New manifold style charging carts... rugged, safe, easy to use

- Modular block manifold
  - Unique block manifold design greatly minimizes potential leak paths.
  - Modular style manifold means a down cart can be back in service quickly.
  - Most cart components (e.g., regulators, valves, tires, hoses) are interchangeable throughout the models... lower spare parts are needed in inventory.
  - Check valve design eliminates excess loss of pressure or media. No backfilling!

- Modular block manifold
  - Unique block manifold design greatly minimizes potential leak paths.
  - Modular style manifold means a down cart can be back in service quickly.
  - Most cart components (e.g., regulators, valves, tires, hoses) are interchangeable throughout the model... fewer spare parts are needed in inventory.
  - Check valve design eliminates excess loss of pressure or media. No backfilling!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O2 supply can be replenished easily without time-consuming bottle removal... saves time & money!
- Control panel is easy to access & read.
- Custom colors, graphics & logos available upon request.

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All carts designed for optimal safety...
  - manifold is constructed of brass & chrome for O2 service
  - manifold soft goods are O2 compatible
  - prominent labels warn of potential safety hazards.
- All pressure systems are designed to meet ASTM G93 & CGA 4.1 cleanliness requirements.
- All instructions and parts lists included.
TESCOM is an experienced provider of high quality regulators, valves, manifolds, custom assemblies and systems for the control of pressure and flow. We can simplify your existing system or create a new one to meet your needs. Whether it's your idea or ours, we can save you time and money.

For over 40 years, TESCOM has built its reputation on providing innovative solutions for a wide array of applications. In addition to our custom experience, we make a broad range of standard pressure regulators, valves and electronic pressure control components.

### Superior design & manufacturing... proven performance

As a long-time supplier to the U.S. government and key contractors, we design and build components conforming to stringent military and international standards. We supply pressure controls and systems to all major industries. Our customers are the recognized leaders in their field. We take pride in our unique in-house machining capabilities and lathe automatic welding equipment. CNC mills and lathes assure the highest accuracy.

A sophisticated computerized production control and scheduling system helps on-time delivery of regulators and valves for rated government orders.

### Our quality system

TESCOM actively employs a comprehensive Quality Assurance program. Our quality systems are in full compliance with ISO 9001. TESCOM’s calibration system is traceable to national standards and meets ISO 10012-1.

All TESCOM pressure control products are cleaned to CGA 4.1 and ASME G3. (Intermediate Level) standards at no additional cost. TESCOM’s facility is approved for cleaning in accordance with MIL-STD-1310. Additional high pressure O2 cleaning can be provided.

### High Pressure - Pressure Reducing

<table>
<thead>
<tr>
<th>High Pressure - Pressure Reducing</th>
<th>Inlet Pressure (Maximun)</th>
<th>Outlet Pressure Range</th>
<th>Flow Capacity</th>
<th>Body Material</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>26-1500 Series</strong></td>
<td>5,100-10,000 PSIG (44.4-88.8 bar)</td>
<td>10-6000 PSIG (72.2-407 bar)</td>
<td>C = 3.3</td>
<td>380 SST</td>
</tr>
<tr>
<td><strong>44-3500 Series</strong></td>
<td>4,500 PSIG (31.1 bar)</td>
<td>0-6000 PSIG (41.0 bar)</td>
<td>C = 3.0</td>
<td>380 SST</td>
</tr>
<tr>
<td><strong>44-4500 Series</strong></td>
<td>4,500 PSIG (31.1 bar)</td>
<td>0-6000 PSIG (41.0 bar)</td>
<td>C = 3.0</td>
<td>380 SST</td>
</tr>
<tr>
<td><strong>44-5500 Series</strong></td>
<td>4,500 PSIG (31.1 bar)</td>
<td>0-6000 PSIG (41.0 bar)</td>
<td>C = 3.0</td>
<td>380 SST</td>
</tr>
</tbody>
</table>

### Custom manifolds & systems... simplify your pressure, flow & measurement applications

TESCOM provides:

- The knowhow to integrate components made by TESCOM and others.
- Direct engineering support.
- An expansive selection of existing pressure and flow components: ranges from vacuum to 30,000 PSIG (2,068 bar).
- A wide array of dome and air-loaded regulators combined with electronic pressure controllers to automate pressure routines.
- The ability to integrate electronics with your system. Custom software tools.
- Materials including 316 stainless steel, brass, Monel and Hastelloy®.

