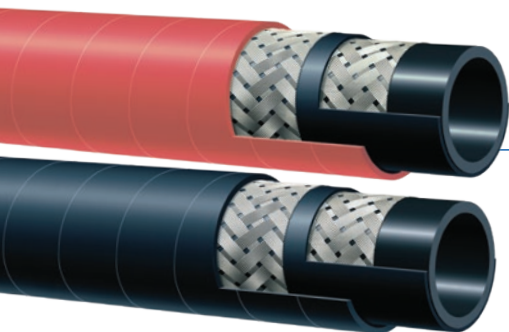


# **ALFAGOMMA®**

## **Crimped Steam Hose Assemblies and Bulk Components**





## T340AA/AH Series 270 PSI EPDM Braided Steam Hose

### GENERAL APPLICATIONS

- Saturated steam applications up to 270 PSI and 410°F
- High pressure industrial equipment cleaning at refineries, processing plants and shipyards
- Thawing and de-icing of outdoor pipes and other equipment during cold temperatures

### CONSTRUCTION

**Tube** – Black, conductive EPDM.

**Reinforcement** – Single high tensile steel wire braid (1/2" Size), Two high tensile steel wire braids (3/4" to 3").

**Cover** – Red or black pin-pricked EPDM.

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +410°F (+210°C)

### BRANDING

ALFAGOMMA ITALY T340 18 BAR (270 PSI) STEAM - DRAIN AFTER USE

### VIEW ONLINE



SCAN FOR INFO

or visit

[KOA.link/T340AA-AH](http://KOA.link/T340AA-AH)

### FEATURES AND ADVANTAGES

- **Highest Pressure Capabilities** – Handles pressures up to 270 PSI, higher than other steam hoses which range up to 250.
- **Pin Pricked Cover** – Vents trapped vapors to help prevent "popcorning."
- **Heat Resistant** – Specially formulated, heat resistant EPDM tube and cover. Capable of transferring saturated steam up to +410°F.
- **Conductive Tube** – Helps dissipate potential charge to ground, reducing the risks of shocks.
- **Highly Durable Cover** – Heat, weathering, abrasion and ozone resistant cover designed to perform in highly demanding, steam hose applications.

Series Number	Color	ID		OD		Max. Rec.* WP (psi)	Min. Bending Radius at 68°F (in)	Standard Lengths (ft)	Weight (lbs/ft)
		(in)	(mm)	(in)	(mm)				
T340AA050	black	1/2	13	0.91	23	270	5	50/100	0.28
T340AH050	red	1/2	13	0.91	23	270	5	50/100	0.28
T340AA075	black	3/4	19	1.22	31	270	7 1/2	50/100/200	0.52
T340AH075	red	3/4	19	1.22	31	270	7 1/2	50/100/200	0.52
T340AA100	black	1	25	1.50	38	270	10	50/100	0.60
T340AH100	red	1	25	1.50	38	270	10	50/100	0.60
T340AA200	black	2	51	2.64	67	270	20	50/100	1.38
T340AA250	black	2 1/2	63	3.19	81	270	25	50	1.99
T340AA300	black	3	76	3.70	94	270	30	50	2.50

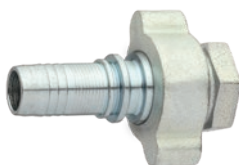
\*10:1 Safety Factor

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



**One-piece, Male Crimp  
NPT Fitting**

Part Number	Size (in)	Weight Each (lbs)
A-0808-MNPT	1/2	0.31
D-1212-MNPT	3/4	0.51
D-1616-MNPT	1	1.04
D-2020-MNPT	1 1/4	1.49
D-2424-MNPT	1 1/2	1.89
D-3232-MNPT	2	3.17



**Female Crimp Ground Joint with  
Wing Nut and Female NPT Spud**

Part Number	Size (in)	Weight Each (lbs)
SHGJ-CR050	1/2	0.75
SHGJ-CR075	3/4	1.98
SHGF-CR100	1	1.98
SHGF-CR125	1 1/4	3.75
SHGF-CR150	1 1/2	3.64
SHGF-CR200	2	5.97



**Crimp Ferrule for use with Female  
Ground Joint (SHGJ Series)**

Part Number	Size (in)	Weight Each (lbs)
AF4-08	1/2	0.18
SHF-12	3/4	0.24
SHF-16	1	0.46
SHF-20	1 1/4	0.54
SHF-24	1 1/2	0.76
SHF-32	2	1.16



