



Master High Pressure Hose Drawings

[PTFE Safety Hose Assemblies](#)

TF02-002-17-XX - LifeGuard hose: 3500 psi MWP. PTFE liner. 1/4"NPT female brass ends. NO LOOPS.

TF02-002-17-XX -S - LifeGuard hose: 3500 psi MWP. PTFE liner. 1/4"NPT female brass ends. SAFE LOOPS.

TF02-002-11-XX -S - LifeGuard hose: 3500 psi MWP. PTFE liner. 1/4"NPT female heat dissipater brass ends. SAFE LOOPS.

TF06-002-11-XX -S - LifeGuard hose: 6000 psi MWP. PTFE liner. 1/4"NPT female ss ends. SAFE LOOPS.

TF06-004-11-XX -S - LifeGuard hose: 6000 psi MWP. PTFE liner. 1/2"NPT female ss ends. SAFE LOOPS.

[Metallic Hose Assemblies](#)

BH09-002-1-XX - LifeGuard hose: 3500 psi MWP. Convoluted stst. 1/4"NPT female stst ends. NO LOOPS

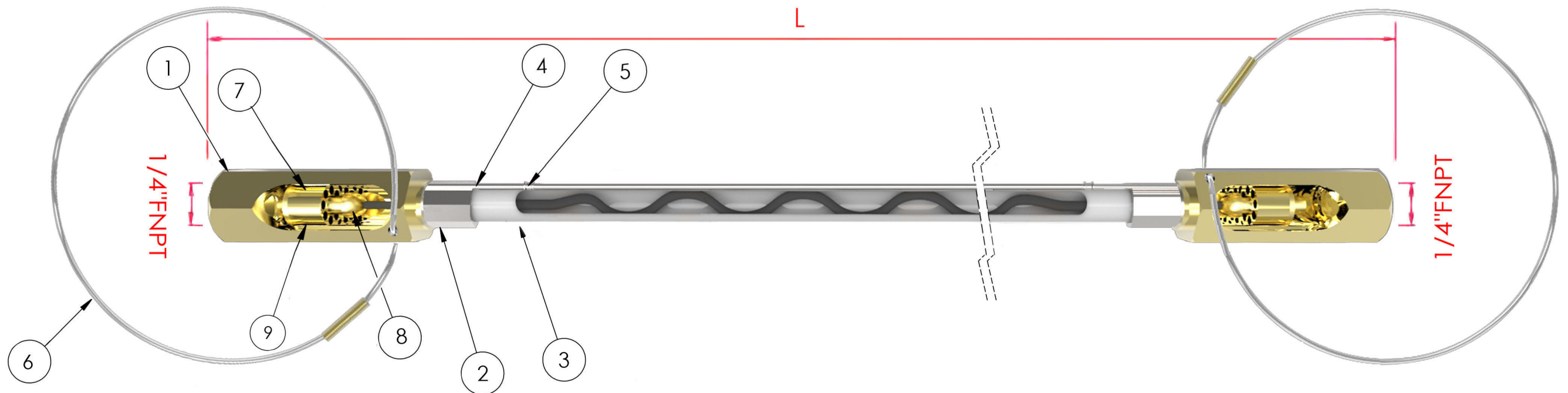
BH09-002-1-XX - S - LifeGuard hose: 3500 psi MWP. Convoluted stst. 1/4"NPT female stst ends. SAFE LOOPS

[Tefzel Safety Hose Assemblies](#)

Tf51-002-17-XX - LifeGuard hose: 3500 psi MWP. TEFZEL liner. 1/4"NPT female brass ends. NO LOOPS.

TF51-002-17-XX-S - LifeGuard hose: 3500 psi MWP. TEFZEL liner. 1/4"NPT female brass ends. SAFE LOOPS.





BILL OF MATERIALS

1	207 521 111	END CONNECTION 1/4" BRASS 1/4" FNPT THREAD BRASS (HEAT TREATED)
2	4600-06-2	CRIMP FERRULE, 316 STAINLESS STEEL
3	HD 52-06	HIGH PRESSURE HOSE, 1/4" PTFE WITH HD, 3500 PSI
4	207 001 099	EXTERNAL CABLE Ø3 MM, 316L STAINLESS STEEL
5	217 200 572	CABLE LOCK
6	207 001 099	SAFETY LOOPS
7	207 1313	SNAP RING,BERYLLIUM COPPER
8	207 521 903	PLUNGER VALVE 1/4 " BRASS (HEAT TREATED)
9	207 521 904	RETAINING BLOCK 1/4 "BRASS (HEAT TREATED)

LINER NO.	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
	LINER I.D.		LINER WALL		HOSE O.D		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

PATENTED AND PATENT PENDING


CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

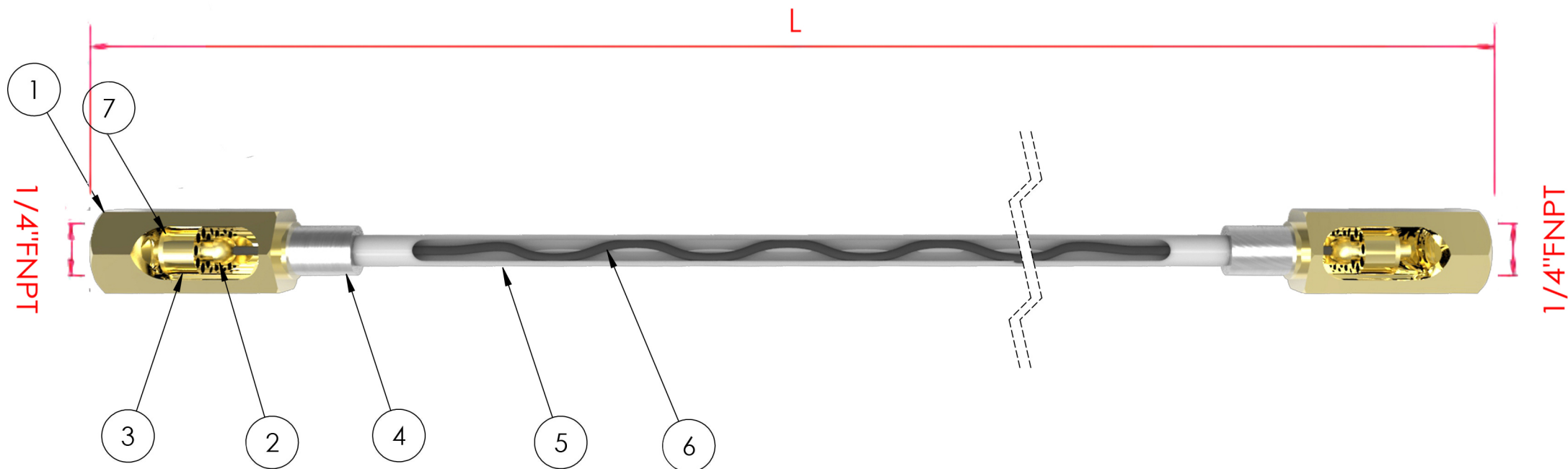
MAXIMUM WORKING PRESSURE 241 BAR,3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI WITH OXYGEN
SAFETY FACTOR : 4
DEGREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Note: The lengths are measured in inches and replaces the XX in the part no.