For our complete line of standard regulators, valves & systems, visit us at TESCOM.com.

### Unique applications... custom solutions

Our professional design team is prepared to assist you in every way possible. Custom designed pressure controls and customer service are TESCOM’s forte.

TESCOM design engineers are experts in pneumatic and hydraulic applications as well as electronically actuated pressure control.

Applications of TESCOM controls include oxygen generating plants, laser systems, missiles, naval vessels, diving and life support.

**Stackable Pressure Components**

**Regulator with welded flanges**

**Motorized Cartridge Style Valve**

**Custom Designed O2 Manifold**

**High Pressure Valve Manifold**

---

**TESCOM**

Outlet Pressure Ranges

Inlet Pressure

• Outlet pressure ranges are custom designed O2, Brass, Gas & liquid applications

• High pressure, high flow proven performance

• Welding equipment. CNC mills and lathes machining capabilities and latest automatic welding equipment. CNC mills and lathes assure the highest accuracy.

• We take pride in our unique in-house welding equipment. CNC mills and lathes machining capabilities and latest automatic welding equipment. CNC mills and lathes assure the highest accuracy.

• As a long-time supplier to the U.S. government and key contractors, we design and build components conforming to stringent military and international standards.

• We supply pressure controls and systems to all major industries. Our customers are the recognized leaders in their field.

• We take pride in our unique in-house welding equipment. CNC mills and lathes machining capabilities and latest automatic welding equipment. CNC mills and lathes assure the highest accuracy.

• A sophisticated computerized production control and scheduling system helps on-time delivery of regulators and valves for rated government orders.

• TESCOM actively employs a comprehensive Quality Assurance program. Our quality systems are in full compliance with ISO 9001. TESCOM’s calibration system is traceable to national standards and meets ISO 10012-1.

• All TESCOM pressure control products are cleaned to CGA 4.1 and ASME G3. (Intermediate Level) standards at no additional cost. TESCOM’s facility is approved for cleaning in accordance with MIL-STD-1310. Additional high pressure O2 cleaning can be provided.

---

**Outlet Pressure Ranges**

- **26-1000 Series**
- **44-1300 Series**
- **26-1200 Series**

---

**Our most popular components... many more to choose from**

For more information about our manifold and valve offerings, please visit our website at TESCOM.com.
**Years of experience... innovative solutions**

TESCOM is an experienced provider of high quality regulators, valves, manifolds, custom assemblies and systems for the control of pressure and flow. We can simplify your existing system or create a new one to meet your needs. Whether it's your idea or ours, we can save you time and money.

For over 40 years, TESCOM has built its reputation on providing innovative solutions for a wide array of applications. In addition to our custom experience, we make a broad range of standard pressure regulators, valves and electronic pressure control components.

**Superior design & manufacturing... proven performance**

As a long-time supplier to the U.S. government and key contractors, we design and build components conforming to stringent military and international standards. We supply pressure controls and systems to all major industries. Our customers are the recognized leaders in their field. We take pride in our unique in-house machining capabilities and latest automatic welding equipment. CNC mills and lathes assure the highest accuracy.

A sophisticated computerized production control and scheduling system helps on-time delivery of regulators and valves for rated government orders.

**Our quality system**

TESCOM actively employs a comprehensive Quality Assurance program. Our quality systems are in full compliance with ISO 9001. TESCOM’s calibration system is traceable to national standards and meets ISO 10012-1.

All TESCOM pressure control products are cleaned to CGLA 4.1 and ASTM G83 (Intermediate Level) standards at no additional cost. TESCOM’s facility is approved for cleaning in accordance with MIL-STD-1310. Additional high pressure O2 cleaning can be provided.

**Our most popular components... many more to choose from**

<table>
<thead>
<tr>
<th>High Pressure - Pressure Reducing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>26-5000 Series</strong></td>
</tr>
<tr>
<td>Differential diaphragm type with field changeable characteristics. Includes many combinations including ball seat or diaphragm. Select the model that best suits your application. High pressure models are field changeable.</td>
</tr>
<tr>
<td><strong>44-1500 Series</strong></td>
</tr>
<tr>
<td>High pressure, high flow, low torque pressure sensitive. Valve position is compatible with larger models.</td>
</tr>
<tr>
<td><strong>44-1300 Series</strong></td>
</tr>
<tr>
<td>High pressure, high flow, low torque pressure. Valve position is compatible with larger models.</td>
</tr>
</tbody>
</table>

