Hazardous duty (NEMA 7 & 9) |
| 92† | NEMA 4 |
| Cylinder ports open to inlet in neutral | |
| 23 | Standard (NEMA 1 & 12) or remote |
| 73*† | Hazardous duty (NEMA 7 & 9) |
| 93† | NEMA 4 |


* Voltage 49 / 53 only.
 † Use with operator options 1, 2 & 3 only, voltage 53 only.


Plug-in Pilot

| | Description | Standard service | | Special service | |
|---|-----------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | Locking | Non-locking | Locking | Non-locking |
|  | Override type | Locking | Non-locking | Locking | Non-locking |
| | With override (120VAC) | K175903553 | K175803553 | K185902553 | K185802553 |
| | With override (Other than 120VAC) | K1753035** | — | K1853025** | — |

** Voltage code - (reference model index for availability)


NEMA 1 & 12

| | Description | Standard service | | Special service | |
|---|----------------------|-------------------|-------------|-------------------|-------------|
| | | Locking | Non-locking | Locking | Non-locking |
|  | Override type | Locking | Non-locking | Locking | Non-locking |
| | Basic with override | K0653035** | — | K0853025** | — |

| | | | | | |
|---|---|-------------------|-------------------|-------------------|-------------------|
|  | JIC with junction box & override | K0656035** | K0655035** | K0856025** | K0855025** |
| | JIC pilot with junction box & override & indicator lights (120VAC Only) | K0659035** | K0658035** | K0859025** | K0858025** |

** Voltage code - (reference model index for availability)

NEMA 4, 7 & 9

| | Description | Standard service | | Special service | |
|--|---------------------------------|--------------------|--------------------|--------------------|--------------------|
| | | Locking | Non-locking | Locking | Non-locking |
|  | Hazardous duty pilot - UL & CSA | K0251035**† | — | K0451025**† | — |
| | NEMA 4 pilot | K2351035**† | — | — | — |
| | Override type | Locking | Non-locking | Locking | Non-locking |
| | Hazardous duty with override | K0253035**† | K0252035**† | K0453025**† | K0452025**† |
| | NEMA 4 with override | — | K2353035**† | K2352035**† | — |

† 49 / 53 only ** Voltage code - (reference model index for availability)

Service Kits

| Basic valve | Solenoid operated * | | | | | | Remote pilot operated | |
|-------------|---------------------|-----------------|--------------------------------------|----------------|--------------------------------------|----------------|-----------------------|-----------------------|
| | Size | Series (prefix) | Standard service (intermittent duty) | | Special service ** (continuous duty) | | Single | Double 2 & 3-position |
| 3/8" | L65 | — | K352126 | — | K352127 | — | K352355 | — |
| | L66 | — | K352126 | — | K352127 | — | K352355 | — |
| | L67 | K352124 | — | K352125 | — | K352362 | — | — |
| | L68 | — | K352126 | — | K352127 | — | K352355 | — |
| | L69 | — | K352126 | — | K352127 | — | K352355 | — |
| | L70 | K352124 | — | K352125 | — | K352362 | — | — |
| | L65 | — | K352130 | — | K352131 | — | K352360 | — |
| | L66 | — | K352130 | — | K352131 | — | K352360 | — |
| | L67 | K352128 | — | K352129 | — | K352359 | — | — |
| | L68 | — | K352130 | — | K352131 | — | K352360 | — |
| 1" | L69 | — | K352130 | — | K352131 | — | K352360 | — |
| | L70 | K352128 | — | K352129 | — | K352359 | — | — |

Notes:

* Kits for solenoid operated valves include solenoid service kits.
 ** Special service (continuous duty) solenoids may be identified as having gold colored solenoid tops.

Modulflex Series
 Isys Micro Series
 Isys ISO Series
 Fieldbus
 DX ISOMAX Series
 Valvair II Series
D
 Subbase & Manifold Valve Products



Modular Pneumatic Controls, Plug-In Sandwich Block Design for Modular Port Regulation

These modular regulators assemble to any 3/8" basic valve interface pattern.

