

Data center liquid cooling

Hoses and fittings



Hoses and fittings

The role of data center hoses and fittings

Hoses and fittings are the arteries of a liquid cooling system. They are responsible for transporting the coolant to and from the various components, and they must be able to withstand the high pressures and temperatures involved.



Hoses:

Data center hoses are typically made from materials that are resistant to kinking, chemicals, and high temperatures. They come in a variety of sizes and colors to suit different applications.



Fittings:

Fittings are used to connect the hoses to the other components in the system, such as the servers, chillers, and pumps. They are available in stainless steel, and come in various configurations.

Key features and benefits

When choosing hoses and fittings for a data center, it's important to look for the following features:



No-leak, no-drip designs:

This is essential to prevent damage to the sensitive electronic equipment.



High flow and low pressure drop:

This ensures that the coolant can circulate freely and efficiently.



Material compatibility:

Designed for compatibility with a wide range of cooling fluids, with a material selection that minimizes corrosion and ozone-related degradation to ensure long-term reliability and durability.



Industry-leading specifications:

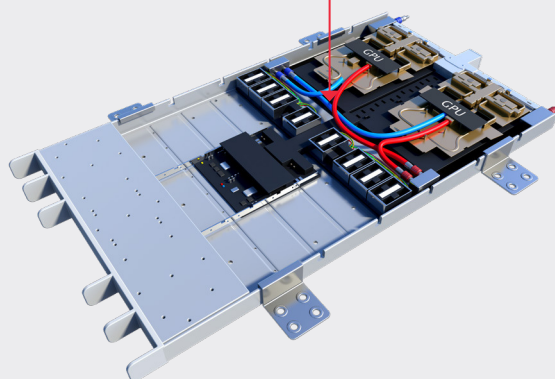
Tested to meet the most stringent requirements for safety, reliability, and performance of a data center.

Data center applications



Source line

Aeroquip™ by Danfoss
DataCryo EHW194 EPDM hose
and DataCryo DC394 hose



Rack solutions

Aeroquip™ by Danfoss
DataCryo EHW194 EPDM hose



Two-phase applications

Aeroquip® by Danfoss DataCryo
DC001 and DC005 hoses

Aeroquip® by Danfoss

DataCryo EHW194 hose

Liquid cooling is an innovative technique using water as a cooling medium to help keep computer processor temperatures low in data center applications. Danfoss designed DataCryo EHW194 hose with this emerging technology in mind.

UL 94 V-0 rated and offering superior flexibility and kink resistance, this hose was designed to maneuver in tight spaces to simplify installation and maintenance. Offered in a variety of sizes and colors, with approved Danfoss fittings—we have made it easy to emerge into this new market.



Features

- UL94 V-0 flame resistance rated cover
- Zinc and calcium free peroxide-cured EPDM tube
- Low coefficient of friction for improved pressure drop and overall liquid cooling system efficiency
- Multiple color offerings for easy identification of supply and return lines

Markets/Applications

- Data centers
- Electronic component cooling
- Cryptocurrency mining
- IT thermal management

Order Fulfillment

- Made to Stock



Aeroquip® by Danfoss

DataCryo EHW194 hose

Part Number	Order Number	Colour	Hose I.D.		Hose O.D.		Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	m	ft
EHW194TW-04	12026510	Blue	6.4	0.25	13.0	0.51	10.5	150	42	600	25	0.98	0.16	0.11	76.2	250
	12055014	Red														
	12013458	Black														
EHW194TW-06	12026512	Blue	9.5	0.37	16.0	0.63	10.5	150	42	600	35	1.38	0.18	0.12	76.2	250
	12055016	Red														
	12008699	Black														
EHW194-08	EHW194-08BURL	Blue	12.7	0.50	22.0	0.87	10.5	150	42	600	75	2.95	0.36	0.24	76.2	250
	EHW194-08RDRL	Red														
	EHW194-08BKRL	Black														
EHW194-10	EHW194-10BURL	Blue	15.9	0.63	25.2	0.99	10.5	150	42	600	100	3.94	0.43	0.29	76.2	250
	EHW194-10RDRL	Red														
	EHW194-10BKRL	Black														
EHW194-12	EHW194-12BURL	Blue	19.0	0.75	29.7	1.17	10.5	150	42	600	125	4.92	0.56	0.38	76.2	250
	EHW194-12RDRL	Red														
	EHW194-12BKRL	Black														
EHW194-16	EHW194-16BURL	Blue*	25.4	1.00	36.5	1.44	10.5	150	42	600	150	5.91	0.75	0.50	76.2	250
	EHW194-16RDRL	Red*														
	EHW194-16BKRL	Gray*														

