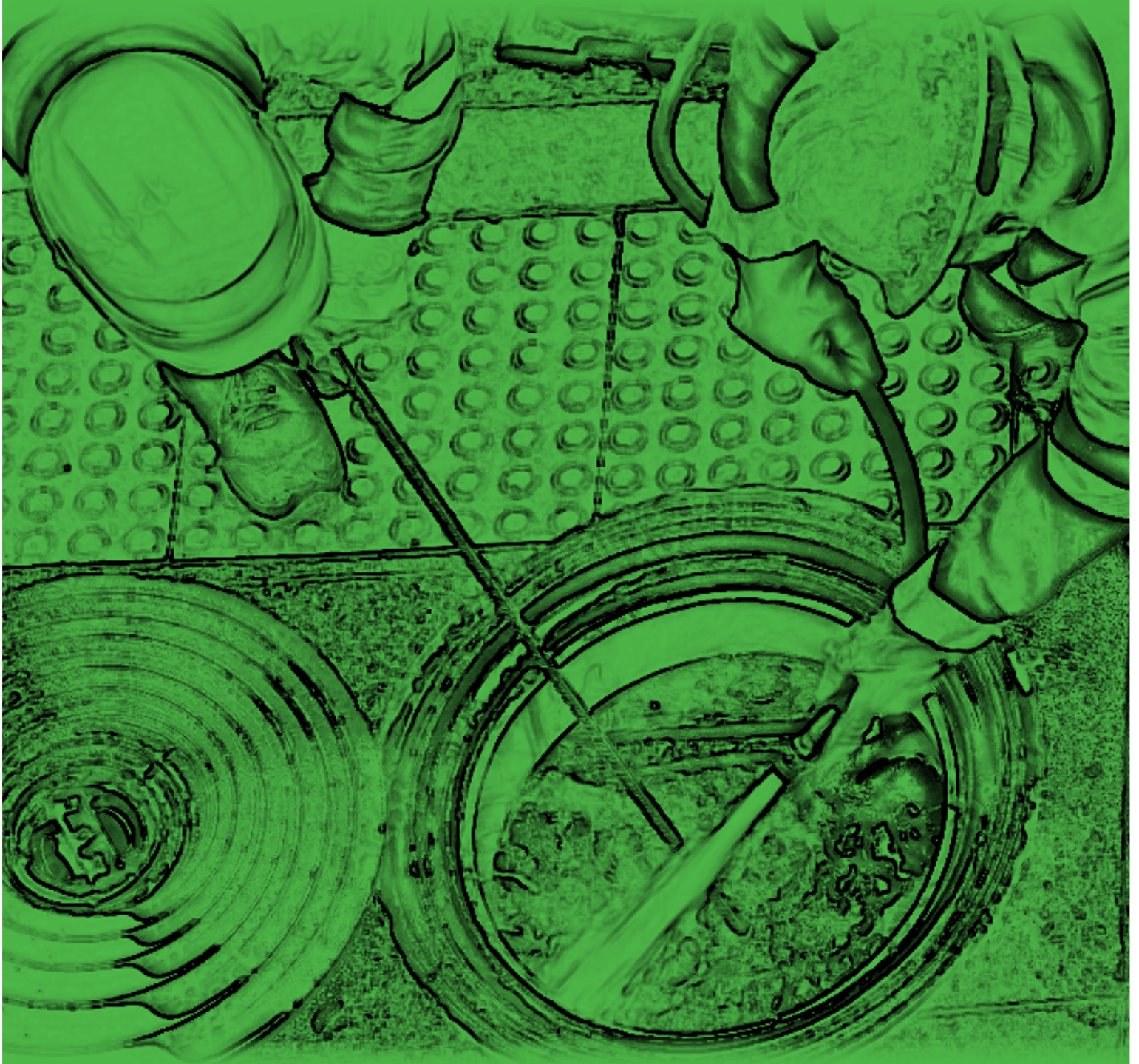


 **FORSAFLEX™**

HIGH PRESSURE CLEANING HOSE



www.forsaflex.com

High Pressure Cleaning



PRESSURE WASH HOSE

Tube: Black synthetic rubber
Reinforcement: One/two braids of high tensile steel wire
Cover: Smooth black, blue, gray (yellow – oil resistant) abrasion & weather resistant synthetic rubber
Packaging: 50',100' and reels
Application: Pressure wash equipment.