(A) Cable loops on the external cable excluded HC 2010-07-15

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	AJY	12-12-2017					
	Name				Drawing No.		
	HIGH PRESSURE HOSE, PTFE WITH HD 1/4" BRASS FITTING				GPS-TF02-002-17-XX-S		



BILL OF MATERIALS

1	207 521 111	END CONNECTION 1/4" BRASS 1/4" FNPT THREAD BRASS (HEAT TREATED)
2	207 521 902	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/4" BRASS (HEAT TRATED)
4	4600-06-2	CRIMP FERRULE 316 STAINLESS STEEL
5	425-06	HIGH PRESSURE HOSE 1/4", PTFE 304L BRAID
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER

PATENTED AND PATENT PENDING


CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

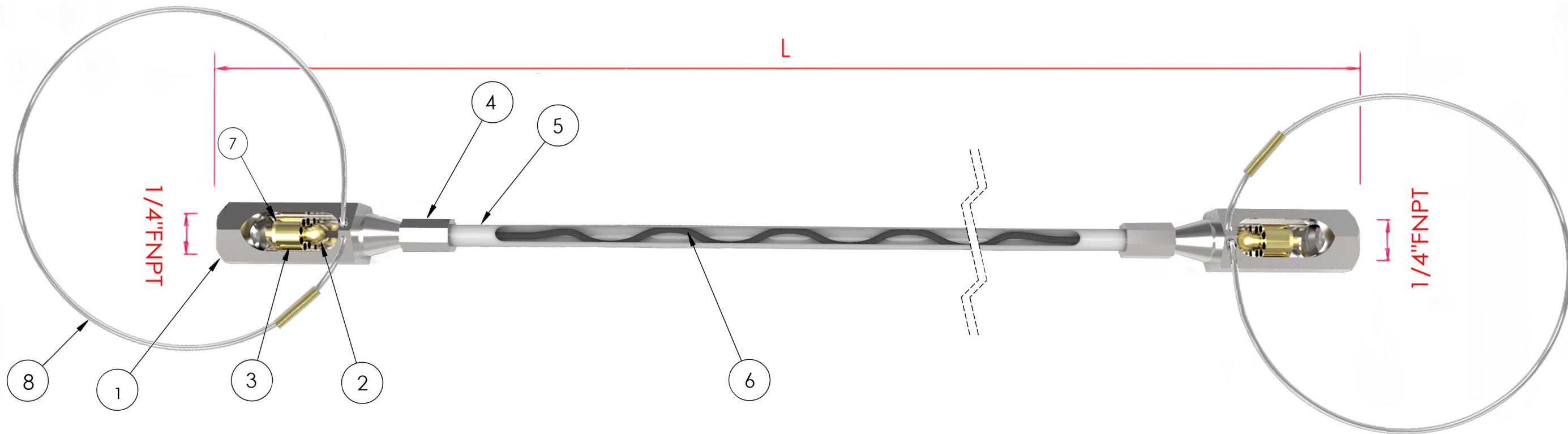
LINER NO.	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
	LINER I.D.		LINER WALL		HOSE O.D		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Note: The lengths are measured in inches and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	RKH	04-04-2017					
	Name				Drawing No.		
	Life Guard Safety hose, PTFE 1/4" NPT Brass Fittings				TF02-002-17-XX		



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

BILL OF MATERIALS

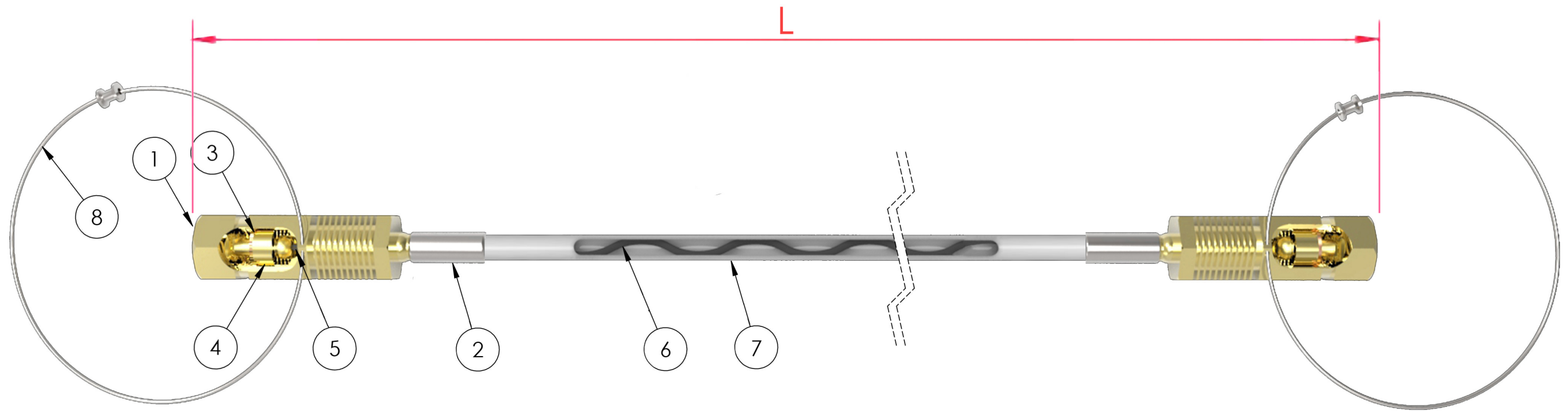
1	207 572 711	1/4", WELD CONNECTION 1/4" FNPT, THREAD 316L STAINLESS STEEL
2	207 521 902	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/4", BRASS (HEAT TREATED)
4	1600-06HD	WELD FERRULE 316 STAINLESS STEEL
5	HD52-06	HIGH PRESSURE HOSE 1/4", 316L, 304L STAINLESS STEEL
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER
8	207 001 099	SAFETY LOOPS 316L STAINLESS STEEL

Note: The lengths are measured in inches
and replaces the XX in the part no.