Common Port Regulator

| Pressure Adjustment | Pressure Range PSIG | Part number | |
|---------------------|---------------------|--------------|--------------|
| | | Assembly "A" | Assembly "B" |
| Manual | 1 - 60 | L55402308C | L55408302C |
| | 2 - 125 | L55403308C | L55408303C |
| Remote | 0 - 140 | L55411308C | L55408311C |

* Assembly "A" places the regulator on the end opposite the electrical junction box. Assembly "B" places the regulator over the electrical junction box.

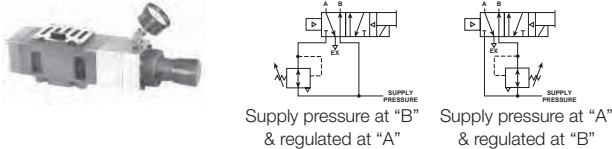


Regulated pressure at both "A" & "B"

Single Port Regulator

| Pressure adjustment | Pressure range PSIG | Part number | |
|---------------------|---------------------|---------------|---------------|
| | | Cyl. port "A" | Cyl. port "B" |
| Manual | 1 - 60 | L55405307C | L55407305C |
| | 2 - 125 | L55406307C | L55407306C |
| Remote | 0 - 140 | L55414307C | L55407314C |

* Assembly "A" places the regulator on the end opposite the electrical junction box. Assembly "B" places the regulator over the electrical junction box. Convert valve to external pilot.

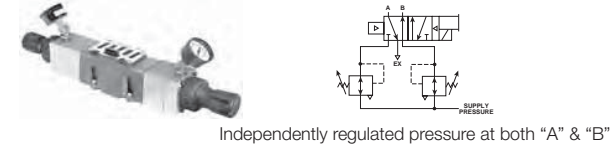


Supply pressure at "B" & regulated at "A" Supply pressure at "A" & regulated at "B"

Independent Port Regulator

| Pressure adjustment | Cylinder port "A" PSIG | Part number | |
|---------------------|------------------------|-------------------|-------------------------|
| | | Cylinder port "B" | |
| Manual | 1 - 60 | L55405305C | — |
| Remote | 0 - 140 | — | L55414314C [†] |

[†] Remote operator units 0-140 PSIG. Convert valve to external pilot.



Independently regulated pressure at both "A" & "B"

Blank Station Covers

| Manifold assembly | | Blank cover kit |
|-------------------|------------------|-----------------|
| K142230 | 3/8" Basic valve | |
| K142231 | 3/8" Basic valve | K06020003 |
| K142270 | 3/8" Basic valve | |

Flush Type Hex Drive Pipe Plugs for Port Isolation

| Size (NPTF) | Part number |
|-------------|-------------|
| 1/8" | K21R02012L |
| 1/4" | K21R02025L |
| 3/8" | K21R02037L |
| 1/2" | K21R02050L |
| 3/4" | K21R02075L |

Interchangeable Manual Override Assemblies for Solenoid Operators



| Non-locking type | Locking type |
|------------------|--------------|
| K162001 | K152003 |

Replacement Solenoid Coil

L□□□ □□ □□□ ** Voltage Code

| Voltage code | Voltage | | | Coil number | |
|--------------|------------------|-------|-----------------|---------------------------------|---------------------|
| | 60 Hz | 50 Hz | DC | Plug-In | Flying lead (19") * |
| 49 | — | — | 24 [†] | K593060 K593274 [‡] | K593014 |
| 53 | 120 [†] | 110 | — | K593071 K593125 [‡] | K593025 |
| 57 | 240 [†] | 220 | — | K593081 | K593035 |

Notes: **Bold Face** type indicated primary coil rating.
[†] Indicates voltages approved for solenoid operators designed for use in hazardous locations.
^{*} 19" Coil lead length is standard. Other lead lengths may be available, consult supplier.
[‡] Assembly includes indicator light socket, less light.