Part Number	Cover	Max Temp		Steam Service	ID in	OD in	Max WP psi	Min BR in	Weight lbs/ft	Coupling
		°F	°C							
PW4-06	Black	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4B-04	Blue	250	121	No	1/4	0.48	4,000	3.0	0.19	E
PW4B-06	Blue	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4G-06	Gray	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW4Y-06	Yellow	250	121	No	3/8	0.61	4,000	4.0	0.24	E
PW6-06	Black	250	121	No	3/8	0.67	6,000	6.0	0.39	E
PW6B-06	Blue	250	121	No	3/8	0.67	6,000	6.0	0.39	E
PW6G-06	Gray	250	121	No	3/8	0.67	6,000	6.0	0.39	E

PW PRESSURE WASH ASSEMBLIES



Part Number	Cover	Max Temp		Steam Service	ID in	Length	Max WP psi	Fitting A	Fitting B
		°F	°C						
PW4-06MMS50	Black	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4-06MMS75	Black	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4-06MMS100	Black	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS50	Blue	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS75	Blue	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4B-06MMS100	Blue	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS50	Yellow	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS75	Yellow	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4Y-06MMS100	Yellow	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS50	Gray	250	121	No	3/8	50'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS75	Gray	250	121	No	3/8	75'	4,000	NPT-Solid	NPT-Swivel
PW4G-06MMS100	Gray	250	121	No	3/8	100'	4,000	NPT-Solid	NPT-Swivel
PW6-06MMS50	Black	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6-06MMS75	Black	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6-06MMS100	Black	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS50	Blue	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS75	Blue	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6B-06MMS100	Blue	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS50	Gray	250	121	No	3/8	50'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS75	Gray	250	121	No	3/8	75'	6,000	NPT-Solid	NPT-Swivel
PW6G-06MMS100	Gray	250	121	No	3/8	100'	6,000	NPT-Solid	NPT-Swivel

High Pressure Cleaning

SK20 STEAM CLEANER/PRESSURE WASH HOSE



- Tube:** Black synthetic rubber
- Reinforcement:** Two braids of high tensile steel wire
- Cover:** Smooth black oil and abrasion resistant synthetic rubber
- Packaging:** Packaging: Reels
- Application:** Is used on either steam cleaner machines or combination steam cleaner/pressure wash machines.

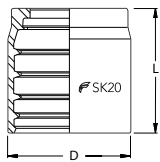
STEAM SERVICE - UP TO 325°F (163°C)

Part Number	ID		OD		Max WP	Min BR		Weight	Two Piece Ferrule	Two Piece Insert
	in	mm	in	mm	psi	in	mm	lbs/ft		
SK20-06	3/8	14.8	0.58	14.8	350	4.0	101.6	0.28	SK20-06F	SK06-06MP
SK20-08	1/2	20.4	0.80	20.4	350	4.5	114.3	0.35	SK20-08F	SK08-08MP

WATER SERVICE - UP TO 250°F (121°C)

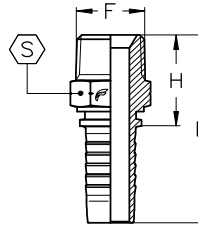
Part Number	ID		OD		Max WP	Min BR		Weight	Two Piece Ferrule	Two Piece Insert
	in	mm	in	mm	psi	in	mm	lbs/ft		
SK20-06	3/8	14.8	0.58	14.8	6,000	4.0	101.6	0.28	SK20-06F	SK06-06MP
SK20-08	1/2	20.4	0.80	20.4	6,000	4.5	114.3	0.35	SK20-08F	SK08-08MP

SK20 NO SKIVE FERRULE



Part Number	ID	D	L
	in	mm	mm
SK20-06F	3/8	25.0	28.0
SK20-08F	1/2	28.0	28.0

SK20 TWO PIECE INSERT



Part Number	ID	F	H	
	in		mm	in
SK06-06MP	3/8	3/8 - 18	28.6	1.12
SK08-08MP	1/2	1/2 - 14	35.0	1.38

SK20 - STEAM CLEANER ASSEMBLY

Part Number	ID	Length	Fitting A	Fitting B
	in			
SK20-06MM50	3/8	50	NPT-Solid	NPT-Solid
SK20-06MM100	3/8	100	NPT-Solid	NPT-Solid
SK20-08MM50	1/2	50	NPT-Solid	NPT-Solid
SK20-08MM100	1/2	100	NPT-Solid	NPT-Solid

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High Pressure Cleaning



WBD WATERBLAST HOSE

Tube: Black synthetic rubber
Reinforcement: Four spiral wire
Cover: Black abrasion and weather resistant rubber
Temperature: -30°C to +70°C (-22°F to +158°F)
Application: Very high pressure water blasting.