**LIFE GUARD
TECHNOLOGIES**
The next generation in safety hoses

Rating		Design		Manufacture		Quality	
Drawn	Date	Material	Surface	Tolerance	Scale		
RKH	04-04-2017						
Name						Drawing No.	
Life Guard Safety hose, Stainless steel 1/4" NPT SS Fittings						BH09-002-11-XX-S	



BILL OF MATERIALS

ITEM NO	QTY.	PART NO.	DESCRIPTION
1	2	207 521 111	END FITTING, HEAT SINK DESIGN, 1/4" W/ CROSS HOLE, BRASS
2	2	4600-06-2	FERRULE, 304 STAINLESS STEEL
3	2	207 1313	SNAP RING, BERYLLIUM COPPER
4	2	207 521 901	RETAINER, BRASS
5	2	207 521 902	PLUNGER VALVE, 1/4" BRASS
6	1	207 529 999	CABLE, 1.5 mm DIA., MONEL
7	1	435-06	TEFLON LINED HIGH PRESSURE HOSE 1/4" ,PTFE, 304 SS BRAID, 14400 PSI BURST PRESSURE
8	2	207 001 099	SAFETY LOOPS

	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
LINER NO.	LINER I.D.		LINER WALL		HOSE O.D		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

MAXIMUM WORKING PRESSURE FULL VACCUM
UP TO 3500 PSIG (240 BARg)
TEST PRESSURE 5250 PSIG (362 BARg) WITH NITROGEN
SAFETY FACTOR : 4

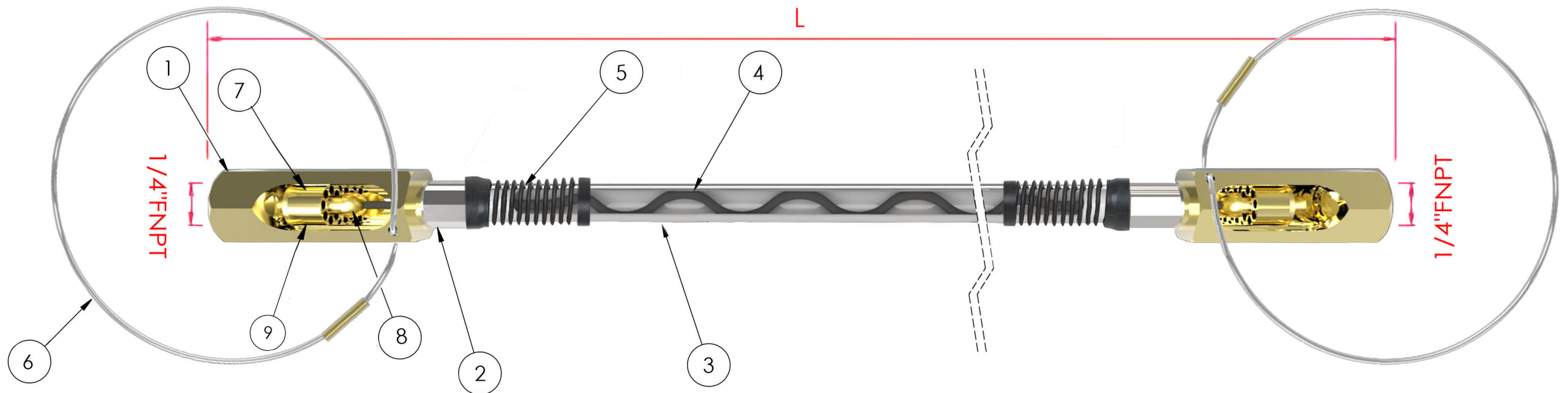
NOTE
CLEAN FOR OXYGEN SERVICE

Note: The lengths are measured in inches
and replaces the XX in the part no.

PATENTED

1	9/13	RELEASED FOR PRODUCTION	
ISSUE NO.	DATE	DESCRIPTION	BY

BREAK ALL SHARP CORNERS TOL. FRAC. ANG CONCENTRICITY		TITLE HIGH PRESSUR HOSE, 3500 PSI RATED 1/4" NPT BRASS FITTINGSW/ HEAT DISSIPATORS			
INSIDE CORNERS RAD.	T.I.R	DATE	JOB	STD	DWG NO.
	CH.	BY	ASSY.	SCALE	TF02-002-19-XX-S
		QA	PE	SHEET 1 OF 1	



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


BILL OF MATERIALS

1	207 521 111	END CONNECTION 1/4" BRASS 1/4" FNPT THREAD BRASS (HEAT TREATED)
2	4600-06-2	CRIMP FERRULE, 316 STAINLESS STEEL
3	HD 52-06	HIGH PRESSURE HOSE, 1/4" ETFE WITH HD, 3500 PSI
4	207 529 999	INTERNAL CABLE, MONEL
5	207 001 013	BEND RESTRICTOR
6	207 001 099	SAFETY LOOPS Ø 3 MM, 316L STAINLESS STEEL
7	207 1313	SNAP RING,BERYLLIUM COPPER
8	207 521 903	PLUNGER VALVE 1/4" BRASS (HEAT TREATED)
9	207 521 904	RETAINING BLOCK 1/4"BRASS (HEAT TREATED)