* Hose colour is black with layline colour as indicated

Construction		Max/Min Intermittent Operating Temperature		Qualified connections	
Tube	Peroxide-cured, zinc free, synthetic EPDM rubber	-40°C to +140°C (-40°F to +284°F)		• Danfoss 7G crimp fittings • Danfoss 100B socketless fittings • Danfoss Hansen UQD • Danfoss Hansen FD83 crimp	
Reinforcement	2 -ply textile	Certifications			
		UL 94 V-0			
Cover	Fire retardant, Peroxide-cure Synthetic EPDM Rubber	Exceeds ASTM E84 Class 1/A Requirements		Data center applications • Source line solutions • Inner rack solutions	
Colors	Black (BK), Blue (BU), Red (RD)	Packaging			
100% Sulfur free construction		76.2m (250 ft.) Reel			

Aeroquip® by Danfoss

DataCryo EHW194 hose

Part Number	Order Number	Colour	Hose I.D.		Hose O.D.		Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		Length	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft	m	ft
EHW194-20	11354729	Blue*	32.0	1.25	44	1.73	10.5	150	42	600	80	3.2	1.05	0.71	61	200
	11354843	Red*														
EHW194-24	11354800	Blue*	38.0	1.50	50	1.97	10.5	150	42	600	90	3.5	1.21	0.81	61	200
	11354845	Red*														
EHW194-32	11354938	Blue*	50.8	2.00	64	2.52	10.5	150	42	600	120	4.7	1.75	1.18	61	200
	11354972	Red*														

* Hose colour is black with layline colour as indicated

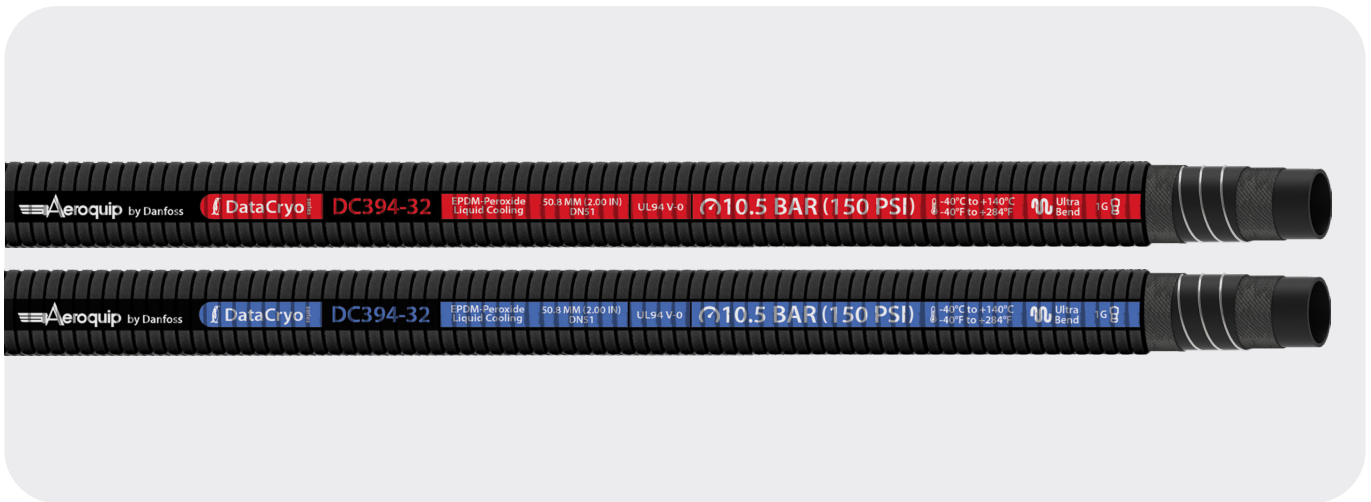
Construction		Max/Min Intermittent Operating Temperature		Qualified connections	
Tube	Peroxide-cured, zinc free, synthetic EPDM rubber	-40°C to +140°C (-40°F to +284°F)		• Danfoss 7G crimp fittings • Danfoss Hansen FD83 hose barb couplings • Danfoss Hansen FD83 crimp	
Reinforcement	2 -ply textile 1 helical wire	Certifications UL 94 V-0 rated			
Cover	Fire retardant, Peroxide-cure Synthetic EPDM Rubber	Packaging		Data center applications	
Colors	Blue, Red (Layline)	61m (200ft.) coil		• Source line solutions • Inner rack solutions	
100% Sulfur free construction					

Aeroquip® by Danfoss

DataCryo DC394 hose

As data centers evolve to handle increasing processing demands, liquid cooling is the innovative solution for maintaining optimal processor temperatures. The Aeroquip by Danfoss DataCryo DC394 hose is an advanced EPDM solution designed for the safety and ease of use required by these emerging applications.

Engineered for modern data center environments, DC394 is an ultra-flexible source line hose that enables easy installation and ensures leak-free coolant delivery to server racks.