Conversion Kits: Lubricated to Non-Lubricated Operation

| Basic size | Operators (solenoid or remote pilot) | |
|------------|--------------------------------------|---------------------|
| | Single | Double (2-position) |
| 3/8" | K322012 | K322013 |

Electrical Connectors Single or Double Solenoid Valves

| Basic size | Valve body | | Subbase / manifold | |
|------------|-----------------|-----------------|--------------------|-----------|
| | Single solenoid | Double solenoid | 19" leads | 72" leads |
| 3/8" | H02723 | H02722 | H02713 | H02789 |
| 1" | | | | |

Modulflex Series

Isys Micro Series

Isys ISO Series

Fieldbus

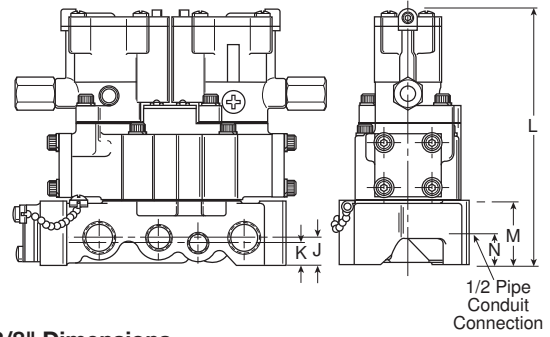
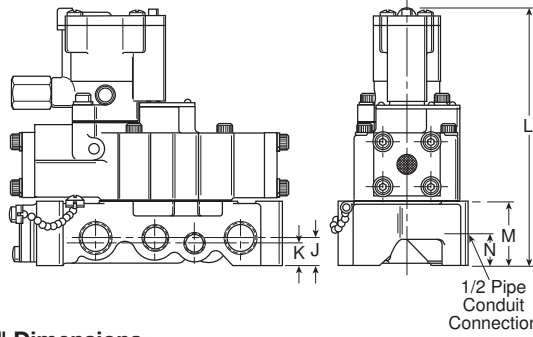
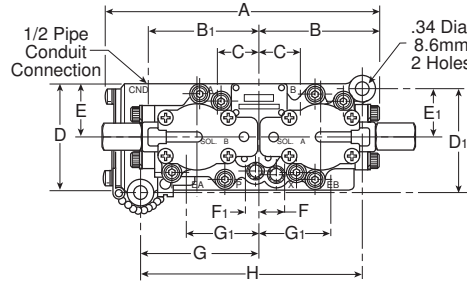
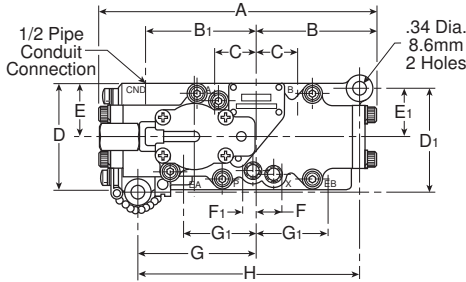
DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products

- Modulflex Series
- Isys Micro Series
- Isys ISO Series
- Fieldbus
- DX ISOMAX Series
- Valvair II Series
- D** Subbase & Manifold Valve Products



L675 3/8" Dimensions

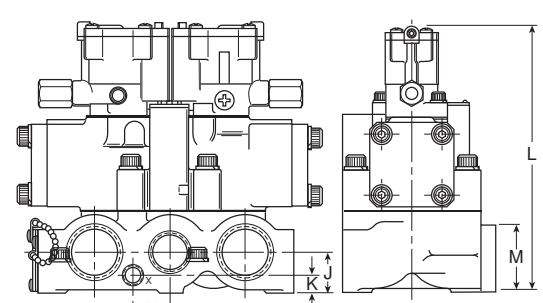
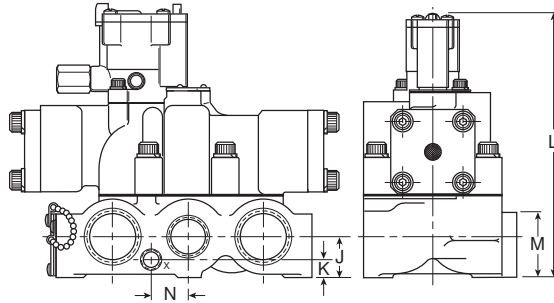
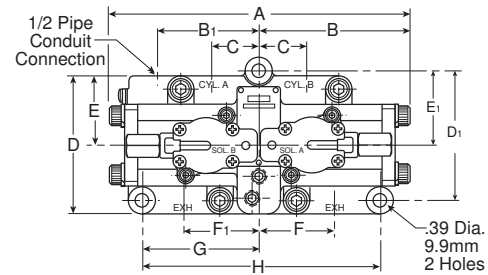
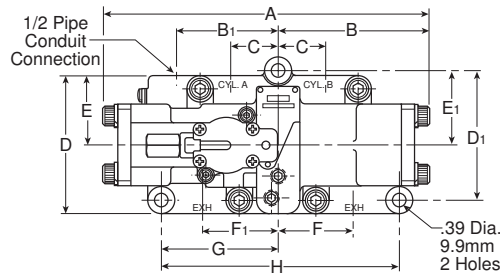
L655 3/8" Dimensions