Branding: WBD15-08 1/2" WATERBLAST 16000 PSI MAX WP

Part Number						
	ID	OD		Max WP	Min BR	Weight
	in	in	mm	psi	in	lbs/ft
WBD10-08	1/2	0.97	24.6	10,000	8.0	0.61
WBD10-12	3/4	1.27	32.2	10,000	8.3	0.98
WBD10-16	1	1.53	38.9	10,000	12.6	1.34
WBD15-06	3/8	0.84	21.4	18,000	6.0	0.58
WBD15-08	1/2	1.00	25.4	16,000	8.0	0.76
WBD15-12	3/4	1.26	32.0	14,500	11.0	1.14
WBD20-08	1/2	1.16	29.5	20,000	8.0	0.97



Part Number	ID	Max WP	Length	Fitting
	in	psi	feet	
WBD10-08MM25	1/2	10,000	25	Male NPT
WBD10-08MM50	1/2	10,000	50	Male NPT
WBD15-06MM6	3/8	18,000	6	Male NPT
WBD15-06MM10	3/8	18,000	10	Male NPT
WBD15-06MM25	3/8	18,000	25	Male NPT
WBD15-06MM50	3/8	18,000	50	Male NPT
WBD15-06MM100	3/8	18,000	100	Male NPT
WBD15-08MM6	1/2	16,000	6	Male NPT
WBD15-08MM10	1/2	16,000	10	Male NPT
WBD15-08MM25	1/2	16,000	25	Male NPT
WBD15-08MM50	1/2	16,000	50	Male NPT
WBD15-08MM100	1/2	16,000	100	Male NPT
WBD15-12MM25	3/4	14,500	25	Male NPT
WBD15-12MM50	3/4	14,500	50	Male NPT
WBD15-12MM100	3/4	14,500	100	Male NPT
WBD10-16MM25	1	10,000	25	Male NPT
WBD10-16MM50	1	10,000	50	Male NPT
WBD10-16MM100	1	10,000	100	Male NPT
WBD15-08EE50	1/2	16,000	50	F - Metric
WBD20-08EE50	1/2	20,000	50	F - Metric

*All Waterblast hose is tested and sold as factory assemblies only.
 Other lengths available. Consult factory.

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QWB - WATERBLAST COUPLING

Application: Waterblast
Interchangeability: Dixon EA, Parker WB, Aeroquip FD69, Snap-Tite 56
Temperature Range: -40°C to +70°C (-40°F to +158°F)



Part Number	Size	Thread Size	Max WP	Material	Locking Method
			psi		
QWBC86FP	1/2"	3/8" F - NPT	10,000	Steel	Ball Bearing
QWBC88FP	1/2"	1/2" F - NPT	10,000	Steel	Ball Bearing



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWBN86FP	1/2"	3/8" F - NPT	10,000	Steel
QWBN88FP	1/2"	1/2" F - NPT	10,000	Steel

QWS - WATERBLAST SCREW TO CONNECT

Application: Waterblast
Interchangeability: Dixon 4TDF4-SS, Spirstar, CQD, DNP CRS
Temperature Range: -40°C to +70°C (-40°F to +158°F)



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWSC86FP-S6	1/2"	3/8" F - NPT	15,000	316 Stainless
QWSC88FP-S6	1/2"	1/2" F - NPT	15,000	316 Stainless



Part Number	Size	Thread Size	Max WP	Material
			psi	
QWSN86FP-S6	1/2"	3/8" F - NPT	15,000	316 Stainless
QWSN88FP-S6	1/2"	1/2" F - NPT	15,000	316 Stainless






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High Pressure Cleaning






SEWER CLEANING HOSE



Tube: Yellow olefin
Reinforcement: Synthetic fiber
Cover: Polyurethane - orange for 2500 psi, blue for 3000 psi, green for 4,000 psi, red for 5,000 psi.
Temperature: -40°C to +71°C (-40°F to +160°F)
Packaging: Coils
Application: Sewer Cleaning hose is constructed from materials selected to provide rugged and reliable service under the most severe and demanding conditions found in high pressure sewer cleaning.

Part Number	Cover							Standard Pack
		in	in	mm	psi	in	lbs/ft	
SCH-2500-16-500	Orange	1	1.46	37.0	2,500	6.0	0.40	500' - Roll
SCH-2500-16-600	Orange	1	1.46	37.0	2,500	6.0	0.40	600' - Roll
SCH-2500-16-800	Orange	1	1.46	37.0	2,500	6.0	0.40	800' - Roll
SCH-3000-16-500	Blue	1	1.46	37.0	3,000	8.0	0.41	500' - Roll
SCH-3000-16-600	Blue	1	1.46	37.0	3,000	8.0	0.41	600' - Roll

