




Charging Assemblies

DADCO offers Charging Assemblies to fill self-contained nitrogen gas springs or linked systems. Three varieties of Standard Assemblies are available along with Custom Assemblies for all tank connections and pressure ranges.

Standard Charging Assemblies

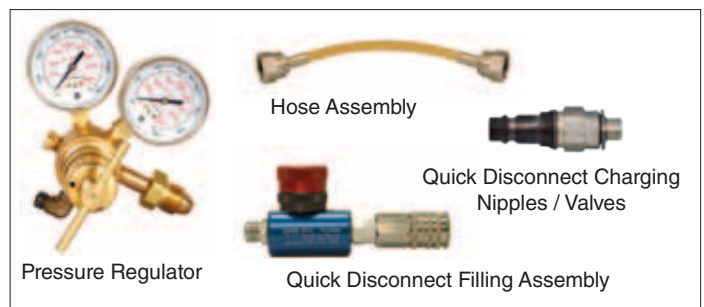
The Standard Charging Assemblies are offered in three varieties and are distinguished by the Pressure Regulators included. Each assembly also includes a Hose Assembly with 3 meters of hose and a filling assembly.

 <p>Standard Charging Assembly Order Code: 90.310.040</p>	<p>90.310.040 Charging Assembly fills to 3000 psi (200 bar) and connects to standard domestic nitrogen gas tanks (CGA-580).</p> <p>90.310.040 Charging Assembly Includes:</p> <p>90.310.201 Standard Pressure Regulator</p> <p>90.310.252 Hose Assembly (3 m / 10 ft)</p> <p>90.310.338 Standard Quick Disconnect Filling Assembly</p>
 <p>European Charging Assembly Order Code: 90.310.045</p>	<p>90.310.045 Charging Assembly fills to 2500 psi (170 bar) and attaches to standard European thread nitrogen gas tanks (DIN 477 #10).</p> <p>90.310.045 Charging Assembly Includes:</p> <p>90.310.203 European Pressure Regulator</p> <p>90.310.252 Hose Assembly (3 m / 10 ft)</p> <p>90.310.338 Standard Quick Disconnect Filling Assembly</p>
 <p>High Pressure Charging Assembly Order Code: 90.310.044</p>	<p>90.310.044 High Pressure Quick Disconnect Charging Assembly fills to 3000 psi (200 bar) and connects to standard domestic high pressure nitrogen gas tanks (CGA-680).</p> <p>90.310.044 Charging Assembly Includes:</p> <p>90.310.205 High Pressure Regulator</p> <p>90.310.252 Hose Assembly (3 m / 10 ft)</p> <p>90.310.340 Quick Disconnect Filling Assembly</p>

Build your Own Custom Charging Assembly:

DADCO offers custom Quick Disconnect Filling Hardware by selecting the Pressure Regulator, Hose Assembly, Quick Disconnect Filling Assembly and Charging Nipples to suit customer needs. To create a custom assembly follow the steps outlined below to properly order your individual components, which will then be shipped to you for easy assembly at your facility.

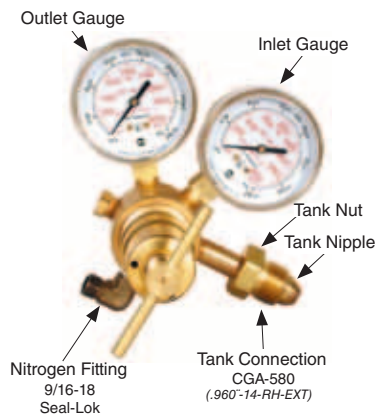
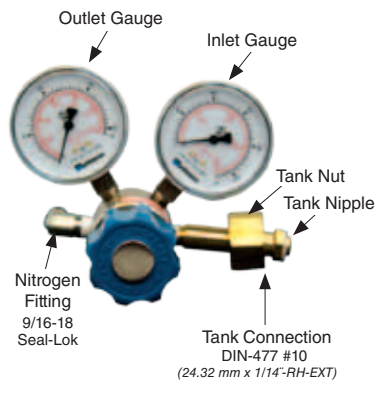
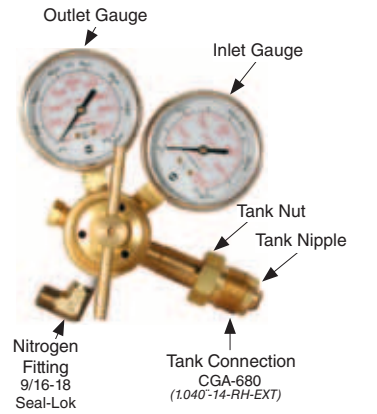
Fill-in each step below to complete your order:



Steps:	Page:	Order Code:
1. Choose a Pressure Regulator	2	
2. Choose a Hose Option	2	
3. Choose a Quick Disconnect Filling Assembly	3	
4. Choose Quick Disconnect Charging Nipples	3	

Step One: Choose a Pressure Regulator

Pressure Regulators display the tank pressure and control the charging pressure. The three regulators are easily distinguished from each other by their connection types for attachment to various nitrogen tanks. Verify the maximum charging pressure of the nitrogen gas spring or linked system before pressurizing.