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| 7.56 (192) | 3.32 (84.3) | 2.94 (74.7) | 1.12 (28.4) | 2.88 (73.2) | 2.84 (72.1) | 1.44 (36.6) | 1.34 (34) | .75 (19.1) |
| F ₁ | G | G ₁ | H | J | K | L | M | N |
| .38 (9.7) | 3.16 (80.3) | 2.00 (50.8) | 6.03 (153.2) | .75 (19.1) | .62 (15.7) | 6.93 (176) | 1.75 (44.5) | 1.00 (25.4) |

Inches (mm)

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| 7.38 (187.5) | 3.32 (84.3) | 2.94 (74.7) | 1.12 (28.4) | 2.88 (73.2) | 2.84 (72.1) | 1.44 (36.6) | 1.34 (34) | .75 (19.1) |
| F ₁ | G | G ₁ | H | J | K | L | M | N |
| .38 (9.7) | 3.16 (80.3) | 2.00 (50.8) | 6.03 (153.2) | .75 (19.1) | .62 (15.7) | 6.93 (176) | 1.75 (44.5) | 1.00 (25.4) |

Inches (mm)



L675 1" Dimensions

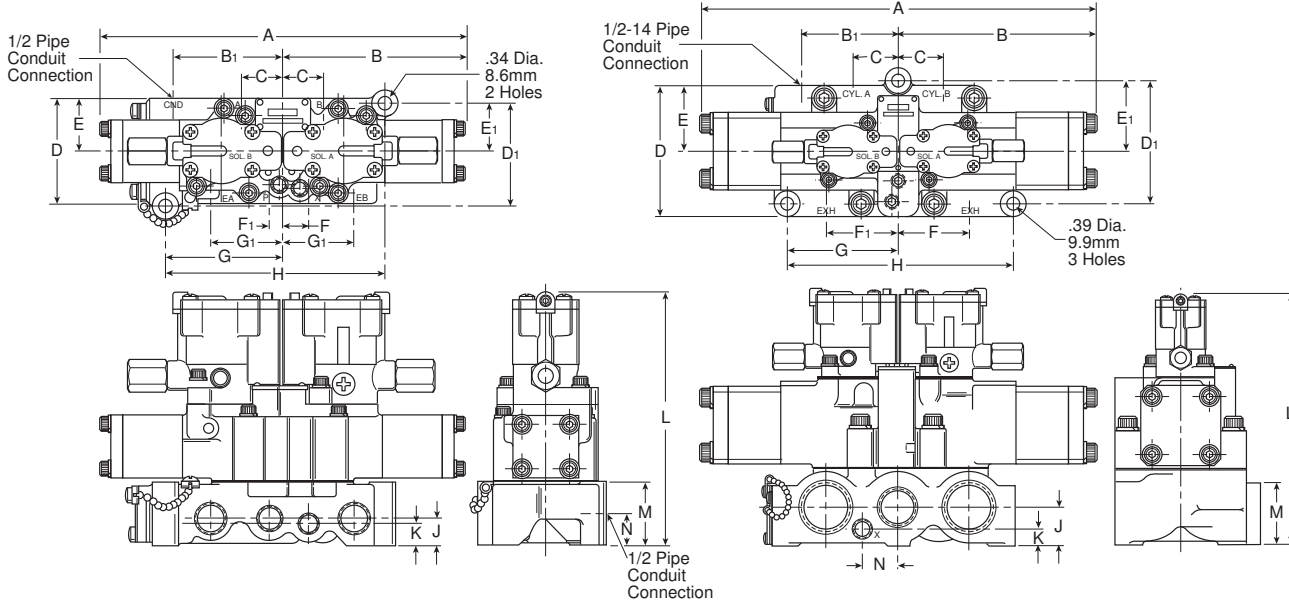
L655 1" Dimensions

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|------------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|
| 10.46 (265.7) | 4.75 (120.6) | 2.94 (74.7) | 3.38 (85.8) | 4.56 (115.8) | 4.28 (108.7) | 2.28 (57.9) | 2.44 (62) | 2.45 (62.2) |
| F ₁ | G | H | J | K | L | M | N | |
