

# Industrial Hose Products

*PRB 4800-Steam*

**Steam**

**Your Job. Our Hose.**



**Parker**

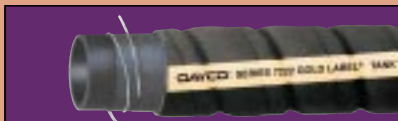
For the name of the Parker distributor nearest you, call 1-800-C-PARKER.



### Chemical Transfer

**Description:** For suction and discharge of chemicals in production or transport applications.

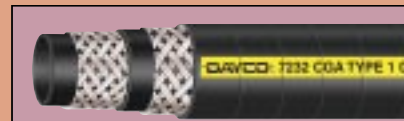
- 7274/7276 - Poly-Chem
- 7373 - Blue Thunder



### Petroleum Transfer

**Description:** For suction and discharge of petroleum in production or transport applications.

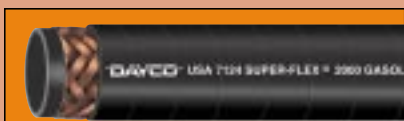
- 7222/7223 - Gold Label
- 7216/7217 - Translite
- 7224/7225 - Fuel Discharge
- 7290 - Hot Tar & Asphalt



### LPG (Propane)

**Description:** For transfer of LPG liquid or vapor.

- 7132 - Bobtail Delivery
- 7232 - Transport
- 7231 - Transport
- 7170 - Flexible Connectors



### Petroleum Dispensing

**Description:** For dispensing of petroleum products.

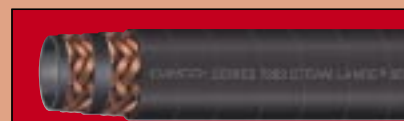
- 7124 - Super-Flex 2000
- 7114 - Soft-Flex 2000
- 7280 - Flexever 2000
- 7574 - Balanced VR
- 7246 - 3/4" Active VR
- 7253 - 7/8" Active VR



### Welding

**Description:** For welding and cutting operations with oxygen and most fuel gases.

- 7109 - Twin Grade T
- 7110 - Twin Grade RM
- 7126 - Twin Grade M
- 7141/7142 - Single Grade T
- 7120/7121 - Single Grade M
- 7293 - Oxygen Charging



### Steam

**Description:** For high pressure transfer of steam (up to 250 psi).

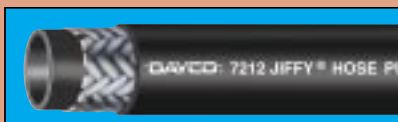
- 7263/7264 - EPDM
- 7286/7287 - Butyl
- 7288/7289 - EPDM tube, oil resistant cover
- 7250/7204 - Oil resistant



### Air, Water & Multi-Purpose

**Description:** For transfer and clean up in food processing facilities.

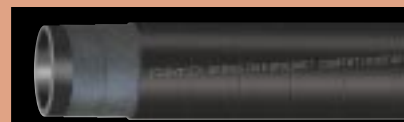
- 7092 - GST II, EPDM tube & Cover
- 7094 - MPT II, Oil Resistant
- 7257 - Day-Flo Water Suction
- 7306 - Day-Flo Water Discharge
- 7107 - Grizzly
- 7268 - Stinger Mine Spray



### Jiffy®

**Description:** An oil-resistant hose for use with air tools, water, mild chemicals and various petroleum products. Special braid angle for quick and secure coupling retention.

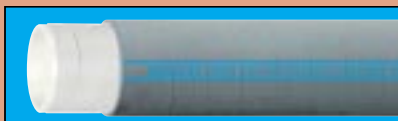
- 7212 - Jiffy (Offered in Black, Blue, Gray, Green and Red)
- 7161 - Jiffy Flex™ 250 (non-conductive)



### Material Handling

**Description:** For transfer of abrasive materials.

- 7218 - Drilline Cement
- 7238 - Plaster & Concrete
- 7363 - Super-Flex
- 7393 - Rock Dust
- 7244 - Sand Blast - 4 Ply
- 7245 - Sand Blast - 2 Ply



### Food Handling

**Description:** For transfer and clean up in food processing facilities.

- 7304 - NBR Discharge (250 psi)
- 7305 - Butyl S&D (150 psi)
- 7310 - NBR S&D (150 psi)
- 7079 - ECW Washdown
- 7080 - HDW Creamery Washdown
- 7360 - Wildcatter Washdown