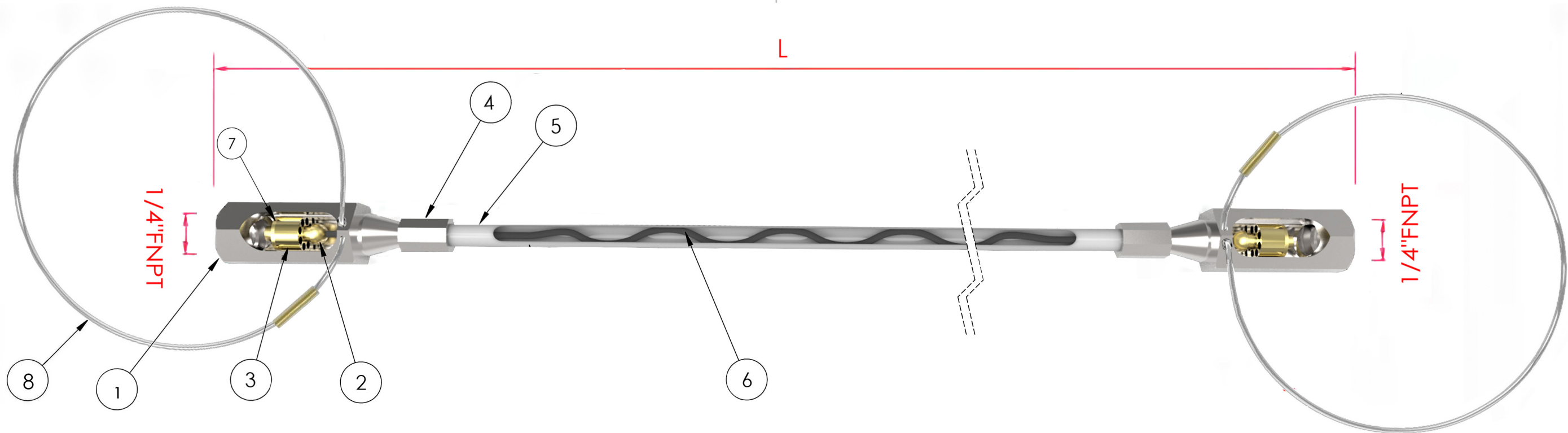
MAXIMUM WORKING PRESSURE 241 BAR,3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI WITH OXYGEN
SAFETY FACTOR : 4
DEGREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Note: The lengths are measured in inches
and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>		Drawn	Date	Material	Surface	Tolerance	Scale
		AJY	12-12-2017				
		Name				Drawing No.	
		HIGH PRESSURE HOSE, ETFE WITH HD 1/4"FNPT BRASS FITTING				TF51-002-11-XX-SBR	

(A) Cable loops on the external cable excluded HC 2010-07-15



BILL OF MATERIALS

ITEM NO	QTY.	PART NO.	DESCRIPTION
1	2	207 572 711	END CONNECTOR FITTING, 1/4" NPT SIZE,
2	2	207 51 902	PLUNGER VALVE, 1/4" BRASS
3	2	207 521 901	RETAINING BLOCK, 1/4" BRASS
4	2	4600-06-4	FERRULE, STAINLESS STEEL
5	1	TF09-002-17-2Y	HIGH PRESSURE HOSE, 1/4" PTFE
6	1	207 529 713	INTERNAL CABLE, STAINLESS STEEL
7	2	207 529 713	SNAP RING, BERYLLIUM COPPER
8	2	207 001 099	SAFETY LOOPS 316L SS

NOTE
CLEAN FOR OXYGEN SERVICE

	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
LINER NO.	LINER I.D.		LINER WALL		HOSE O.D		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