| 2.46 (62.5) | 3.81 (96.8) | 7.62 (193.5) | 1.31 (33.3) | .59 (15) | 8.74 (222) | 2.09 (53.1) | 1.22 (31) | |

Inches (mm)

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|
| 9.50 (241.3) | 4.75 (120.6) | 3.38 (85.8) | 1.53 (38.9) | 4.56 (115.8) | 4.28 (108.7) | 2.28 (57.9) | 2.44 (62) | 2.45 (62.2) |
| F ₁ | G | H | J | K | L | M | N | |
| 2.46 (62.5) | 3.81 (96.8) | 7.62 (193.5) | 1.31 (33.3) | .59 (15) | 8.74 (222) | 2.09 (53.1) | 1.22 (31) | |

Inches (mm)



L665 3/8" Dimensions

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|---------|---------|----------------|--------|--------|----------------|--------|----------------|--------|
| 9.64 | 4.82 | 2.94 | 1.12 | 2.88 | 2.84 | 1.44 | 1.34 | .75 |
| (244.8) | (122.4) | (74.7) | (28.4) | (73.2) | (72.1) | (36.6) | (34) | (19.1) |

| F ₁ | G | G ₁ | H | J | K | L | M |
|----------------|--------|----------------|---------|--------|--------|------|--------|
| .38 | 3.16 | 2.00 | 6.03 | .75 | .62 | 6.93 | 1.00 |
| (9.7) | (80.3) | (50.8) | (153.2) | (19.1) | (15.7) | 176 | (25.4) |

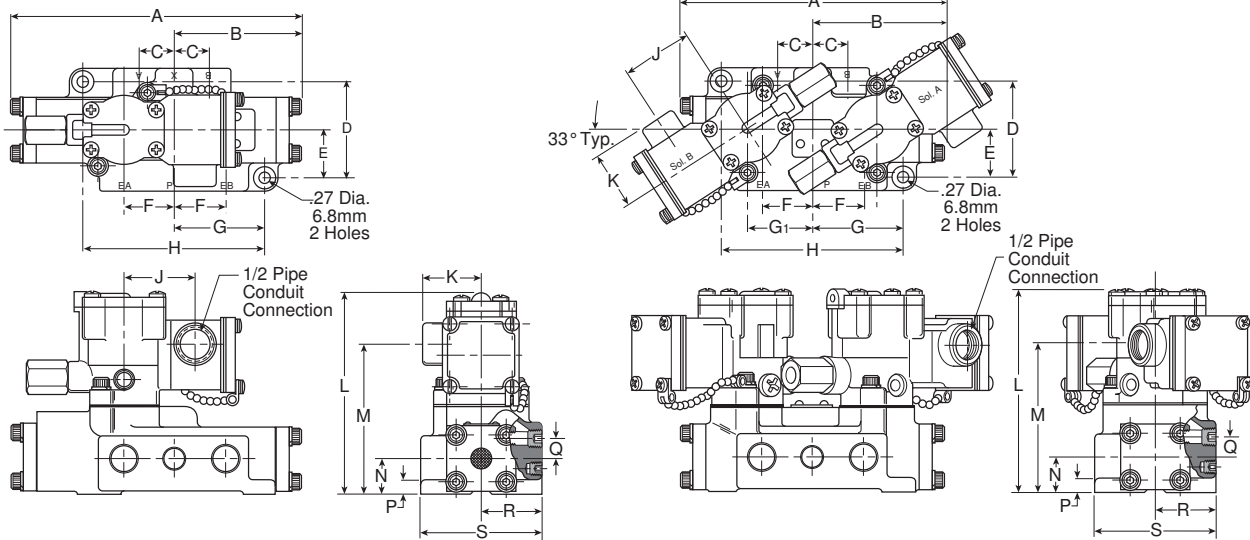
Inches (mm)