Features

- UL94 V-0 flame resistance rated cover
- Zinc and calcium free peroxide-cured EPDM tube
- Low coefficient of friction for improved pressure drop and overall liquid cooling system efficiency
- Best-in-class bending radius and lowest force to bend for improved flexibility and easy installation
- Halogen-free rubber formulation that reduces corrosion risk while supporting environmental sustainability

Markets/Applications

- Data centers
- Electronic component cooling
- Cryptocurrency mining
- IT thermal management

Order Fulfillment

- Made to Stock



Aeroquip® by Danfoss

DataCryo DC394 hose

Part Number	Order Number	Colour	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum Service		Weight	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kPa	psi	kg/m	lbs/ft
DC394-16	DC394-16BU	Blue*	25.4	1	36.0	1.42	10.5	150	42	600	15	0.59	94.8	28	0.65	0.44
	DC394-16RD	Red*														
DC394-20	DC394-20BU	Blue*	31.8	1.25	43.0	1.69	10.5	150	42	600	25	0.98	94.8	28	0.81	0.54
	DC394-20RD	Red*														
DC394-24	DC394-24BU	Blue*	38.1	1.5	49.0	1.93	10.5	150	42	600	35	1.38	94.8	28	1.05	0.71
	DC394-24RD	Red*														
DC394-32	DC394-32BU	Blue*	50.8	2	64.0	2.52	10.5	150	42	600	50	1.97	94.8	28	1.55	1.04
	DC394-32RD	Red*														
DC394-40	DC394-40BU	Blue*	63.5	2.5	76.0	2.99	10.5	150	42	600	60	2.36	94.8	28	1.78	1.20
	DC394-40RD	Red*														
DC394-48	DC394-48BU	Blue*	76.2	3	90.0	3.54	10.5	150	42	600	70	2.76	94.8	28	2.40	1.61
	DC394-48RD	Red*														
DC394-64	DC394-64BU	Blue*	101.6	4	118.0	4.65	10.5	150	42	600	100	3.94	94.8	28	3.60	2.42
	DC394-64RD	Red*														

*Hose colour is black with layline colour as indicated

Construction		Max/Min Intermittent Operating Temperature		Qualified connections	
Tube	Peroxide-cured, zinc and calcium free, synthetic EPDM rubber	-40°C to +140°C (-40°F to +284°F)		• Danfoss 7G crimp fittings • Danfoss Hansen FD83 crimp	
Reinforcement	Textile fabric with steel wire helix	Certifications		Data center applications	
Cover	Fire retardant, channelled EPDM-P Rubber	UL 94 V-0		• Source line solutions	
Colors	Black with blue and red laylines	Packaging			
100% Sulfur free construction		61m (200 ft.) Coil			

Aeroquip® by Danfoss

DataCryo EHW094 hose

Aeroquip® by Danfoss EHW094 brings you a liquid cooling solution built to increase performance, enhance energy efficiency, minimize downtime, and ultimately maximize your cost savings. Emperor is the first of its kind thermoplastic, fire retardant solution to enter the liquid cooling market.

Manufactured with versatility and innovative markets in mind, this hose is designed to enhance heat transfer, ensuring peak efficiency, even in the most demanding conditions. Meeting the highest level of flame rating available (UL 94 V-0) and non-conductive construction (25K+ volts dielectric strength) this hose delivers for both performance & reliability. Construction has lower “force to bend” and is resilient to constant flexing for longer life.



Features

- UL 94 V-0 rated
- 25% lower force to bend compared to our EPDM solution. Lower force to bend reduces side load for fittings, QDCs for easier installation and maintenance.
- Lower cost compounds used while still meeting customer requirements (compared to silicone and PTFE materials).
- Construction resilient to constant flexing for longer life in application and reduced maintenance.
- Non-conductive construction provides added safety in high voltage environment.
- 15% lower weight (compared to a leading competitor's rubber hose) which reduces load on robotic arms and other motion devices.

Order Fulfillment

- Made to Stock

Markets/Applications

- Data centers
- Electronic component cooling
- Cryptocurrency mining
- IT thermal management



Aeroquip® by Danfoss

DataCryo EHW094 hose

Part Number	Order Number	Colour	Hose I.D.		Hose O.D.		Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight	
			mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EHW094-04	EHW094-04BK-250RC	Black	6.4	0.25	12.7	0.50	14.0	203	55.1	800	38.1	1.05	0.10	0.068
	EHW094-04BU-250RC	Blue												
	EHW094-04RD-250RC	Red												
EHW094-06	EHW094-06BK-250RC	Black	9.5	0.38	16.1	0.63	14.0	203	55.1	800	50.8	2.00	0.14	0.095
	EHW094-06BU-250RC	Blue												
	EHW094-06RD-250RC	Red												
EHW094-08	EHW094-08BK-250RC	Black	12.7	0.50	17.6	0.73	14.0	203	55.1	800	63.5	2.50	0.20	0.136
	EHW094-08BU-250RC	Blue												
	EHW094-08RD-250RC	Red												
EHW094-10	EHW094-10BK-250RC	Black	16.1	0.63	23.4	0.92	10.0	150	41.3	600	76.2	3.00	0.25	0.168
	EHW094-10BU-250RC	Blue												
	EHW094-10RD-250RC	Red												
EHW094-12	EHW094-12BK-250RC	Black	19.1	0.75	26.7	1.05	10.0	150	41.3	600	100.0	4.00	0.31	0.207
	EHW094-12BU-250RC	Blue												
	EHW094-12RD-250RC	Red												
EHW094-16	EHW094-16BK-250RC	Black	25.4	1.00	33.8	1.33	10.0	150	41.3	600	150.0	6.00	0.40	0.267
	EHW094-16BU-250RC	Blue												
	EHW094-16RD-250RC	Red												