### Anhydrous Ammonia

**Description:** For high pressure transfer of Anhydrous Ammonia up to 350 psi.

- 7262 - Nylon Reinforced
- 7261 - Stainless Reinforced

# Your Job. Our Hose.

## STEAM HOSE PRODUCT OVERVIEW AND TYPICAL APPLICATIONS

### Series 7263 1/2" – 2"

Steam-Lance®, EPDM tube and cover, 250 psi - Black

### Series 7264 1/2" – 2"

Steam-Lance, EPDM tube and cover, 250 psi - Red

### Series 7286 1/2" – 2"

Dragon Breath® Butyl, Butyl tube and cover, 250 psi - Black

### Series 7287 1/2" – 2"

Dragon Breath Butyl, Butyl tube and cover, 250 psi - Red

### Series 7288 1/2" – 2"

Dragon Breath, EPDM tube and neoprene cover, 250 psi - Red

### Series 7289 1/2" – 2"

Dragon Breath, EPDM tube and hypalon cover, 250 psi - Black

### Series 7250 3/8" – 1"

Steam-Lance, NBR tube and cover, 150 psi - Red

### Series 7204 3/8" – 1"

MPW 1000®, NBR tube and cover, 150 psi - Black



Parker's crimped connectors for steam hoses deliver a leak-proof connection that ensures both the safety of the operator as well as smooth, continuous performance. Each product reflects the high quality and service inherent in the Parker name.



## PARKER INDUSTRIAL HOSE PRODUCTS OFFERS A COMPREHENSIVE LINE OF HOSE PRODUCTS DESIGNED FOR THE SAFE HANDLING OF HIGH-PRESSURE STEAM TRANSFER.

Why choose Parker Industrial Hose Products? With a Parker industrial hose assembly, you're guaranteed end-to-end quality from the hose to the fitting. Each component is part of our **Safe Hose System**—specifically designed for the application at hand. You can count on long life and an economical hose product that won't cost you downtime. It's right from the start.

To service our customers, we provide a worldwide network of knowledgeable Parker hose and fitting distributors. In addition, our technical sales representatives will provide the training and expertise you need to remain competitive in today's environment.



## WARNING

**Caution: Steam applications may be dangerous.**

While many industrial hose applications are potentially dangerous, a few are of particular concern because their danger is not always so obvious. Using steam in industrial hose applications is potentially dangerous because of the great heat and pressure involved. Water changes to steam at higher temperatures when under pressure, and the greater the pressure, the higher the temperature required. If steam escapes, tremendous quantities of heat are released. This, combined with high pressure, can be hazardous to the operator. To ensure the safest handling of steam applications, use only hose specifically recommended for steam service. (Refer to RMA publication IP-11-1 "Steam Hose, Guide for Maintenance, Testing and Inspection").



## Series 7263

### Series 7263 BLACK COVER Series 7264 RED COVER

#### Steam - Lance® 250 Steam Hose

Designed for saturated steam applications at pressures to 250 PSI and temperatures to 406° F. This hose will also handle super heated steam to 250 PSI and 450° F. The steel wire braids provide maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive. **Not for use with petroleum based detergents.**

#### 10:1 Design factor for steam applications.

<b>Tube:</b>	Black EPDM
<b>Cover:</b>	Perforated Black or Red EPDM
<b>Reinforcement:</b>	Multiple wire braids
<b>Temp. Range:</b>	-20° F to + 406°/450° F
<b>Branding:</b>	PARKER/DAYCO 7263 STEAM LANCE® 250 PSI MAX WP MADE IN USA DE2 (DATE CODE)
<b>Brand Description:</b>	Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	48	7.0	250
-752	3/4	19.1	2	1.343	34.1	66	9.5	250
-1002	1	25.4	2	1.593	40.5	82	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	115	16.5	250
-1502	1 1/2	38.1	2	2.188	55.6	137	20.0	250
-2002	2	50.8	2	2.687	68.2	178	25.0	250

**WARNING! Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam, and high pressure steam can cause severe scalding or fatal burns.**

#### USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

**Warning! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.**

## IMPORTANT

Refer to the Safety and Technical Data Information Section in Catalog 4800 for the proper use of this hose.

## Series 7286

### Series 7286 BLACK COVER Series 7287 RED COVER

#### Dragon Breath® Butyl Steam Hose

A premium steam hose designed for saturated steam applications at pressures to 250 PSI and temperatures to 406° F. This hose will also handle super heated steam to 250 PSI and 450° F. The steel wire braids provide maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive.