L665 1" Dimensions

| A | B | B ₁ | C | D | D ₁ | E | E ₁ | F |
|---------|-------|----------------|--------|---------|----------------|--------|----------------|--------|
| 13.62 | 6.81 | 3.38 | 1.53 | 4.56 | 4.28 | 2.28 | 2.44 | 2.45 |
| (345.9) | (173) | (85.8) | (38.9) | (115.8) | (108.7) | (57.9) | (62) | (62.2) |

| F ₁ | G | H | J | K | L | M | N |
|----------------|--------|---------|--------|------|-------|--------|------|
| 2.46 | 3.81 | 7.62 | 1.31 | .59 | 8.74 | 2.09 | 1.22 |
| (62.5) | (96.8) | (193.5) | (33.3) | (15) | (222) | (53.1) | (31) |

Inches (mm)



L705 3/8" Dimensions

| A | B | C | D | E | F | G | H | J |
|-------|--------|--------|------|--------|--------|--------|---------|--------|
| 7.56 | 3.32 | .90 | 2.56 | 1.28 | 1.33 | 2.34 | 4.69 | 1.82 |
| (192) | (84.3) | (22.9) | (65) | (32.5) | (33.8) | (59.4) | (119.1) | (46.2) |

| K | L | M | N | P | Q | R | S |
|--------|---------|--------|--------|-------|--------|--------|--------|
| 1.50 | 5.35 | 3.91 | .94 | .38 | .53 | 1.62 | 3.25 |
| (38.1) | (135.9) | (99.3) | (23.9) | (9.7) | (13.5) | (41.1) | (82.6) |

Inches (mm)

L685 3/8" Dimensions

| A | B | C | D | E | F | G | G ₁ | H |
|-------|--------|--------|------|--------|--------|--------|----------------|---------|
| 7.56 | 3.32 | .90 | 2.56 | 1.28 | 1.33 | 2.34 | 1.66 | 4.69 |
| (192) | (84.3) | (22.9) | (65) | (32.5) | (33.8) | (59.4) | (42.4) | (119.1) |

| J | K | L | M | N | P | Q | R | S |
|--------|--------|---------|--------|--------|-------|--------|--------|--------|
| 1.82 | 1.50 | 5.35 | 3.91 | .94 | .38 | .53 | 1.62 | 3.25 |
| (46.2) | (38.1) | (135.9) | (99.3) | (23.9) | (9.7) | (13.5) | (41.1) | (82.6) |

Inches (mm)

