This unit is designed for use with the standard 42-1/8" L steel "M" cylinder only. It will not work with "M" cylinders shorter or longer than 42-1/8" L and it will not work with "G" or "H" cylinders.

Lowers cylinder safely and quickly to floor level for easy removal.

Powered by a single electric actuator meeting UL-1500 Standard for Ignition Protection, the unit has a maximum lifting weight of 205 pounds and requires 12 VDC with 14 amp circuit. Safety latch holds the unit firmly in place.

**Operating latch is on the opposite side of the motor.** See page 4 for optional hand held switch.

Equipped with a backdriving actuator that prevents unit from holding weight of the apparatus if air suspension is lowered.

### MODEL DESCRIPTION

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>WT./@ IN LBS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QR-OTS-MR</td>
<td>System for &quot;M&quot; cylinder - motor on right</td>
<td>90.0</td>
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<tr>
<td>QR-OTS-ML</td>
<td>System for &quot;M&quot; cylinder - motor on left</td>
<td>90.0</td>
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<tr>
<td>QR-OTS-MR/HHS</td>
<td>System with hand-held switch</td>
<td>91.4</td>
</tr>
<tr>
<td>QR-OTS-ML/HHS</td>
<td>System with hand-held switch</td>
<td>91.4</td>
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<tr>
<td>QR-M-OTS</td>
<td>Bracket only for &quot;M&quot; cylinder</td>
<td>22.0</td>
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<tr>
<td>QR-HSS/B</td>
<td>Hand-held switch with bracket</td>
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Designed specifically for "M" cylinders, this new bracket requires a mounting area 15-1/2" W x 33-1/2" H x 10-5/8" D. Minimum door opening is 12".
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<tr>
<td>1</td>
<td>3030-145-101</td>
<td>Base Casting</td>
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<td>3030-145-145</td>
<td>Lifting Arm Weldment</td>
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<td>3030-145-111</td>
<td>Adapter, Lifting Arm To Tank Brkt.</td>
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<td>3030-140-110</td>
<td>Positioning Arm</td>
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<td>3030-140-116</td>
<td>Rubber Pad, 1&quot; x 4-1/2&quot; x 1/8&quot; Thk.</td>
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<td>3030-140-117</td>
<td>Upper Mtg. Brkt., Actuator</td>
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<td>7</td>
<td>3030-140-119</td>
<td>Housing, Locking Mechanism</td>
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<td>8</td>
<td>3030-140-121</td>
<td>Slider, Locking Mechanism</td>
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<td>9</td>
<td>3030-140-123</td>
<td>Hook, Locking Mechanism</td>
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<td>10</td>
<td>3030-145-125</td>
<td>Handle, Locking Mechanism</td>
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<td>11</td>
<td>3030-140-127</td>
<td>Lifting Arm Screw Sleeve, 3/4&quot; OD x 1/2 ID</td>
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<td>12</td>
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<td>Plain washer, 3/4 ID</td>
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<td>Damper, Hydraulic</td>
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<td>3030-140-133</td>
<td>Sleeve, 3/8 OD x 1/2 ID</td>
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<td>16</td>
<td>9018-103716</td>
<td>Pivot Screw 3/8-16 x 1&quot; Hex Hd. Grade 8</td>
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<td>Nut, 3/8-16 Self Locking</td>
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<td>Pivot Screw 3/8-16 x 1-1/4 Hex Hd. Grade 8</td>
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<td>20</td>
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<td>Mfg. Screw, Lock Mech 5/16-18 x 1&quot; Hex Hd. Grade 8</td>
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<td>21</td>
<td>9010-315036</td>
<td>Shoulder Screw, 1/2 x 2-1/4 Grip</td>
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<td>9030-100505</td>
<td>Quie Release Pin 3/4 OD x 3/4 Grip</td>
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<td>9030-285212</td>
<td>Setscrew, Upper Mtg. Brkt. 1/4-20 x 3/4 Cup Point</td>
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<td>Spacer, 1/2 OD x 14GA x 7/16 LG.</td>
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<td>3030-140-130</td>