MAXIMUM WORKING PRESSURE
FULL VSCUUM UP TO 3500 PSIG [24 BARg]
TEST PRESSURE 5250 PSIG [362 BARg] WITH NITROGEN

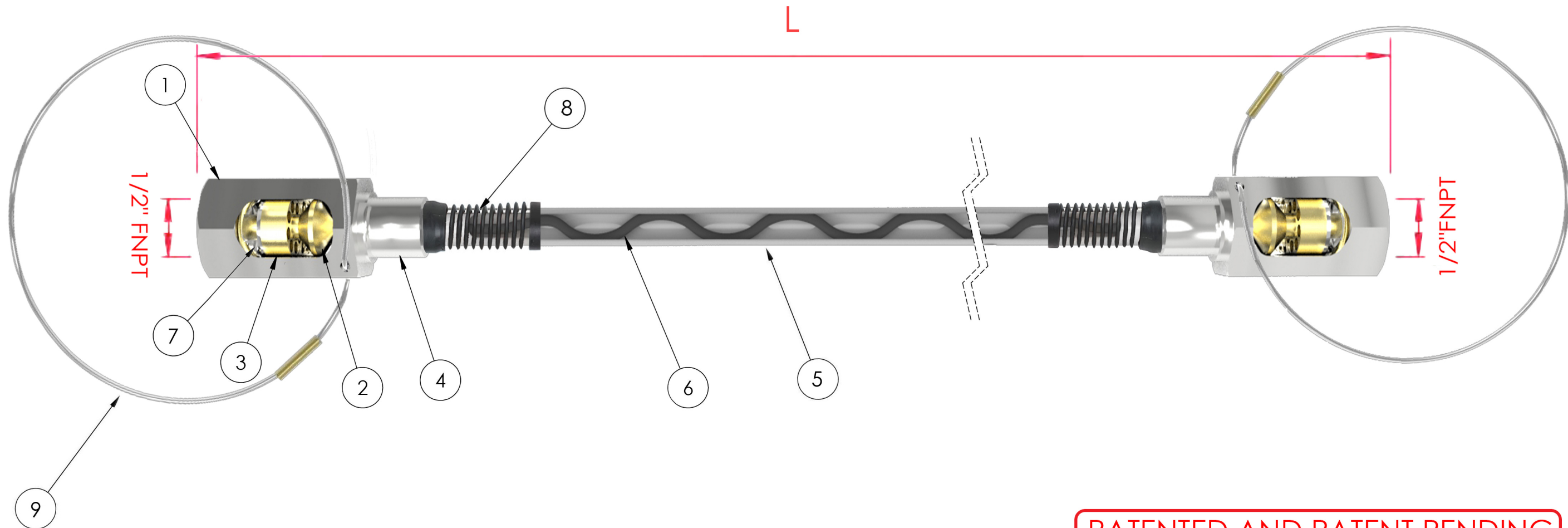
PATENTED



LIFEGUARD TECHNOLOGIES
The next generation in safety hoses

ISSUE NO.	DATE	DESCRIPTION	BY

LIFEGUARD TECHNOLOGIES					
BREAK ALL SHARP CORNERS TOL. FRAC. ANG CONCENTRICITY T.I.R INSIDE CORNERS RAD.		TITLE LIFEGUARD SAFETY HOSE, STAINLESS STEEL 1/4" NPT SS FITTINGS- REXARC			
		DATE	JOB	STD	DWG NO. TF09-002-17-2Y-ACET-BR
		BY	ASSY.		
		CH.	SCALE		
		QA	PE		SHEET 1 OF 1



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


MAXIMUM WORKING PRESSURE 535 BAR, 7500
PSI TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DEGREASED FOR OXYGEN USE

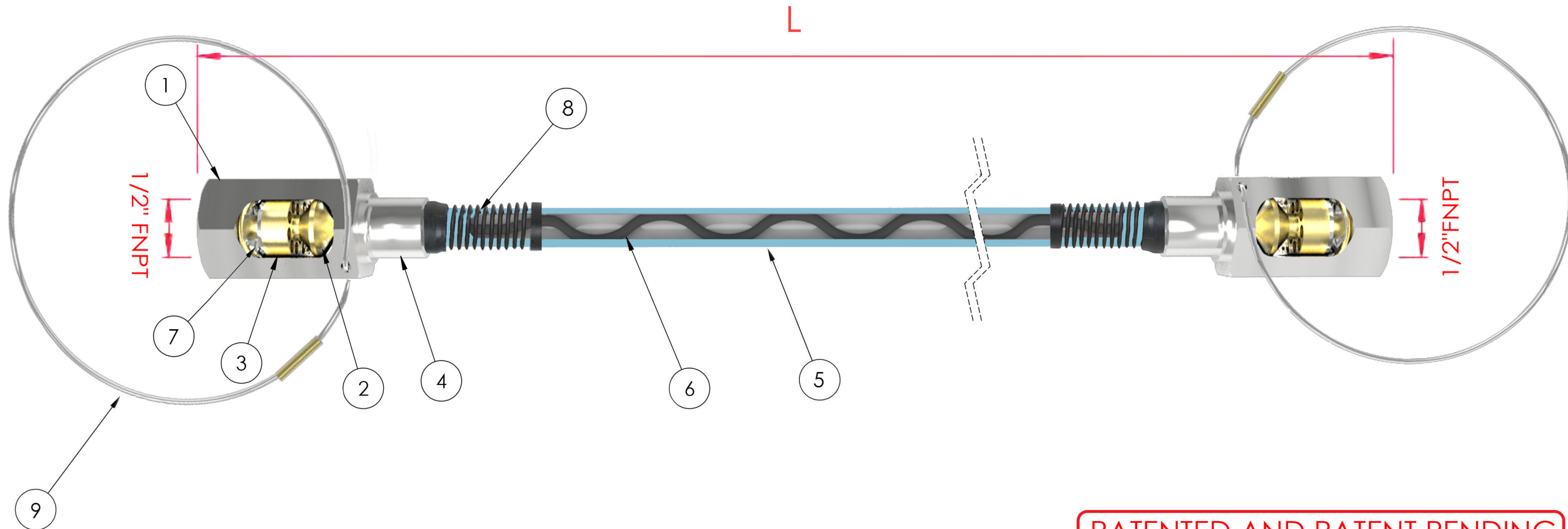
MANUFACTURED ACCORDING TO ISO EN 34 113

BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/2", CRIMP CONNECTION 1/2" FNPT THREAD,316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/2" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE SYNTHETIC NANOSONIC HOSE 1/2" , 304 BRAIDED, 7500 PSI
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/2", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS

Note: The lengths are measured in inches and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>		Drawn	Date	Material	Surface	Tolerance	Scale
		AJY					
		Name				Drawing No.	
		Life Guard Safety hose ,synthetic nanosonic 1/2" FNPT Stainless Steel Fittings				GPS-TF08-00-11-XXX-SBR	



BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/2", CRIMP CONNECTION 1/2" FNPT THREAD, 316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/2" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE, 1/2" ETFE ONE LAYER ARMED, ONE LAYER 304 BRAIDED, 6000 PSI BLUE HYTREL COVER
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/2", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS


Note: The lengths are measured in inches and replaces the XX in the part no.