 <p>Standard Pressure Regulator</p>		 <p>European Pressure Regulator</p>		 <p>High Pressure Regulator</p>	
Order Code: 90.310.201		Order Code: 90.310.203		Order Code: 90.310.205	
Max Inlet Pressure	Delivery Range	Max Inlet Pressure	Delivery Range	Max Inlet Pressure	Delivery Range
200 bar 3000 psi	14-200 bar 200-3000 psi	200 bar 3000 psi	7-170 bar 100-2500 psi	330 bar 5500 psi	14-200 bar 200-3000 psi


Replacement Parts Guide					
Regulator	Inlet Gauge	Outlet Gauge	Nitrogen Fitting	Tank Nipple	Tank Nut
90.310.201	HZ87V194	HZ87V194	90.505.102/202	CX863451	CX853451
90.310.203	<i>Contact DADCO for details.</i>				
90.310.205	HZ87V195	HZ87V194	90.505.102/202	HZ871394	HZ871395

Alternative Tank Fittings			
Regulator	Tank Connection Type	Tank Nipple	Tank Nut
90.310.201	For CGA-677 Tank Connection	HZ871396	HZ871397
90.310.205	For CGA-677 Tank Connection	HZ871398	HZ871399

Step Two: Choose a Hose Option

DADCO offers four different Hose Assembly options. Each customized assembly features O-Ring Face Seal (ORFS) hose adapters at each end of your specified hose length.

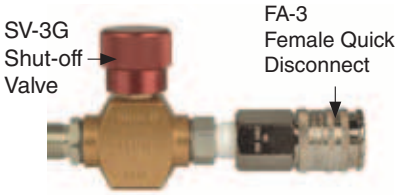
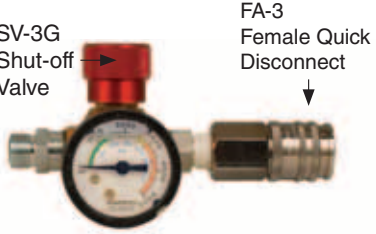

 <p>MINIFLEX® 90.700 (Y-700) Hose Assembly</p>					
Order Code: 90.700. S943. S943. $\frac{\text{Length}}{\text{Length}}$ I					
OD	ID	Working Pressure	Burst Pressure	Bend Radius	Min. Hose Length
5 .20	2 .08	500 bar 7250 psi	1890 bar 27405 psi	15 .59	75 mm

 <p>DADCOFLEX® 90.500 (Y-500) Hose Assembly</p>					
Order Code: 90.500. S843. S843. $\frac{\text{Length}}{\text{Length}}$ I					
OD	ID	Working Pressure	Burst Pressure	Bend Radius	Min. Hose Length
11 .43	5 .19	345 bar 5000 psi	1380 bar 20000 psi	38 1.50	80 mm

Charging Assemblies

Step Three: Choose a Quick Disconnect Filling Assembly



DADCO offers three different Quick Disconnect Filling Assemblies to charge self-contained and linked nitrogen gas springs.

 <p>SV-3G Shut-off Valve</p> <p>FA-3 Female Quick Disconnect</p> <p>Standard Quick Disconnect Filling Assembly</p>	 <p>SV-3G Shut-off Valve</p> <p>FA-3 Female Quick Disconnect</p> <p>Quick Disconnect Filling Assembly with Gauge</p>	 <p>SV-4 Shut-off Valve</p> <p>FA-3 Female Quick Disconnect</p> <p>Quick Disconnect Filling Assembly (Self-Venting)</p>
<p>Order Code: 90.310.338</p>	<p>Order Code: 90.310.339</p>	<p>Order Code: 90.310.340</p>
<p>DADCO's 90.310.338 Quick Disconnect Filling Assembly is easily connected to the appropriate Charging Nipple or Filler Valve to charge self-contained gas springs up to 180 bar (2600 psi). The Quick Disconnect Filling Assembly can also be used with a DADCO control panel for charging linked systems.</p>	<p>DADCO's 90.310.339 Quick Disconnect Filling Assembly with Gauge easily connects to the appropriate Charging Nipple or Filler Valve to charge self-contained gas springs and linked systems up to 180 bar (2600 psi). A DPG-3R gauge is included for displaying pressure during charging.</p>	<p>DADCO's 90.310.340 Quick Disconnect Filling Assembly (Self-Venting) easily connects to the appropriate Charging Nipple or Filler Valve to charge self-contained and linked systems up to 180 bar (2600 psi). DADCO recommends using the self-venting option when charging high pressure, self-contained nitrogen gas springs and to fill linked systems.</p>

Step Four: Choose one or more Quick Disconnect Charging Nipples / Filler Valves

Choose the appropriate Quick Disconnect Charging Nipple and Quick Disconnect Filler Valve to charge DADCO nitrogen gas springs and linked systems.

Quick Disconnect Charging Nipples

 <p>G 1/8 BSPP</p> <p>G 1/8 Quick Disconnect Charging Nipple</p> <p>Order Code: 90.310.111</p>	<ul style="list-style-type: none"> No internal valve G 1/8 Thread For use with self-contained nitrogen gas springs <p>Used with DADCO's G 1/8 Port Gas Springs:</p> <table border="1"> <tr> <td>U.4600 - U.20000</td> <td>UX</td> <td>90.8</td> <td>90.10</td> <td>90.5B2</td> <td>SC.01800 - SC.18300</td> </tr> </table>	U.4600 - U.20000	UX	90.8	90.10	90.5B2	SC.01800 - SC.18300
U.4600 - U.20000	UX	90.8	90.10	90.5B2	SC.01800 - SC.18300		
 <p>M6</p> <p>M6 Quick Disconnect Charging Nipple</p> <p>Order Code: 90.310.143</p>	<ul style="list-style-type: none"> No internal valve M6 Thread For use with self-contained nitrogen gas springs <p>Used with DADCO's M6 Port Gas Springs:</p> <table border="1"> <tr> <td>Micro (C)</td> <td>U.0175 - U.2600</td> <td>LJ/L</td> <td>SCR</td> <td>SC.00420 - SC.01000</td> </tr> </table>	Micro (C)	U.0175 - U.2600	LJ/L	SCR	SC.00420 - SC.01000	
Micro (C)	U.0175 - U.2600	LJ/L	SCR	SC.00420 - SC.01000			