#### 10:1 Design factor for steam applications.

<b>Tube:</b>	Black Butyl
<b>Cover:</b>	Perforated Black or Red Butyl
<b>Reinforcement:</b>	Multiple wire braids
<b>Temp. Range:</b>	0° to +406°/450° F
<b>Branding:</b>	PARKER/DAYCO USA 7286 BUTYL STEAM 250 PSI MAX WP DE2 (DATE CODE)
<b>Brand Description:</b>	Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	50	7.0	250
-752	3/4	19.1	2	1.343	34.1	69	9.5	250
-1002	1	25.4	2	1.594	40.5	85	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	120	16.5	250
-1502	1 1/2	38.1	2	2.188	55.6	137	20.0	250
-2002	2	50.8	2	2.687	68.2	179	25.0	250

**WARNING! Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam and high pressure steam can cause severe scalding or fatal burns.**

#### USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.

**WARNING! Failure to properly use, maintain, test, and inspect steam hose assemblies can result in injury to personnel or damage to property.**





## Series 7288

### Series 7288 RED COVER Series 7289 BLACK COVER (NON-STOCK)

#### Dragon Breath® 250 Steam Hose

This hose is designed for saturated steam (250 PSI at 406° F) or super heated steam service (250 PSI at 450° F). The double wire braid offers maximum strength and can be utilized as a static wire to make the hose assembly electrically conductive. The oil resistant cover (RMA Class B) makes the hose ideal for refinery service. **Not for use with petroleum based detergents.**

#### 10:1 Design factor for steam applications.

<b>Tube:</b>	Black EPDM
<b>Cover:</b>	Perforated Red Neoprene or Black Hypalon
<b>Reinforcement:</b>	One wire braid
<b>Temp. Range:</b>	-20° F to +406°/450° F
<b>Branding:</b>	PARKER/DAYCO USA 7288 DRAGON BREATH® (DATE CODE) DE2 250 PSI MAX WP
<b>Brand Description:</b>	Emboss Brand

Part No.	ID (in.)	ID (mm)	Reinf. Braids	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
-502	1/2	12.7	2	1.031	26.2	52	7.0	250
-752	3/4	19.1	2	1.343	34.1	73	9.5	250
-1002	1	25.4	2	1.594	40.5	90	12.0	250
-1252	1 1/4	31.8	2	1.875	47.6	124	16.5	250
-1502	1 1/2	38.1	2	2.187	55.5	144	20.0	250
-2002	2	50.8	2	2.688	68.3	188	25.0	250

**WARNING! Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam and high pressure steam can cause severe scalding or fatal burns.**

**USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.**

**WARNING! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.**

## IMPORTANT

**Refer to the Safety and Technical Data Information Section in Catalog 4800 for the proper use of this hose.**

## Series 7250

### Series 7250 STEAM-LANCE® 150

#### Steam Cleaner Hose

The hose is designed for tough, constant use in steam cleaning operations in oily environments, and for saturated steam applications. Pressures to 150 PSI and temperatures to 368° F.

#### 10:1 Design factor for steam applications.

<b>Tube:</b>	Black Nitrile
<b>Cover:</b>	Perforated Red Neoprene
<b>Reinforcement:</b>	One wire braid
<b>Temp. Range:</b>	-20° F to +368° F
<b>Branding:</b>	PARKER/DAYCO USA 7250 STEAM LANCE® (DATE CODE) 150 PSI MAX WP - DE2
<b>Brand Description:</b>	Emboss Brand

**WARNING! Water changes to hot water and phases of steam when subjected to heat and pressure. The greater the pressure, the higher the temperature required to achieve, maintain a steam phase. If the steam escapes, dangerous quantities of heat are released very suddenly. Hot water, low pressure steam, and high pressure steam can cause severe scalding or fatal burns.**

**USE ONLY STEAM HOSES DESIGNED FOR STEAM APPLICATIONS.**

**Warning! Failure to properly use, maintain, test and inspect steam hose assemblies can result in injury to personnel or damage to property.**



Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP
7250-381	3/8	9.5	1	0.781	19.8	28	5.0	150
7250-501	1/2	12.7	1	0.906	23.0	34	7.0	150
7250-751	3/4	19.1	1	1.187	30.1	51	9.5	150
7250-1001	1	25.4	1	1.500	38.1	75	12.0	150

## Series 7204

### MPW - 1000® Multi-Purpose Hose

This versatile multi-purpose hose is ideal for rugged service in many industrial and high pressure steam cleaning applications. In addition to air and water service, the oil resistant tube and cover will handle a variety of acids and chemicals. Suitable for saturated steam service to 150 PSI and temperatures to 368° F. Also suitable to convey hot tar, wax and glue at 300° F continuous, 350° F intermittent.