Construction	
Tube	TPU
Reinforcement	Polyester braid, non-conductive
Cover	Flexible, fire retardant TPU

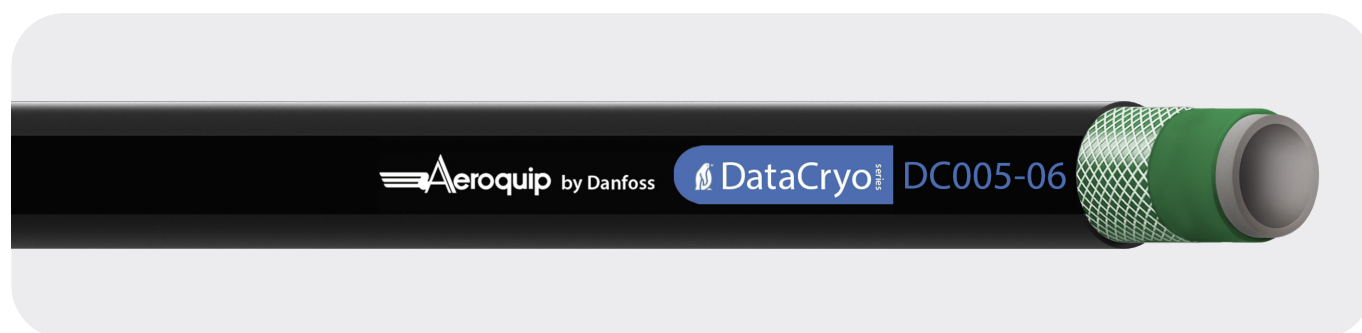
Operating Temperature
-30°C to +100°C (-22°F to +212°F)
Certifications
UL 94 V-0 rated
Packaging
76.0 m (250 ft.) reels

Type of couplings
- Danfoss 7G crimp - Danfoss 100B socketless - Danfoss Quick disconnect couplings
Data center applications
- Source line solutions - Inner rack solutions

Aeroquip® by Danfoss

DataCryo DC005 hose

Available on Request Only



Part Number	Hose I.D.			Hose O.D.		Max. Operating Pressure		Min. Burst Pressure		Minimum Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
DC005-06	8	8.13	0.32	13.51	0.53	26	375	103	1500	50.8	2.00	0.77	0.52
DC005-08	10	10.7	0.42	16.05	0.63	26	375	103	1500	63.5	2.50	0.97	0.65

Construction		Temperature range		Fitting reference	
Tube	Thermoplastic dual-layered	-30°C to + 90°C (-22°F to + 194°F)		• EZ Clip fittings • Flat Crimp Fittings	
Reinforcement	1 textile braid				
Cover	Thermoplastic	Certifications & compliances		Data center applications	
		• Exceeds SAE J3062 (Type G) / J3143 • Exceeds SAE J2064		• Two-phase liquid cooling	



Thermoformable

Ability to form the tube based on routing design

Aeroquip® by Danfoss

DataCryo DC001 hose

Available on Request Only



Part Number	Hose I.D.			Hose O.D.		Working Pressure		Min. Burst Pressure		Bend Radius		Weight	
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
DC001-04	5	5.1	0.20	11.5	0.45	35	500	140	2000	38.1	1.50	0.10	0.07
DC001-06	5	8.1	0.32	15.2	0.60	35	500	140	2000	50.0	2.00	0.15	0.10
DC001-08	10	10.7	0.42	18.3	0.72	35	500	140	2000	63.0	2.50	0.21	0.14
DC001-10	12	13.2	0.52	20.7	0.81	35	500	140	2000	76.2	3.00	0.22	0.15
DC001-12	16	16.5	0.65	25.1	0.99	35	500	140	2000	101.6	4.00	0.34	0.23
DC001-16	19	22.9	0.90	31.4	1.24	35	500	140	2000	177.8	7.00	0.37	0.25

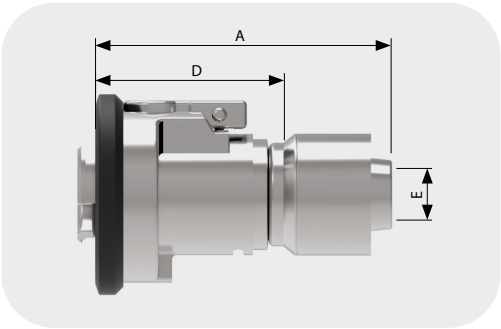
Construction	
Tube	Dual Nylon Veneer
Reinforcement	1 textile braid
Cover	EPDM

Temperature range
-40°C to +140°C (-40°F to + 284°F)
Industry Specification
• Exceeds SAE 3062 (Type E), SAE J2064