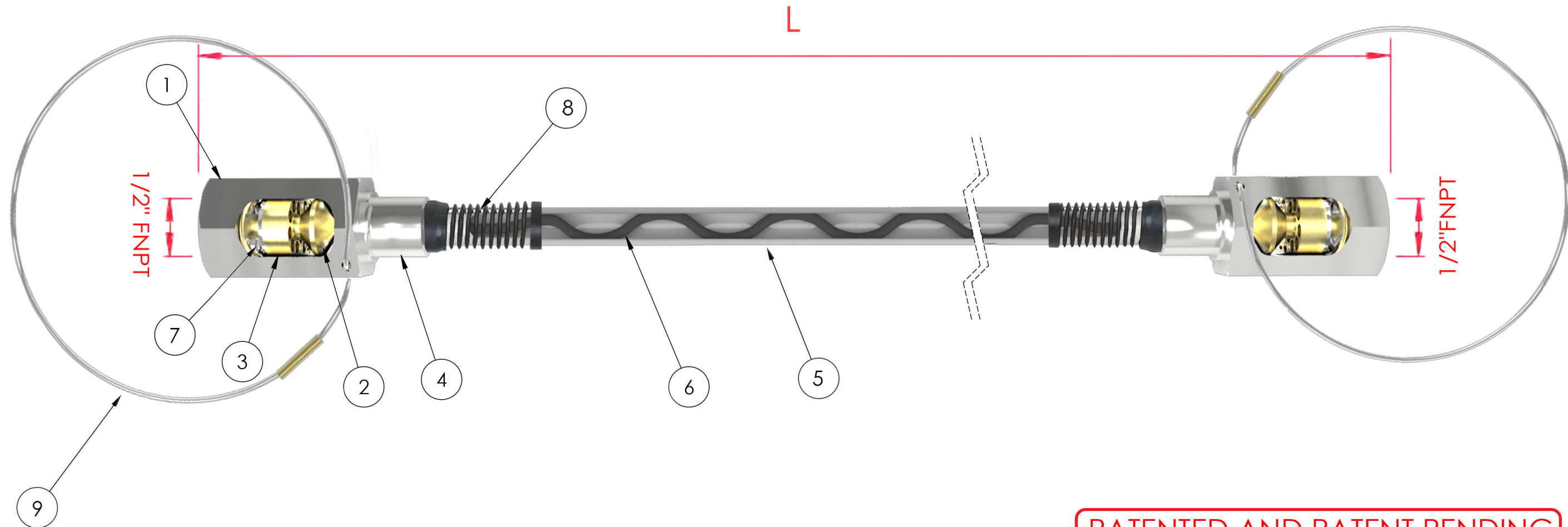
PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 400 BAR, 6000 PSI
TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>	Drawn	Date	Material	Surface	Tolerance	Scale	
	AJY						
	Name				Drawing No.		
	Life Guard Safety hose , ETFE 1/2" FNPT Stainless Steel Fittings				GPS-TF07-00-11-XXX-SBR		



BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/2", CRIMP CONNECTION 1/2" FNPT THREAD, 316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/2" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE, 1/2" ETFE ONE LAYER ARMED, ONE LAYER 304 BRAIDED, 6000 PSI BLUE HYTRPL COVER
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/2", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS


Note: The lengths are measured in inches and replaces the XX in the part no.

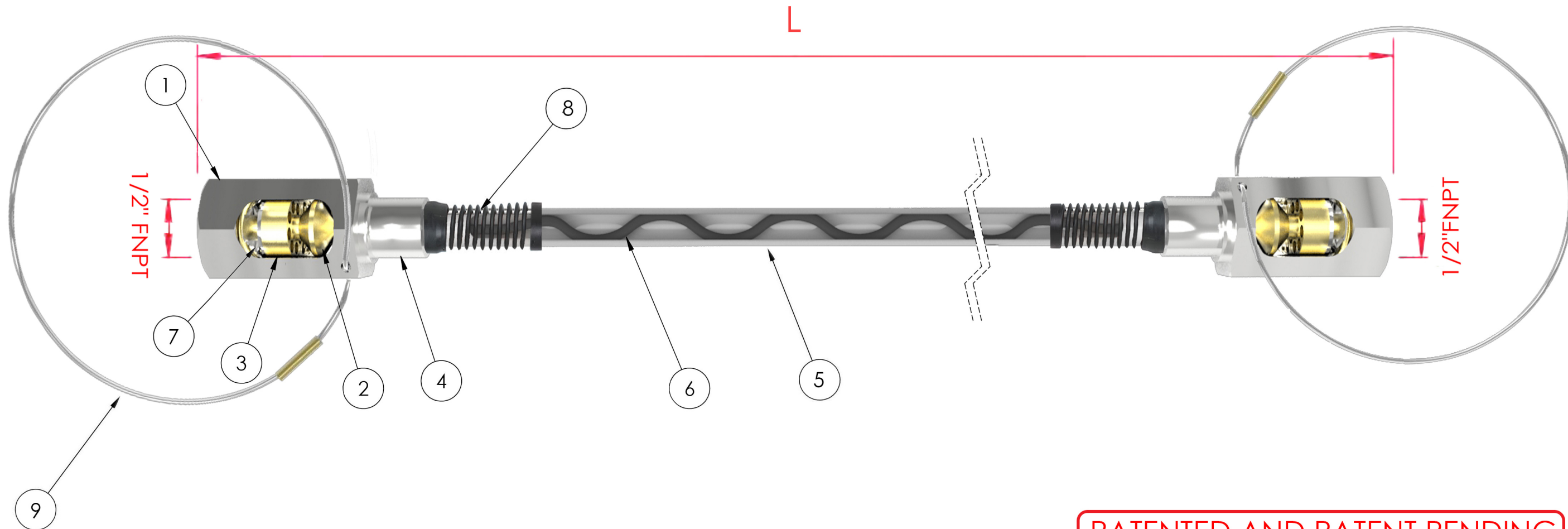
PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 400 BAR, 6000 PSI
TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>	Drawn AJY	Date		Material	Surface	Tolerance	Scale
		Name		Drawing No.			
		Life Guard Safety hose, ETFE 1/2" FNPT Stainless Steel Fittings				GPS-TF07-00-11-XXX-SBR	



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


MAXIMUM WORKING PRESSURE 414 BAR, 6000
PSI TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DEGREASED FOR OXYGEN USE