**High Flow - Pressure Reducing**

| 26-2200 Series |
| Differential diaphragm type with field changeable characteristics. Includes many combinations including ball seat or diaphragm. Select the model that best suits your application. High pressure models are field changeable. |

**Custom manifolds & systems... simplify your pressure, flow & measurement applications**

TESCOM provides:

- The knowhow to integrate components made by TESCOM and others.
- Direct engineering support.
- An expansive selection of existing pressure and flow components ranges from vacuum to 30,000 PSI (2,068 bar).
- A wide array of dome and air-loaded regulators combined with electronic pressure controllers to automate pressure routines.
- The ability to integrate electronics with your system. Custom software too.
- Materials including 316 stainless steel, brass, Monel and Hastelloy®.

For complete lines of standard regulators, valves & systems, visit us at www.TESCOM.com.

**Unique applications... custom solutions**

Our professional design team is prepared to assist you in every way possible. Custom designed pressure controls and customer service are TESCOM’s forte.

TESCOM design engineers are experts in pneumatic and hydraulic applications as well as electronically actuated pressure control. Applications of TESCOM control include oxygen generating plants, laser systems, missiles, naval vessels, diving and life support.

**For our complete line of standard regulators, valves & systems, visit us at www.TESCOM.com.**

**Stackable Pressure Components**

**Motorized Cartridge Style Valve**

**Custom Designed O2 Manifold**

**High Pressure Valve Manifold**
TESCOM is an experienced provider of high quality regulators, valves, manifold kits, custom assemblies and systems for control of pressure and flow. We can simplify your existing system or create a new one to meet your needs. Whether it's your idea or ours, we can save you time and money.

For over 40 years, TESCOM has built its reputation on providing innovative solutions for a wide array of applications. In addition to our custom experience, we make a broad range of standard pressure regulators, valves and electronic pressure control components.

**Outlet Pressure Ranges**
- **Inlet Pressure**
  - Outlet pressure ranges are field changeable
  - Numerical setting options
  - Optional inlet pressures to 20,000 PSIG
  - Large handknob provides fast downstream pressure settings

**Gauge ports available**
- *Gauge ports available*
- *Gauge ports available*

**High Pressure - Pressure Reducing**

### 26-3000 Series
- **Inlet Pressure** (maximum)
  - 5-500, 5-800, 10-1500 PSIG
  - 50-6000, 200-10,000 PSIG

### 44-1300 Series
- **Inlet Pressure** (maximum)
  - 6,000 PSIG

### 44-1500 Series
- **Inlet Pressure** (maximum)
  - 6,000 PSIG
  - 10,000 PSIG

**Flow Capacity**
- *Flow Capacity*
- *Flow Capacity*

**Body Material**
- *Body Material*

**TESCOM**

- **TESCOM**
- **TESCOM**

**Strong design & manufacturing... proven performance**

As a long-time supplier to the U.S. government and key contractors, we design and build components conforming to stringent military and international standards.

We supply pressure controls and systems to all major industries. Our customers are the recognized leaders in their field. We take pride in our unique in-house machining capabilities and laptop automatic welding equipment. CNC mills and lathes assure the highest accuracy.

A sophisticated computerized production control and scheduling system helps on-time delivery of regulators and valves for rated government orders.

**Our quality system**

TESCOM actively employs a comprehensive Quality Assurance program. Our quality systems are in full compliance with ISO 9001. TESCOM's calibration system is traceable to national standards and meets ISO 17025.

All TESCOM pressure control products are cleaned to CGA 4.1 and ASME G13 (Intermediate Level) standards at no additional cost. TESCOM’s facility is approved for cleaning in accordance with MIL-STD-1310. Additional high pressure O2 cleaning can be provided.

**Unique applications...custom solutions**

Our professional design team is prepared to assist you in every way possible. Custom designed pressure controls and customer service are TESCOM’s forte.

TESCOM design engineers are experts in pneumatic and hydraulic applications as well as electronically actuated pressure control.

Applications of TESCOM control include oxygen generating plants, laser systems, mass, naval vessels, diving and life support.