Qualified Fitting
• EZ Clip fittings • Factory Crimp Fittings
Data center applications
• Two-phase liquid cooling

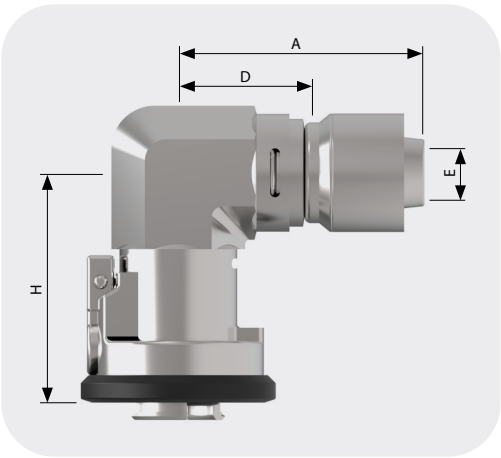
FD83 7G

FD83 7G crimp



Part Number	Order Number	Hose Size	Terminal End	A		D		E	
				mm	in	mm	in	mm	in
FD83-2170-16-16	11367142	1.00" (-16)	1.00" (-16)	102.0	4.02	67.6	2.66	20.7	0.81
FD83-2170-32-32	11367130	2.00" (-32)	2.00" (-32)	148.8	5.86	94.9	3.74	44.0	1.73

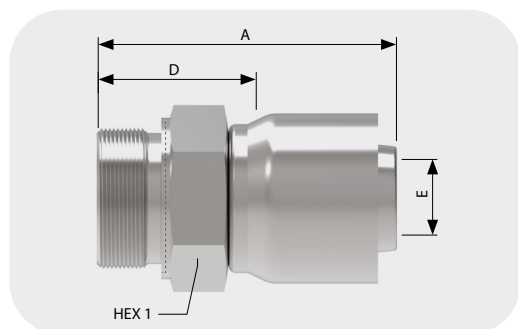
FD83 7G crimp - 90 ° elbow



Part Number	Order Number	Hose Size	Terminal End	A		D		E		H	
				mm	in	mm	in	mm	in	mm	in
FD83-2168-16-16	11367128	1.00" (-16)	1.00" (-16)	87.2	3.43	52.8	2.08	20.7	0.81	81.2	3.20
FD83-2168-32-32	11367129	2.00" (-32)	2.00" (-32)	165.7	6.52	112.0	4.41	44.0	1.73	120.8	4.76

BSPP Male

BSPP Male Fittings, ISO 1179-2

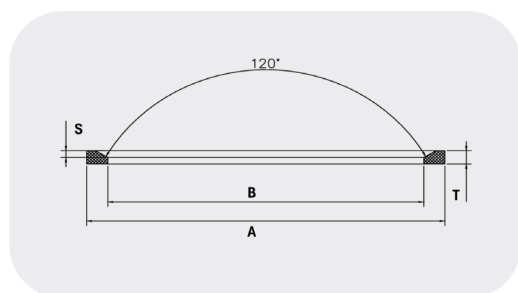


Part Number	Order Number	Hose Size	Terminal End	A		D		E		Hex 1	
				mm	in	mm	in	mm	in	mm	in
7G16BK16C	11360854	1.00" (-16)	G 1" - 11	79.7	3.14	45.2	1.78	20.7	0.81	41.0	1.61
7G20BK16C	11376462	1.00" (-16)	G 1.25" - 11	77.6	3.06	43.0	1.69	20.7	0.81	50.0	1.97
7G24BK16C	11376453	1.00" (-16)	G 1.50" - 11	81.1	3.19	47.0	1.85	20.7	0.81	55.0	2.17
7G20BK20C	11364813	1.25" (-20)	G 1.25" - 11	95.3	3.75	51.2	2.02	26.6	1.05	50.0	1.97
7G16BK24C	11419896	1.50" (-24)	G 1" - 11	96.7	3.81	50.4	1.98	32.0	1.26	50.0	1.97
7G24BK24C	11364814	1.50" (-24)	G 1.50" - 11	102.2	4.02	55.9	2.20	32.0	1.26	55.0	2.17
7G20BK32C	11376454	2.00" (-32)	G 1.25" - 11	116.7	4.59	49.9	1.96	44.0	1.73	65.0	2.56
7G24BK32C	11376455	2.00" (-32)	G 1.50" - 11	116.7	4.59	56.7	2.23	44.0	1.73	65.0	2.56
7G32BK32C	11360849	2.00" (-32)	G 2" - 11	116.0	4.57	62.3	2.45	44.0	1.73	75.0	2.95

Note: Seal sold separately, see below

BSPP Male Seal

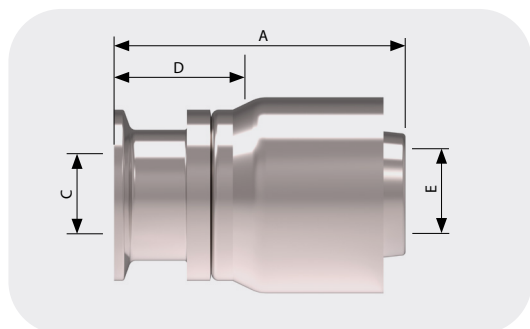
Built from peroxide-cured EPDM. Meets IEC 62368-1 G.15.2.3.