Factory Crimped with Male NPT each end

Part Number	Cover							Standard Pack
		in	in	mm	psi	in	lbs/ft	
SLGR-02	Green	1/8	0.32	8.1	4,000	1.3	0.04	Coil
SLGR-03	Green	3/16	0.41	10.4	4,000	1.8	0.05	Coil
SLGR-04	Green	1/4	0.50	12.7	4,000	2.5	0.06	Coil
SLGR-06	Green	3/8	0.65	16.5	4,000	3.0	0.11	Coil
SLGR-08	Green	1/2	0.83	21	4,000	4.0	0.16	Coil
SLRD-04	Red	1/4	0.50	12.2	5,000	2.5	0.05	Coil
SLRD-06	Red	3/8	0.65	16.5	5,000	3.0	0.13	Coil

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SH10 EPDM STEAM HOSE - BOLT CLAMPS

Tube: Black smooth EPDM
Reinforcement: Steel wire braids
Cover: Red EPDM wrapped finish
Temperature: -40°C to +210°C (-40°F to +410°F) / saturated steam
Application: Designed to convey saturated steam and hot water

Branding: SH10-100 1" EPDM STEAM HOSE 250 PSI MAX WP
 210°C (410°F) - DRAIN AFTER USE

⚠ WARNING!

• Super heated steam considerably shortens the service life of the hose.

Part Number	Cover	ID		OD		Max WP	Min BR	Weight	Standard Pack
		in	mm	in	mm	psi	in	lbs/ft	
SH10R-075	Red	3/4	19.0	1.25	31.0	250	4.4	0.44	50-100' Coils
SH10R-100	Red	1	25.4	1.50	38.0	250	6.7	0.77	50-100' Coils
SH10R-200	Red	2	50.8	2.64	67.0	250	11.8	1.44	50-100' Coils



SH15 EPDM STEAM HOSE - CRIMP FITTINGS

Tube: Black smooth EPDM
Reinforcement: Steel wire braids
Cover: Red/Black EPDM wrapped finish
Temperature: -40°C to +232°C (-40°F to +450°F) / saturated steam
Application: Designed to convey saturated steam and hot water

⚠ WARNING!

• Super heated steam considerably shortens the service life of the hose.

Part Number	Cover	ID		OD		Max WP	Min BR	Weight	Standard Pack
		in	mm	in	mm	psi	in	lbs/ft	
SH15R-075	Red	3/4	19.0	1.78	32.5	250	4.4	0.56	50-100' Coils
SH15R-100	Red	1	25.4	1.63	41.4	250	6.7	0.91	50-100' Coils
SH15B-075	Black	3/4	19.0	1.78	32.5	250	4.4	0.56	50-100' Coils
SH15B-100	Black	1	25.4	1.63	41.4	250	6.7	0.91	50-100' Coils



MALE NPTF - CRIMP

Part Number	Size
IMS-3V	3/4"
IMS-4V	1"



FEMALE GROUND JOINT - CRIMP

Part Number	Size
RGJS-3V	3/4"
RGJS-4V	1"

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STEAM HOSE SAFETY RECOMMENDATIONS

Handling steam is a very hazardous situation. Using care and some safety precautions can minimize or eliminate personal or property damage.

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 excessive 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 and bolts after each use.
5. Check to see if clamp halves are touching. If they are, recouple hose with smaller clamps to ensure proper tightness or grip around hose.
6. Do not store hose over hooks.
7. Steam hose laying on metal racks or installed around steel piping will dry out the hose, causing tube and cover cracking.

Corrosive Hose

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 could cause "furring" of the boiler, but also to remove dissolved oxygen and carbon dioxide and to ensure that the steam is not only non-acidic, but even slightly alkaline. Boiler water treatment is a specialized 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 affects hose life.

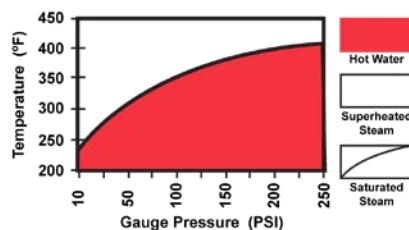
Reprinted from ARPM-11-1 Steam Hose.

SELECTING AND USING STEAM HOSE

Gauge PSI	Pressure Bar	Temperature	
		°C	°F
25	1.23	130	267
30	2.07	134	274
35	2.42	138	281
40	2.76	141	287
45	3.11	144	292
50	3.45	148	298
60	4.14	153	307
70	4.83	158	316
80	5.52	162	324
90	6.21	166	330
100	6.90	170	338
120	8.28	177	350
140	9.66	182	351
160	11.04	188	371
180	12.42	193	379
200	13.80	198	388
225	15.53	203	397
250	17.25	208	406
275	18.98	212	414
300	20.70	216	422
325	22.43	221	429
350	24.15	225	437

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



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