#### 4:1 Design factor (10:1 for 150 PSI steam applications)

<b>Tube:</b>	Black Nitrile
<b>Cover:</b>	Perforated Black Neoprene
<b>Reinforcement:</b>	One wire braid
<b>Temp. Range:</b>	-20° F to +300°/350°/368° F (steam)
<b>Branding:</b>	PARKER/DAYCO 7204 - MPW 1000 PSI MAX WP (DATE CODE) MADE IN USA
<b>Brand Description:</b>	Embossed Brand



## Series 7204

Part No.	ID (in.)	ID (mm)	Reinf. Braid	OD (in.)	OD (mm)	Approx. Wt. Per 100 Ft.	Min. Bend Radius	Max. Rec. WP	Max. Steam WP
7204-381	3/8	9.5	1	0.781	19.8	28	5.0	1000	150
7204-501	1/2	12.7	1	0.906	23.0	34	7.0	1000	150
7204-751	3/4	19.1	1	1.187	30.1	52	9.5	1000	150
7204-1001	1	25.4	1	1.500	38.1	75	12.0	1000	150

Refer to the Safety and Technical Data Information Section in Catalog 4800 for the proper use of this hose.

**IMPORTANT**

## Series 7612

### Dragon Breath® Steam Coupling Adapters Medium To High Pressure

#### FEMALE SPUD – STEEL

**Description:** Adapter between female ground joint coupling and NPT male pipe.



Part No.	NPT Thread	NPSM Thread
7612-500GFS2	Female 1/2"	Male 1"
7612-750GFS3	Female 3/4"	Male 1-1/2"
7612-100GFS4	Female 1"	Male 1-1/2"

#### MALE SPUD – STEEL

**Description:** Adapter between female ground joint coupling and female NPT.



Part No.	NPT Thread	NPSM Thread
7612-500MS2	Male 1/2"	Male 1"
7612-750GMS3	Male 3/4"	Male 1-1/2"
7612-100GMS4	Male 1"	Male 1-1/2"

#### DOUBLE SPUD – STEEL

**Description:** Adapter between two female ground joint couplings.



Part No.	Male Thread	Male Thread
7612-100GDS3	Male 1-1/2"	Male 1-1/2"
7612-500GDS2	Male 1"	Male 1"

## Series 7610

### FEMALE WING NUT

#### Dragon Breath® Steam Couplings

**Service:** High pressure air, water and steam.

**Description:** One piece ferrule and stem with machined ductile iron female wing nut. NPSM thread with Ground Joint O-Ring Seal.

**Attachment:** Permanent Crimp, contact Parker/Dayco for crimp specifications.



Part No.	Hose ID	Thread Female
7610-8BWGJF	1/2	1" NPSM
7610-12BWGJF	3/4	1-1/2" NPSM
7610-16BWGJF	1	1-1/2" NPSM

## Series 7613

### FEMALE ULTIMATE GRIP NUT

#### Dragon Breath® Steam Couplings

**Service:** High pressure air, water and steam.

**Description:** One piece ferrule and stem with machined ductile iron female ultimate grip nut. NPSM thread with Ground Joint O-Ring Seal.

**Attachment:** Permanent Crimp, contact Parker/Dayco for crimp specifications. Refer to Parker/Dayco Industrial Hose Crimp Specifications for BW coupling crimp specifications.



Part No.	Hose ID	Thread Female
7613-8BWGJF	1/2	1" NPSM
7613-12BWGJF	3/4	1-1/2" NPSM
7613-16BWGJF	1	1-1/2" NPSM

**For additional adapters and couplings please see Parker Catalog 4800.**

# How To Order

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When ordering Parker Industrial hose or accessories, please state the part number as shown in the Parker Industrial Hose Products Catalog 4800. Specify in feet, total length of hose required when ordering bulk hose. Specify number of pieces if cut lengths of hose are required and specify those lengths in feet and/or inches. Be sure to double check thread or hose sizes of items required.

To select proper hose and fitting materials for specific applications, refer to Chemical Resistance Information in Catalog 4800 or contact the Technical Service Department, Industrial Hose Division, Cleveland, Ohio.

If in doubt about which type or size of hose and fitting to specify, or the compatibility of the fluid you intend to use, consult your local Parker Industrial Hose Products Distributor, Parker Field Sales or Industrial Hose Division.

**Note: Refer to Catalog 4800 or call the Industrial Hose Division for more detailed application information.**

# Offer Of Sale

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The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale".

***Call the Parker Information Center toll-free for catalogs, literature, or additional information:***

**1-800-C PARKER**

**(1-800-272-7537)**



## WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.



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