**For our complete line of standard regulators, valves & systems, visit us at www.TESCOM.com.**

**Custom manifolds & systems... simplify your pressure, flow & measurement applications**

TESCOM provides:

- The know-how to integrate components made by TESCOM and others.
- Direct engineering support.
- An expansive selection of existing pressure and flow components ranging from vacuum to 30,000 PSIG (2,068 bar).
- A wide array of dome and air-loaded regulators combined with electronic pressure controllers to automate pressure routines.
- The ability to integrate electronics with your system. Custom software too.
- Materials including 316 stainless steel, Invar, Monel and Hastelloy®.
New manifold style charging carts... rugged, safe, easy to use

Modular block manifold
- Unique block manifold design greatly minimizes potential leak paths.
- Modular style manifold means a down cart can be back in service quickly.
- Most cart components (e.g., regulators, valves, tires, hoses) are interchangeable throughout the models... fewer spare parts are needed in inventory.
- Check valve design eliminates excess loss of pressure or media. No backfilling!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O2 supply can be replenished easily without time-consuming bottle removal... saves time & money!
- Control panel is easy to access & read.
- Custom colors, graphics & logos available upon request.

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Safety is built in
- Design pressure systems independently tested and verified by Weldsell Hall & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All carts designed for optimal safety... manifold is constructed of brass & cleaned for O2 service.
- Manifold soft goods are O2 compatible.
- Prominent labels warn of potential safety hazards.
- All pressure systems are designed to meet ASTM G93 & CGA 4.1 cleanliness requirements.
- All instructions and parts lists included.

Auto Cascade System
- automatic operation & priority (ái)

We are your global partner in precision pressure control.
New manifold style charging carts... rugged, safe, easy to use

Modular block manifold
- Unique block manifold design greatly reduces potential leak paths.
- Modular style manifold means a down cart can be back in service quickly.
- Most cart components (e.g., regulators, valves, tires, hoses) are interchangeable throughout the models... fewer spare parts are needed in inventory.
- Check valve design eliminates excess loss of pressure or media. No backfilling!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All components designed for optimal safety...
- All instructions and parts lists included.

Auto Cascade System
- Automatic operation & priority fill

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Manufacturing facilities:
- Design & manufacturing facilities:
  - Aerospace & Defense
  - Pressure control solutions for your industry.

Charger 6 six bottle cart
Charger 5 three bottle cart
Charger 4 two bottle cart

We are your global partner in precision pressure control.

Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All components designed for optimal safety...
- All instructions and parts lists included.

Auto Cascade System
- Automatic operation & priority fill

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Manufacturing facilities:
- Design & manufacturing facilities:
  - Aerospace & Defense
  - Pressure control solutions for your industry.

Charger 6 six bottle cart
Charger 5 three bottle cart
Charger 4 two bottle cart

We are your global partner in precision pressure control.

Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All components designed for optimal safety...
- All instructions and parts lists included.

Auto Cascade System
- Automatic operation & priority fill

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Manufacturing facilities:
- Design & manufacturing facilities:
  - Aerospace & Defense
  - Pressure control solutions for your industry.

Charger 6 six bottle cart
Charger 5 three bottle cart
Charger 4 two bottle cart

We are your global partner in precision pressure control.

Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All components designed for optimal safety...
- All instructions and parts lists included.

Auto Cascade System
- Automatic operation & priority fill

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Manufacturing facilities:
- Design & manufacturing facilities:
  - Aerospace & Defense
  - Pressure control solutions for your industry.

Charger 6 six bottle cart
Charger 5 three bottle cart
Charger 4 two bottle cart

We are your global partner in precision pressure control.

Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Quick media replenishment
- Carts are designed for easy bottle removal.
- Six bottle cart features an optional 300 lb (136 kg) capacity ladder providing a 12 ft (3.65 m) maximum work height.
- Onboard O₂ supply can be replenished easily without time-consuming bottle removal... saves time & money!

Safety is built in
- Oxygen pressure systems independently tested and verified by Wendell Hull & Associates, leading oxygen experts.
- Durable powder coat paint is standard.
- All components designed for optimal safety...
- All instructions and parts lists included.

Auto Cascade System
- Automatic operation & priority fill

Thick wall steel construction
- Pressure control instrumentation shielded from weather.
- Full one year factory warranty for all carts!
- Heavy-duty thick wall steel construction means a long service life.

Manufacturing facilities:
- Design & manufacturing facilities:
  - Aerospace & Defense
  - Pressure control solutions for your industry.

Charger 6 six bottle cart
Charger 5 three bottle cart
Charger 4 two bottle cart

We are your global partner in precision pressure control.