**Female Spud with Copper Seal  
(Female NPT x Male NPS)**

Part Number	Size (in)	Weight Each (lbs)	Standard Carton
GJF-050	1/2	0.29	200
GJF-075	3/4	0.64	100
GJF-100	1	0.57	100
GJF-125	1 1/4	1.21	40
GJF-150	1 1/2	1.04	40
GJF-200	2	1.39	32



**Male Spud with Copper Seal  
(Male NPT x Male NPS)**

Part Number	Size (in)	Weight Each (lbs)	Standard Carton
GMS-050	1/2	0.29	100
GMS-075	3/4	0.75	60
GMS-100	1	0.79	50
GMS-125	1 1/4	1.43	30
GMS-150	1 1/2	1.70	30
GMS-200	2	2.23	30



**Double Spud with Copper Seal  
(Male NPS x Male NPS)**

Part Number	Size (in)	Weight Each (lbs)	Standard Carton
GDS-050	1/2	0.40	100
GDS-075	3/4	1.32	60
GDS-100	1	1.32	50
GDS-125	1 1/4	1.41	30
GDS-150	1 1/2	1.41	30
GDS-200	2	1.92	24

## Other Steam Hose Products Available from Kuriyama



**T341 Series**  
Chlorobutyl Steam Hose



**T343 Series**  
EPDM Steam Hose with Oil  
Resistant Cover

Refer to pages 26 and 27 of the Alfagomma Catalog for details.



**GJ Series**



**GJM Series**



**WC Series**



**BC2 Series**



**BC4 Series**



**BC6 Series**



**WS Series**

### Clamp Steam Hose Fittings & Bolt Clamps

Refer to pages 216, 220, 221 and 224 of the Kuriyama Couplings Catalog for details.

### Safety Cables

Refer to page 224 of the Kuriyama Couplings Catalog for details.

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## T340AA/AH Series

### 270 PSI EPDM Braided Steam Hose Assemblies

#### GENERAL APPLICATIONS

- Saturated steam applications up to 270 PSI and 410°F
- Thawing and de-icing of outdoor pipes and other equipment during cold temperatures
- High pressure industrial equipment cleaning at refineries, processing plants and shipyards

#### CONSTRUCTION

**Tube** – Black, conductive EPDM.

**Reinforcement** – Single high tensile steel wire braid (1/2" Size), Two high tensile steel wire braids (3/4" to 3").

**Cover** – Red or black pin-pricked EPDM.

**Ends** – Crimped on male NPT x female ground joint with NPT spud.

#### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +410°F (+210°C)

#### FEATURES AND ADVANTAGES

- **Crimped on Fittings** – The preferred connection method. Reduces risk of leaks and blowouts versus bolt clamps, which require repeated tightening in order to maintain a tight seal.

#### VIEW ONLINE



SCAN FOR INFO

or visit

[KOA.link/  
Steam-Assemblies](https://koi.link/Steam-Assemblies)

Series Number	Color	ID (in)	(mm)	Max. Rec.* WP (psi)	Min. Bending Radius at 68°F (in)	Fitting Types	Length (ft)	Weight (lbs/each)
T340AA050MPMPX50	black	1/2	13	270	5	Male NPT x Male NPT	50	14.11
T340AA075GFGFX50	black	3/4	19	270	7 1/2	Female GJ x Female GJ	50	33.51
T340AA075GFMPX25	black	3/4	19	270	7 1/2	Male NPT x Female GJ	25	12.60
T340AH075GFMPX25	red	3/4	19	270	7 1/2	Male NPT x Female GJ	25	12.60
T340AA075GFMPX50	black	3/4	19	270	7 1/2	Male NPT x Female GJ	50	25.10
T340AH075GFMPX50	red	3/4	19	270	7 1/2	Male NPT x Female GJ	50	25.40
T340AA075MPMPX50	black	3/4	19	270	7 1/2	Male NPT x Male NPT	50	26.01
T340AA100GFGFX50	black	1	25	270	10	Female GJ x Female GJ	50	38.14
T340AA100GFMPX25	black	1	25	270	10	Male NPT x Female GJ	25	15.40
T340AH100GFMPX25	red	1	25	270	10	Male NPT x Female GJ	25	15.50
T340AA100GFNPX50	black	1	25	270	10	Male NPT x Female GJ	50	30.60
T340AH100GFMPX50	red	1	25	270	10	Male NPT x Female GJ	50	31.10
T340AA100MPMPX50	black	1	25	270	10	Male NPT x Male NPT	50	32.41
T340AA200GFMPX25	black	2	51	270	20	Male NPT x Female GJ	25	40.34
T340AA200GFMPX50	black	2	51	270	20	Male NPT x Female GJ	50	76.06

\*10:1 Safety Factor

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## WARNING

Handling steam is very hazardous. If it is not properly controlled it can cause property damage, injury or even death. Selection for the proper application, usage, and maintenance will not only increase hose life but will insure safe operation for the user.