Part Number	Terminal End	A		B		S		T	
		mm	in	mm	in	mm	in	mm	in
FF91776	G 1" - 11	35.7	1.41	29.7	1.17	1.0	0.04	2.0	0.08
12023854	G 1.25" - 11	45.8	1.80	38.8	1.53	1.0	0.04	2.0	0.08
11373978	G 1.50" - 11	50.7	2.00	44.7	1.76	1.0	0.04	2.0	0.08
12023845	G 2" - 11	66.5	2.62	56.5	2.22	2.0	0.08	4.0	0.16

Sanitary Flange

Sanitary Flange Fittings, ISO 2852

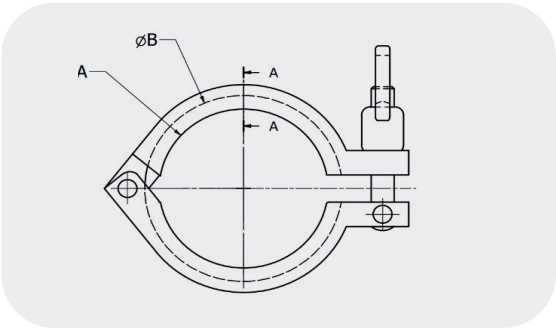


Part Number	Order Number	Hose Size	Terminal End	A		D		E		C	
				mm	in	mm	in	mm	in	mm	in
7G16SF16C	11360818	1.00" (-16)	1.00" (50.5mm)	71.8	2.83	37.4	1.47	20.7	0.81	22.6	0.89
7G20SF16C	11376449	1.00" (-16)	1.25" (50.5mm)	69.3	2.73	34.9	1.37	20.7	0.81	31.3	1.23
7G24SF16C	11376426	1.00" (-16)	1.50" (50.5mm)	68.0	2.68	33.6	1.32	20.7	0.81	35.6	1.40
7G20SF20C	11354326	1.25" (-20)	1.25" (50.5mm)	82.6	3.25	38.6	1.52	26.6	1.05	31.3	1.23
7G16SF24C	11420182	1.50" (-24)	1.00" (50.5mm)	87.0	3.43	40.7	1.60	32.0	1.26	22.6	0.89
7G24SF24C	11354328	1.50" (-24)	1.50" (50.5mm)	86.0	3.39	39.7	1.56	32.0	1.26	35.6	1.40
7G32SF24C	11420174	1.50" (-24)	2.00" (64.0mm)	84.3	3.32	38.0	1.50	32.0	1.26	48.6	1.91
7G20SF32C	11376419	2.00" (-32)	1.25" (50.5mm)	93.5	3.68	39.8	1.57	44.0	1.73	31.3	1.23
7G24SF32C	11376450	2.00" (-32)	1.50" (50.5mm)	90.0	3.54	36.8	1.45	44.0	1.73	35.6	1.40
7G32SF32C	11350856	2.00" (-32)	2.00" (64.0mm)	93.5	3.68	39.8	1.57	44.0	1.73	48.6	1.91
7S32SF40C*	11423952	2.50" (-40)	2.00" (64.0mm)	103.1	4.06	39.4	1.55	57.2	2.25	48.6	1.91
7S40SF40C*	11416237	2.50" (-40)	2.50" (77.5mm)	103.1	4.06	39.4	1.55	57.2	2.25	60.3	2.37
7S48SF48C*	11416243	3.00" (-48)	3.00" (91.0mm)	118.1	4.65	39.4	1.55	69.9	2.75	72.9	2.87
7S64SF64C*	11416245	4.00" (-64)	4.00" (119.0mm)	128.9	5.07	39.4	1.55	95.3	3.75	97.6	3.84

*7G socket sold separately, see page 17

Tri-Clamps

Tri-Clamps

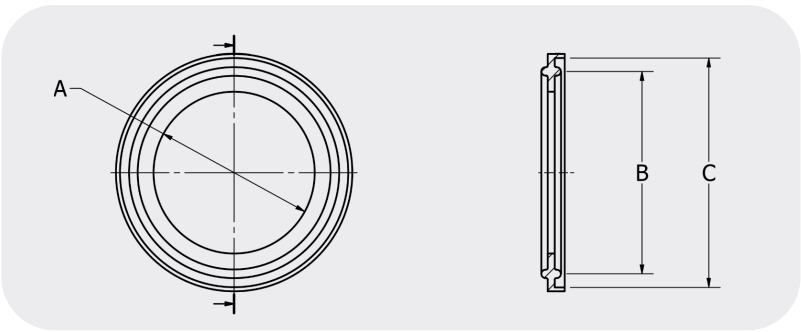


Part Number	Clamp Size	A		B	
		mm	in	mm	in
11467220	1.50" (-24)*	44.4	1.75	53.6	2.11
11467252	2.00" (-32)	57.8	2.28	67.0	2.64
11471318	2.50" (-40)	71.4	2.81	80.6	3.17
11471348	3.00" (-48)	84.0	3.31	94.2	3.71
11471320	4.00" (-64)	110.0	4.33	122.2	4.81