Modulflex Series

Isys Micro Series

Isys ISO Series

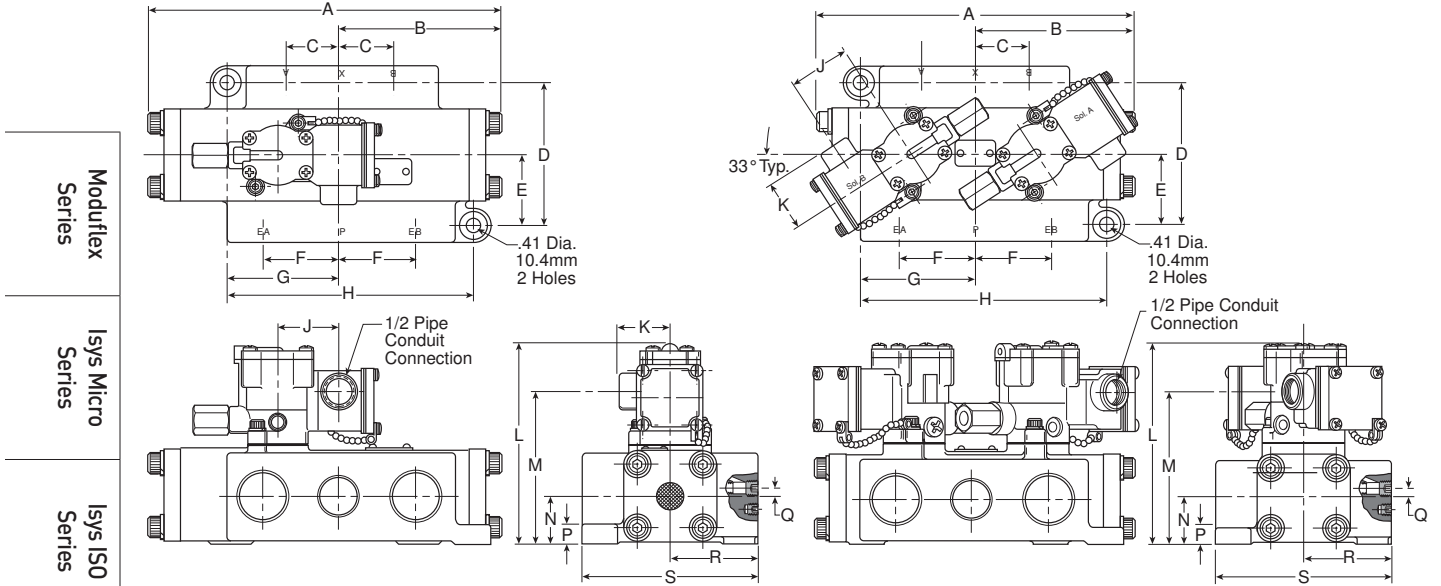
Fieldbus

DX ISOMAX Series

Valvair II Series

D

Subbase & Manifold Valve Products



L705 1" Dimensions

| A | B | C | D | E | F | G | H | J |
|---------|---------|---------|--------|--------|--------|--------|---------|--------|
| 10.46 | 4.75 | 1.62 | 4.25 | 2.12 | 2.19 | 3.44 | 7.44 | 1.82 |
| (265.7) | (120.6) | (41.1) | (108) | (53.8) | (55.6) | (87.4) | (189) | (46.2) |
| K | L | M | N | P | Q | R | S | |
| 1.50 | 6.44 | 4.95 | 1.50 | .69 | .20 | 2.62 | 5.25 | |
| (38.1) | (163.6) | (125.7) | (38.1) | (17.5) | (5.1) | (66.5) | (133.4) | |

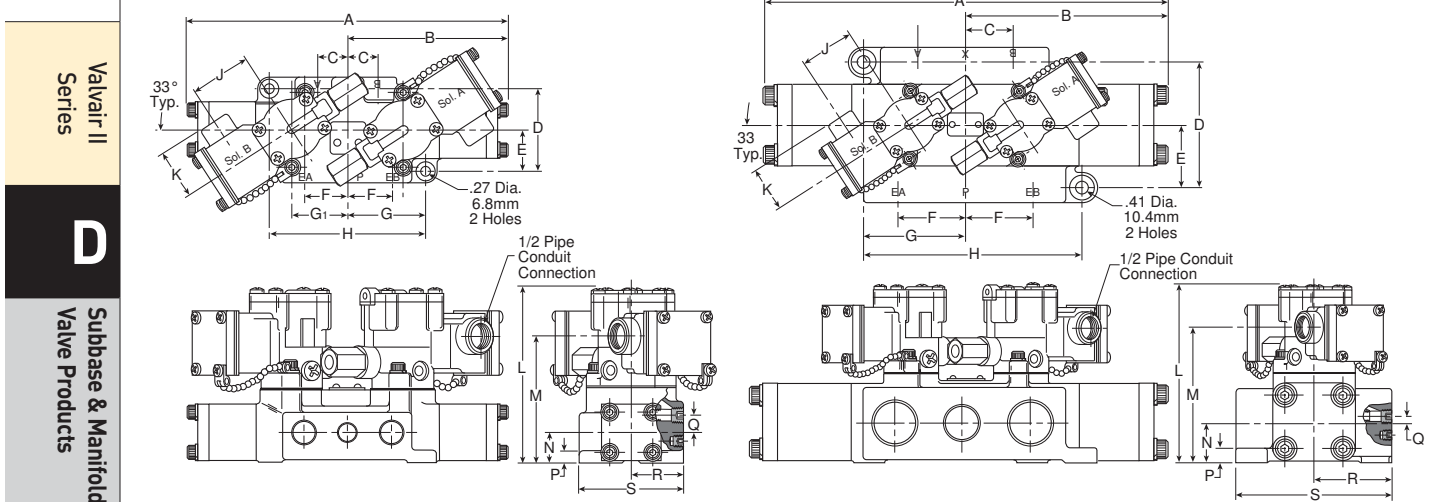
Inches (mm)