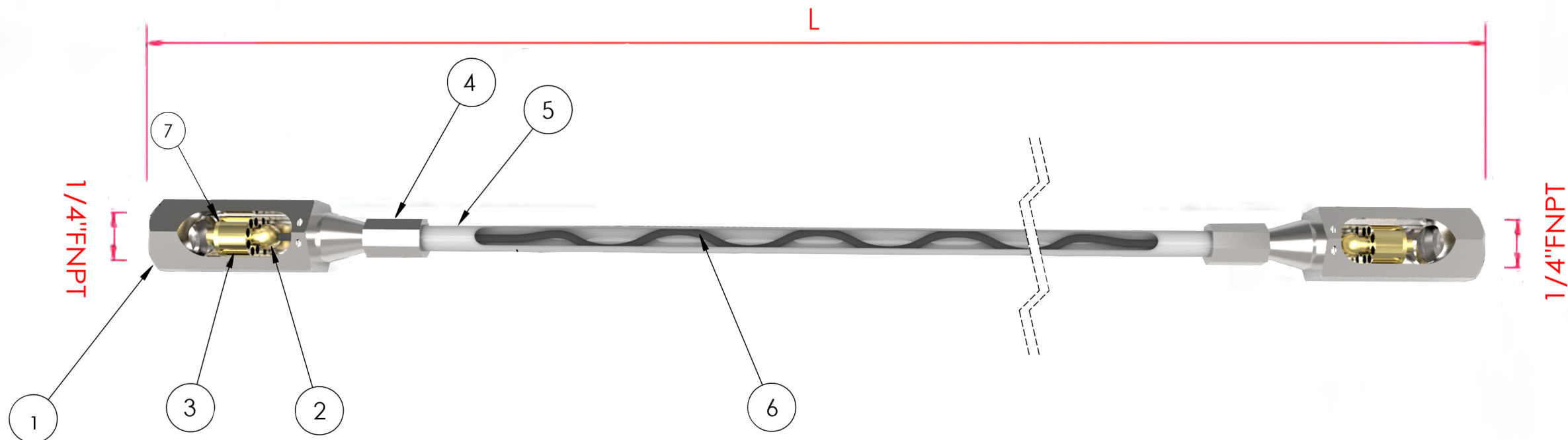
MANUFACTURED ACCORDING TO ISO EN 34 113

BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/2", CRIMP CONNECTION 1/2" FNPT THREAD,316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/2" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE 1/2", PTFE, 304 BRAID, 6000 PSI
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/2", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS

Note: The lengths are measured in inches and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>		Drawn	Date	Material	Surface	Tolerance	Scale
		AJY					
		Name				Drawing No.	
		Life Guard Safety hose , PTFE 1/2" FNPT Stainless Steel Fittings				GPS-TF06-00-11-XXX-SBR	



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


BILL OF MATERIALS

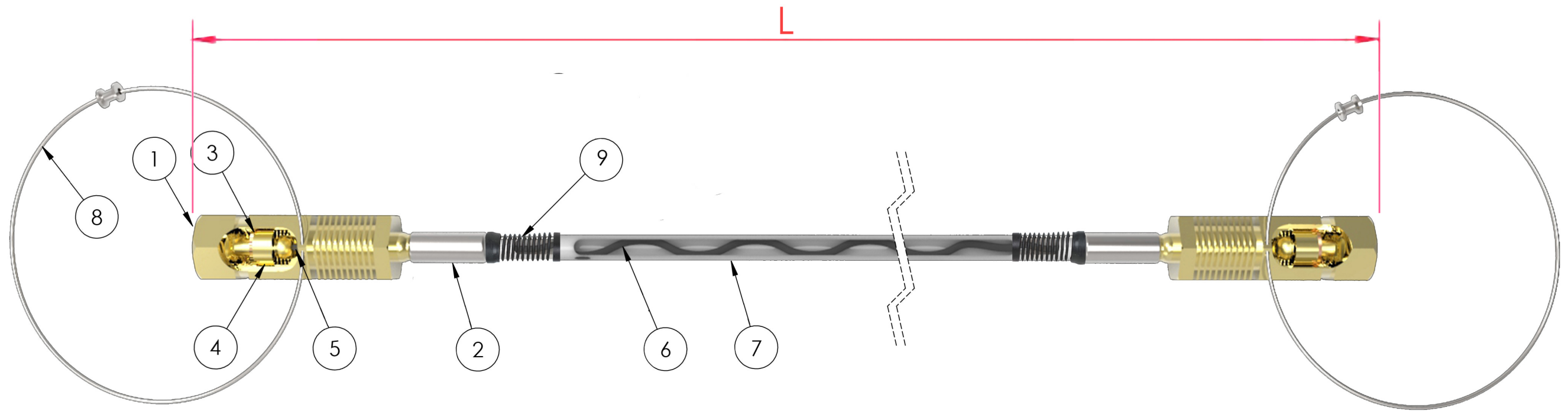
1	207 572 711	1/4", WELD CONNECTION 1/4" FNPT, THREAD 316L STAINLESS STEEL
2	207 521 902	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/4", BRASS (HEAT TREATED)
4	1600-06HD	WELD FERRULE 316 STAINLESS STEEL
5	HD52-06	HIGH PRESSURE HOSE 1/4", 316L, 304L STAINLESS STEEL
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DEGREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Note: The lengths are measured in inches
and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	RKH	04-04-2017					
	Name				Drawing No.		
	Life Guard Safety hose, Stainless steel 1/4" NPT SS Fittings				BH09-002-11-XX		



BILL OF MATERIALS

ITEM NO	QTY.	PART NO.	DESCRIPTION
1	2	207 521 111	END FITTING, HEAT SINK DESIGN, 1/4" W/ CROSS HOLE, BRASS
2	2	4600-06-2	FERRULE, 304 STAINLESS STEEL
3	2	207 1313	SNAP RING, BERYLLIUM COPPER
4	2	207 521 901	RETAINER, BRASS
5	2	207 521 902	PLUNGER VALVE, 1/4" BRASS
6	1	207 529 999	CABLE, 1.5 mm DIA., MONEL
7	1	435-06	TEFLON LINED HIGH PRESSURE HOSE 1/4" ,PTFE, 304 SS BRAID, 14400 PSI BURST PRESSURE
8	2	207 001 099	SAFETY LOOPS
9	2	207 001 013	BEND RESTRICTORS

	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
LINER NO.	LINER I.D.		LINER WALL		HOSE O.D		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

MAXIMUM WORKING PRESSURE FULL VACCUM
UP TO 3500 PSIG (240 BARg)
TEST PRESSURE 5250 PSIG (362 BARg) WITH NITROGEN
SAFETY FACTOR : 4