## SELECTING AND USING STEAM HOSE

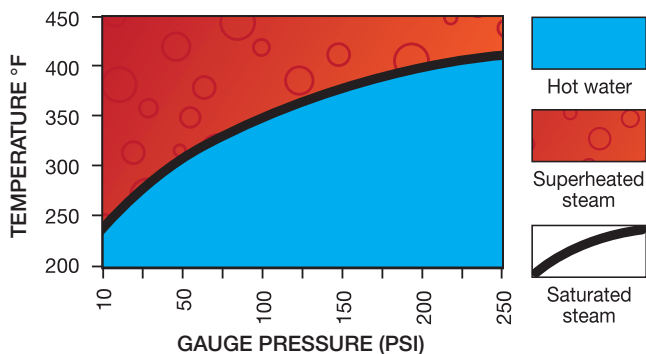
1. Make sure steam hose is identified as a steam hose. It should be branded as such, stating working pressure and temperature rating.
2. Make sure working pressure and temperature is not exceeded.
3. Do not allow hose to remain under pressure when not in use.
4. Avoid excess bending or flexing of hose near the coupling. Straight line operation is preferred. If bends are necessary as part of operation, spring guards may help.
5. Be sure and use recommended steam hose couplings and clamps on hose.

### MAINTENANCE OF STEAM HOSE

1. Periodic inspection of hose should include looking for cover blisters and lumps.
2. Check for kinked areas that could damage hose.
3. Drain hose after each use to avoid tube damage before hose is put back in operation, to avoid "popcorning" of the tube.
4. Check tightness of clamps bolts after each use.
5. Check to see if clamps halves are touching. If they are, recouple hose with smaller clamps to insure proper tightness or grip around hose.
6. Do not store hose over hooks.
7. Steam hose lying on metal racks or installed around steel piping will dry out the hose, causing tube and cover cracking.
8. For service in sub-zero application, use only T-341 chlorbutyl hose.

The chart represents the three forms of water when subjected to heat and pressure. Use only hoses specifically designed for the application.

Gauge Pressure (psi)	Temperature of Saturated Steam (°F)
10	239
25	267
50	298
75	320
100	338
125	353
150	366
175	377
200	388
225	397
250	406



Gauge Pressure		Temperature	
psi	bar	°F	°C
25	1.73	267	130
30	2.07	274	134
35	2.42	281	138
40	2.76	287	141
45	3.11	292	144
50	3.45	298	148
60	4.14	307	153
70	4.83	316	158
80	5.52	324	162
90	6.21	330	166
100	6.90	338	170
120	8.28	350	177
140	9.66	361	182
160	11.04	371	188
180	12.42	379	193
200	13.80	388	198
225	15.53	397	203
250	17.25	406	208
275	18.98	414	212
300	20.70	422	216
325	22.43	429	221
350	24.15	437	225

### CORROSIVE STEAM

When the water used to generate steam contains dissolved air, oxygen or carbon dioxide, then these gases end up as contaminants in the steam. At high temperatures of steam both oxygen and carbon dioxide are extremely corrosive.

Carbon dioxide is acidic and therefore attacks metals whereas the oxygen corrodes metals and oxidizes rubbers. Corrosion of metals in the presence of both oxygen and acids is forty times faster than with either alone. Boiler water is therefore normally treated not only to remove the "hardness" which would cause "furring" of the boiler but also to remove dissolved oxygen and carbon dioxide and to ensure that the steam is not only not acidic but even slightly alkaline. Boiler water treatment is a specialised subject beyond the scope of this technical sheet but correct steam generation is important.

### DETERIORATION OF STEAM HOSE

Like all rubber products steam hoses have a finite life and are subject to gradual deterioration with use. However, it sometimes happens that hoses which have been giving a good life suddenly start failing without apparent reason. In such cases it is often a change in the steam conditions causing a rapid acceleration of a normal failure mode. It is therefore useful to consider how steam hoses normally last and thus how the condition of the steam affects hose life.

(Reprinted from RMA IP-11-1 Steam Hose)

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# Cautionary Statement

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

## Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

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