



## Grade R Single Line Welding Hose ARPM IP-7

Series 7120 (Red – Acetylene Only)

Series 7121 and Series 7031R  
(Green – Oxygen Line)

Series 7120/7121 is a single line acetylene/oxygen welding hose. Red Series 7120 is only for fuel service and is compatible only with acetylene. Green Series 7121 is only for oxygen service. The non-blooming tube minimizes the migration of combustible waxes or plasticizers to the surface of the rubber, and the multiple plies of textile reinforcement provide flexibility. Single line welding hose is available in long continuous lengths, providing maximum versatility and ease of handling in a variety of applications where only single line hose is needed or where the fuel gas and oxygen sources are separated, and twin line hose is not practical. The cover is resistant to abrasion, heat, mild chemicals and ozone.

**NOTES:**

- For 3/4" Grade R oxygen hose, refer to Series 7031R.
- Grade R is also suitable for use with inert gas.

<b>Tube:</b>	Black EPDM
<b>Reinforcement:</b>	Multiple textile plies
<b>Cover:</b>	<b>Series 7120:</b> Red (acetylene) EPDM; ribbed finish <b>Series 7121:</b> Green (oxygen) EPDM; ribbed finish (7031R smooth finish)
<b>Temp. Range:</b>	-40°F to +200°F (-40°C to +93°C)
<b>Brand Method:</b>	<b>Series 7120:</b> White ink <b>Series 7121/7031R:</b> Black ink
<b>Brand Example:</b>	<b>Series 7120:</b> PARKER 7120 WELDING ⚠ WARNING ACETYLENE ONLY (ID) MAX WP 200 PSI ARPM IP-7-(YEAR) STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE) <b>Series 7121:</b> PARKER 7121 WELDING ⚠ WARNING OXYGEN (ID) MAX WP 200 PSI ARPM IP-7-(YEAR) STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE) <b>Series 7031R:</b> PARKER 7031 GST® II/OXYGEN (ID) MAX WP 300 PSI (200 PSI OXYGEN) ARPM IP-7-(YEAR) STD DUTY GRADE R MADE IN USA (DATE CODE)
<b>Design Factor:</b>	4:1
<b>Industry Standards:</b>	ARPM IP-7
<b>Applications:</b>	<ul style="list-style-type: none"> <li>• <b>Series 7120 (red):</b> Acetylene ONLY</li> <li>• <b>Series 7121 and 7031R (green):</b> Oxygen</li> <li>• Bending, brazing, cutting, fabricating, gouging, joining, piercing, pre-heating, post-heating, severing, soldering, straightening, surfacing, trimming</li> <li>• Assembly and fabrication shops, construction, factories, foundries, mines, oil rigs, plumbing, rail yards, salvage, scrapyards, shipyards, steel mills</li> </ul>
<b>Vacuum:</b>	Not recommended
<b>Compare to:</b>	Thermoid Green GP/Oxygen
<b>Packaging:</b>	Reels

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## Series 7120 / 7121 / 7031R – Grade R Single Line Welding Hose (Continued)

### Series 7120 (Red – Acetylene line only)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7120-19200	3/16	4.8	2	0.438	11.1	0.08	0.04	2.0	50.8	200	13.8	*	800	Y
7120-25200	1/4	6.4	2	0.531	13.5	0.10	0.05	2.5	63.5	200	13.8	*	800	Y
7120-31200	5/16	7.9	2	0.594	15.1	0.13	0.06	3.0	76.2	200	13.8	*	750	Y
7120-38200	3/8	9.5	2	0.656	16.7	0.14	0.06	4.0	101.6	200	13.8	*	700	Y
7120-50200	1/2	12.7	4	0.875	22.2	0.26	0.12	5.0	127.0	200	13.8	*	500	N

\* **Industrial Couplings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.

**Welding Couplings:** As specified in [CGA publication E-1](#). Bulk welding hose couplings are not sold separately by Parker (except 3/4")

\*\* **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

### Series 7121/7031R (Green – Oxygen Line)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7121-19200	3/16	4.8	2	0.438	11.1	0.08	0.04	2.0	50.8	200	13.8	*	800	Y
7121-25200	3/16	6.4	2	0.531	13.5	0.10	0.5	2.5	63.5	200	13.8	*	800	Y
7121-31200	1/4	7.9	2	0.594	15.1	0.13	0.6	3.0	76.2	200	13.8	*	750	Y
7121-38200	5/16	9.5	2	0.656	16.7	0.14	0.6	4.0	101.6	200	13.8	*	700	Y
7121-50200	1/2	12.7	4	0.875	22.2	0.26	0.12	5.0	127.0	200	13.8	*	500	Y
7031-75304R	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	HY	350	Y
7031-7530450R	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	HY	50	Y

\* **Industrial Couplings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.

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**⚠ WARNING!** Do not attempt to re-couple, repair or splice hose assemblies; replace all assemblies that show signs of abrading, abuse, age, damage or fatigue. Refer to [ARPM IP-7, Specifications for Rubber Welding Hose and Hose Technical Bulletin 11-5, Guide for Use, Maintenance and Inspection of Welding Hose](#). Refer to [CGA Safety Bulletin SB-11, Use of Rubber Welding Hose](#). Refer to the [Safety & Technical Information section](#) of this catalog for further information.