*use also for 1" and 1.25" sanitary flange connections
Note: Gasket sold separately, see below

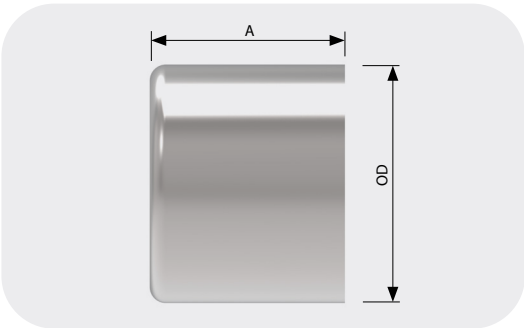
Tri-Clamp Gaskets

Built from peroxide-cured EPDM. Meets IEC 62368-1 G.15.2.3.



Part Number	Clamp Size	A		B		C	
		mm	in	mm	in	mm	in
11467221	1.00" (-16)	22.8	0.90	43.5	1.71	50.5	1.99
11471315	1.25" (-20)	31.5	1.24	43.5	1.71	50.5	1.99
11471345	1.50" (-24)	35.8	1.41	43.5	1.71	50.5	1.99
11467253	2.00" (-32)	48.8	1.92	56.5	2.22	64.0	2.52
11471347	2.50" (-40)	60.5	2.38	70.5	2.78	77.5	3.05
11471319	3.00" (-48)	73.1	2.88	83.5	3.29	91.0	3.58
11471346	4.00" (-64)	97.8	3.85	110.0	4.33	119.0	4.69

7G sockets for DC394



Part Number	Order Number	Hose Size	A		OD	
			mm	in	mm	in
7G40C	11416236	2.50" (-40)	69.0	2.72	83.0	3.27
7G48C	11416211	3.00" (-48)	84.0	3.31	96.8	3.81
7G64C	11416242	4.00" (-64)	94.8	3.73	123.5	4.86

Hose Support Clamps for EHW194

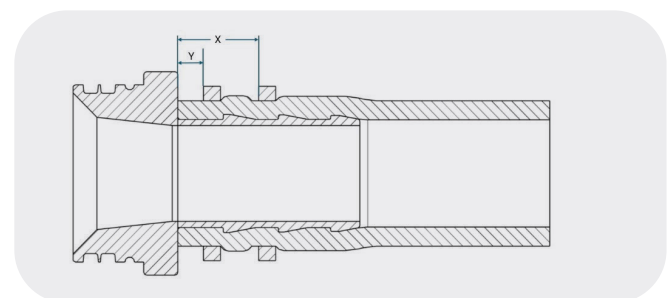


Part number	Order number	Reference	Hose Size	Ear width		Band width		Size range	
				mm	in	mm	in	mm	in
FF91764-162	FF91764-162	16702998	0.25" (-04)	8.0	0.31	7.0	0.28	13.5 - 16.0	0.53 - 0.63
FF91764-198	FF91764-198	16402498	0.38" (-06)	10.0	0.39	7.0	0.28	16.6 - 19.8	0.65 - 0.78
FF91764-241	FF91764-241	16700029	0.50" (-08)	10.0	0.39	7.0	0.28	20.9 - 24.1	0.82 - 0.95
FF91764-271	FF91764-271	16700033	0.63" (-10)	10.0	0.39	7.0	0.28	23.9 - 27.1	0.94 - 1.07
FF91764-316	FF91764-316	16705637	0.75" (-12)	10.0	0.39	7.0	0.28	28.4 - 31.6	1.12 - 1.24
FF91764-396	FF91764-396	16705322	1.00" (-16)	10.0	0.39	7.0	0.28	36.4 - 39.6	1.43 - 1.56
FF91764-470	11354161	29300039	1.25" (-20)	17.0	0.67	10.0	0.39	41.6 - 47.0	1.64 - 1.85
FF91764-535	11354150	29300065	1.50" (-24)	17.0	0.67	10.0	0.39	48.1 - 53.5	1.89 - 2.11
FF91764-675	11468923	29300120	2.00" (-32)	17.0	0.67	10.0	0.39	62.1 - 67.5	2.44 - 2.66

Clamp Positioning for Hose Sizes -04 thru -16 (one Clamp)



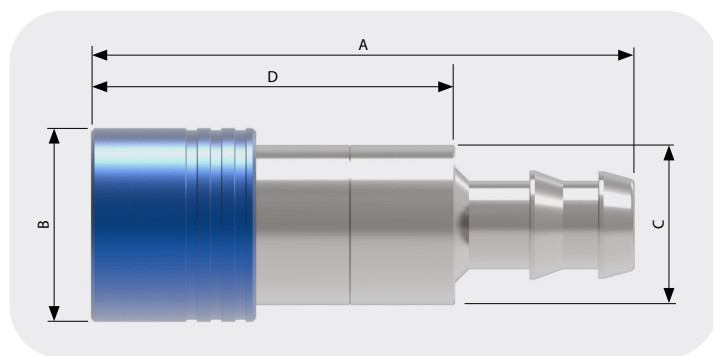
Clamp Positioning for Hose Sizes -20; -24; -32 (two Clamps)