<td>Washer, Spring 1/2 ID x 1 OD, SS</td>
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<td>27</td>
<td>9014-203100</td>
<td>Lockwasher, 5/16 Split</td>
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<td>3030-145-127</td>
<td>Damper Mfg. Plate Stamping</td>
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<td>9010-103110</td>
<td>Mfg. Screw, Brkt. To Adapter 5/16-18 x 5/8 Hex Hd.</td>
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<td>9010-103128</td>
<td>Mfg. Screw, Lock Mech HSG 5/16-18 x 1-3/4 Hex Hd.</td>
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<td>3030-140-112</td>
<td>Electric Actuator</td>
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<td>2070-105-19</td>
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<td>9010-113716</td>
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<td>3030-140-147</td>
<td>Retainer, Latch Handle</td>
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<td>3030-140-157</td>
<td>Spacer, 5/16 ID x 1-2 OD x 1 Lg</td>
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<td>3030-140-159</td>
<td>Comp Spring, .660 OD x .049 Wire x 7/8</td>
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<td>Nut, 7/16-14 Self Locking</td>
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<td>Flatwasher, 5/16 Nom. x 1/6 Thk.</td>
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<td>9013-173701</td>
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<td>3030-140-161</td>
<td>End Fitting, Damper</td>
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<td>9013-173100</td>
<td>Nut, 5/16-18, Hex Self Locking</td>
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<td>9018-103144</td>
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<td>Cylinder Bracket Assembly for &quot;M&quot; Cylinder</td>
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<td>53</td>
<td>3030-135-135</td>
<td>Strap &amp; Buckle Assembly</td>
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<td>54</td>
<td>3097-105-144</td>
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<td>56</td>
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<td>Label &quot;Unlock/Unlock&quot;</td>
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<td>3030-140-165</td>
<td>Nylon Tree Rivet Hole Dia. 3/16, 7/16</td>
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<td>58</td>
<td>9010-103171</td>
<td>Label &quot;Stand Clear...&quot; NOT SHOWN</td>
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<td>59</td>
<td>9010-103172</td>
<td>Label &quot;Must Read...&quot; NOT SHOWN</td>
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<td>9010-103173</td>
<td>Label Mounting Plate</td>
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<td>61</td>
<td>3030-140-109</td>
<td>Stop, Cylinder</td>
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<td>62</td>
<td>9010-102512</td>
<td>Screw, 1/4-20 x 3/4 Hex Head</td>
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<td>63</td>
<td>9112-352500</td>
<td>Thumb Nut, 1/4-20</td>
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<td>64</td>
<td>9014-112500</td>
<td>1/4 Nom., Flatwasher</td>
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<tr>
<td>65</td>
<td>9018-103720</td>
<td>3/8-16 x 1-1/4 Hex Hd. M/S G8</td>
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<td>66</td>
<td>9120-101102</td>
<td>Drive Screw #4 x 1/8&quot; Type &quot;O&quot;</td>
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<td>0000-000-105</td>
<td>Label, Model Number, Metal</td>
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<td>68</td>
<td>3030-000-115</td>
<td>Label, &quot;Meets KKK Specks&quot; NOT SHOWN</td>
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</tr>
</tbody>
</table>

**FIGURE 1**

**FIGURE 2**
Label Assembly Shipped Unmounted

FIGURE 7
Mounting Recommendations for Model QR-OTS Oxygen Tank Systems:

- **Mounting Hardware:** We recommend use of 3/8" diameter hex head bolts at least Grade 5 in eight (8) places to mount the base casting.

- **Air Hose:** Should be long enough to allow removal of air hose connection when the cylinder has been lowered to the ground.

**Electrical Schematic for all Systems:**

![Electrical Schematic Diagram]

Proper threading of outside strap through the buckle assembly:

**Wiring Schematic for Hand-Held Switch:**

![Wiring Schematic Diagram]

Hand-held switch may be ordered alone (QR-HHS/B) or with a system in place of the standard toggle switch. Comes with mounting bracket.