L685 1" Dimensions

| A | B | C | D | E | F | G | H | J |
|---------|---------|---------|--------|--------|--------|--------|---------|--------|
| 9.50 | 4.75 | 1.62 | 4.25 | 2.12 | 2.19 | 3.44 | 7.44 | 1.82 |
| (241.3) | (120.6) | (41.1) | (108) | (53.8) | (55.6) | (87.4) | (189) | (46.2) |
| K | L | M | N | P | Q | R | S | |
| 1.50 | 6.44 | 4.95 | 1.50 | .69 | .20 | 2.62 | 5.25 | |
| (38.1) | (163.6) | (125.7) | (38.1) | (17.5) | (5.1) | (66.5) | (133.4) | |

Inches (mm)

Fieldbus
 DX ISOMAX Series



L695 3/8" Dimensions

| A | B | C | D | E | F | G | G1 | H |
|---------|---------|---------|--------|--------|--------|--------|--------|---------|
| 9.64 | 4.82 | .90 | 2.56 | 1.28 | 1.33 | 2.34 | 1.66 | 4.69 |
| (244.8) | (122.4) | (22.9) | (65) | (32.5) | (33.8) | (59.4) | (42.4) | (119.1) |
| J | K | L | M | N | P | Q | R | S |
| 1.82 | 1.50 | 5.35 | 3.91 | .94 | .38 | .53 | 1.62 | 3.25 |
| (46.2) | (38.1) | (135.9) | (99.3) | (23.9) | (9.7) | (13.5) | (41.1) | (82.6) |

Inches (mm)

L695 1" Dimensions

| A | B | C | D | E | F | G | H | J |
|---------|---------|---------|--------|--------|--------|--------|---------|--------|
| 13.63 | 6.81 | 1.62 | 4.25 | 2.12 | 2.19 | 3.44 | 7.44 | 1.82 |
| (346.2) | (173) | (41.1) | (108) | (53.8) | (55.6) | (87.4) | (189) | (46.2) |
| K | L | M | N | P | Q | R | S | |
| 1.50 | 6.44 | 4.95 | 1.50 | .69 | .20 | 2.62 | 5.25 | |
| (38.1) | (163.6) | (125.7) | (38.1) | (17.5) | (5.1) | (66.5) | (133.4) | |

Inches (mm)

Valvair II Series
D
 Subbase & Manifold Valve Products

Plug-in Manifold, 3/8" Basic

- K142230Cylinder ports 3/8" NPTF
- K142231Cylinder ports 1/2" NPTF
- K142270Cylinder ports 3/4" NPTF
- Exhaust port..... 1" NPTF
- Inlet port..... 1" NPTF
- Conduit port..... 1-1/4" NPTF

Note: Manifold assemblies include mounting hardware.

| |
|--------------------------------------|
| Modulflex Series |
| Isys Micro Series |
| Isys ISO Series |
| Fieldbus |
| DX ISOMAX Series |
| Valvair II Series |
| D |
| Subbase & Manifold Valve Products |