Hose Size	X - First Clamp		Y - Second Clamp	
	mm (± 1.0)	in (± 0.04)	mm (± 1.0)	in (± 0.04)
1.25" (-20)	21.0	0.83	4.0	0.16
1.50" (-24)	23.0	0.91	4.0	0.16
2.00" (-32)	27.0	1.06	6.0	0.24

UQD - Universal Quick Disconnect Coupling

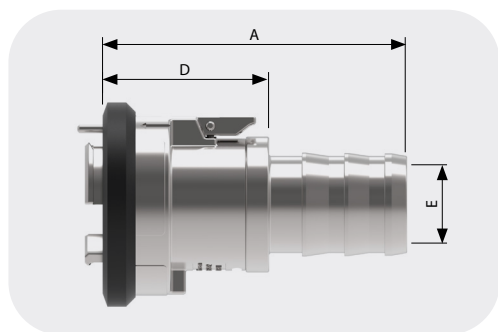
UQD Socket (Female) part with hose barb



Part number	Order number	Colour	Hose Size	OCP UQD size	A		D		B		C	
					mm	in	mm	in	mm	in	mm	in
2UQS25HABLS11	2UQS25HABLS12	Blue	0.25" (-04)	UQD02	57.5	2.26	38.4	1.51	18.5	0.73	14.0	0.55
2UQS25HARDS11	2UQS25HARDS12	Red										
4UQS25HABLS11	4UQS25HABLS12	Blue	0.25" (-04)	UQD04	73.2	2.88	51.2	2.02	24.6	0.97	19.0	0.75
4UQS25HARDS11	4UQS25HARDS12	Red										
4UQS37HABLS11	4UQS37HABLS12	Blue	0.38" (-06)	UQD04	73.2	2.88	49.5	1.95	24.6	0.97	19.0	0.75
4UQS37HARDS11	4UQS37HARDS12	Red										
6UQS50HABLS11	6UQS50HABLS12	Blue	0.50" (-08)	UQD06	78.1	3.07	52.3	2.06	27.8	1.09	23.0	0.91
6UQS50HARDS11	6UQS50HARDS12	Red										
ML8UQS62HABLS11	11368468	Blue	0.63" (-10)	UQD08 V2	101.1	3.98	62.1	2.44	31.5	1.24	28.0	1.10
ML8UQS62HARDS11	11368473	Red										

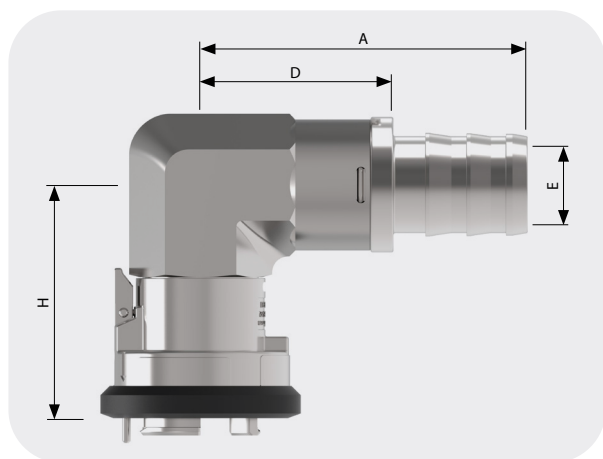
FD83 Hose Barb

FD83 Hose Barb



Part Number	Order Number	Hose Size	Terminal End	A		D		E	
				mm	in	mm	in	mm	in
FD83-2046-16-16	FD83-2046-16-16	1.00" (-16)	1.00" (-16)	84.2	3.31	55.2	2.17	20.5	0.81
FD83-2046-20-32	11349492	1.25" (-20)	2.00" (-32)	139.6	5.50	83.7	3.30	27.0	1.06
FD83-2046-24-32	11349477	1.50" (-24)	2.00" (-32)	147.9	5.82	83.8	3.30	33.0	1.30
FD83-2046-32-32	11349026	2.00" (-32)	2.00" (-32)	154.9	6.10	83.8	3.30	38.6	1.52

FD83 Hose Barb - 90 ° elbow



Part Number	Order Number	Hose Size	Terminal End	A		D		E		H	
				mm	in	mm	in	mm	in	mm	in
FD83-2092-16-16	FD83-2092-16-16	1.00" (-16)	1.00" (-16)	92.7	3.65	63.7	2.51	20.5	0.81	125.0	4.92
FD83-2092-32-32	11358296	2.00" (-32)	2.00" (-32)	113.1	4.45	42.0	1.65	38.6	1.52	115.2	4.54



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