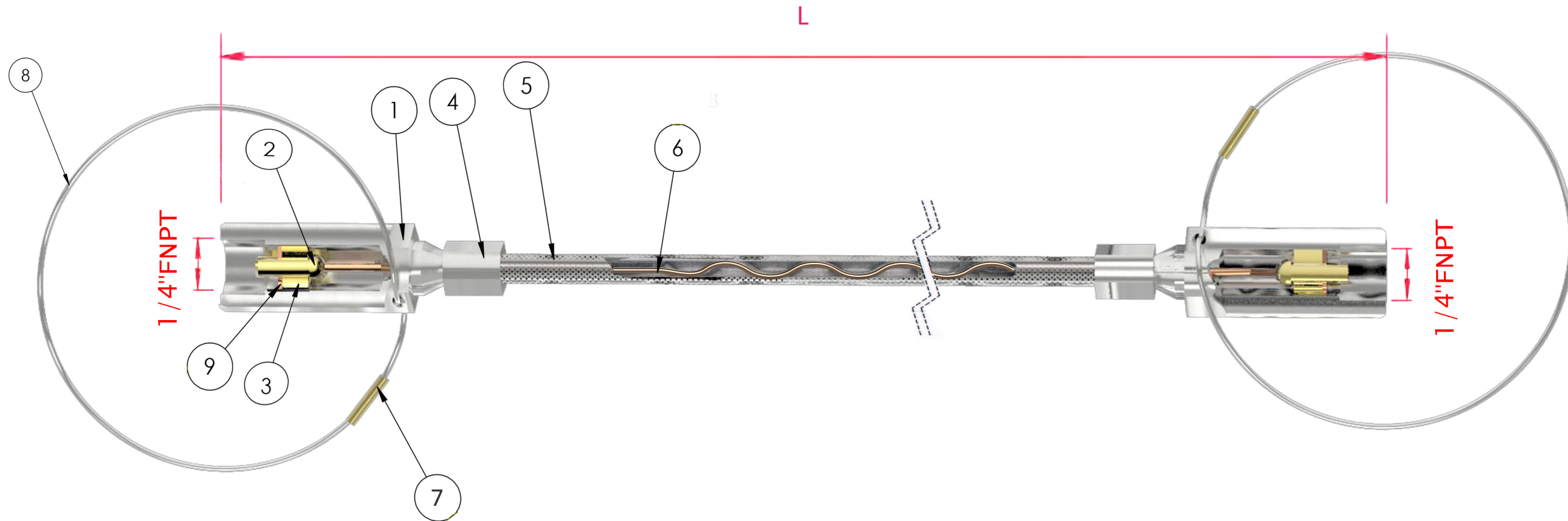
NOTE
CLEAN FOR OXYGEN SERVICE

Note: The lengths are measured in inches
and replaces the XX in the part no.

PATENTED

1	9/13	RELEASED FOR PRODUCTION	
ISSUE NO.	DATE	DESCRIPTION	BY
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>			

BREAK ALL SHARP CORNERS TOL. FRAC. ANG		TITLE HIGH PRESSUR HOSE, 3500 PSI RATED 1/4" NPT BRASS FITTINGSW/ HEAT DISSIPATORS			
CONCENTRICITY		DATE	JOB	STD	DWG NO.
T.I.R		BY	ASSY.		
INSIDE CORNERS		CH.	SCALE		
RAD.		QA	PE		
		SHEET 1 OF 1			



BILL OF MATERIALS

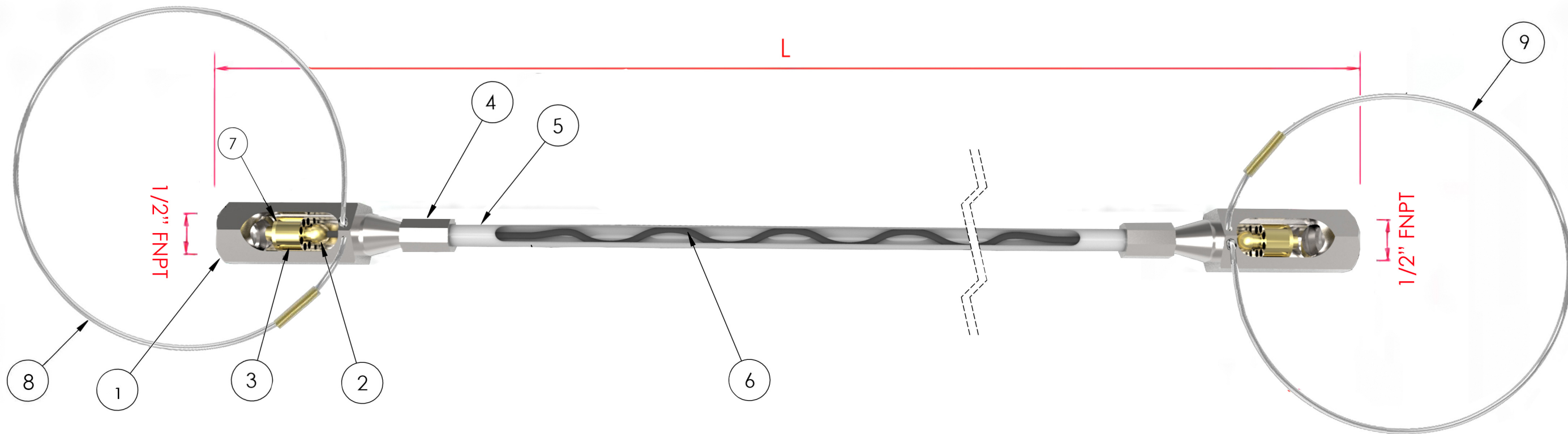
1	207 572 711	END CONNECTION 1/4" WELD CONNECTION 1/4" FNPT THREAD, AISI 316L
2	207 521 902	PLUNGER VALVE 1/4", BRASS
3	207 521 901	RETAINING BLOCK 1/4", BRASS
4	1600-06HD	FERRULE ,AISI 304
5	HD 52-06	HIGH PRESSURE HOSE 1/4 ", AISI 316L
6	207 572 991	INTERNAL CABLE, NON-FERROUS
7	217 200 572	CABLE LOCK BRASS
8	207 001 099	VALVE LOOP STAINLESS STEEL, 5.3KN
9	207 571 911	SNAP RING 1/4" , BERYLLIUM COPPER

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI WITH NITROGEN
DEGREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO EN-ISO 10380:2012

Note: The lengths are measured in inches
and replaces the XX in the part.

Drawing		Design		Manufacture		Quality	
		Drawn	Date	Material	Surface	Tolerance	Scale
		AJAY M R	2017-11-23				
		Name				Drawing No.	
		Life Guard Safety hose, Stainless steel 1/4" NPT SS Fittings with loops				QLGXXX	



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

BILL OF MATERIALS

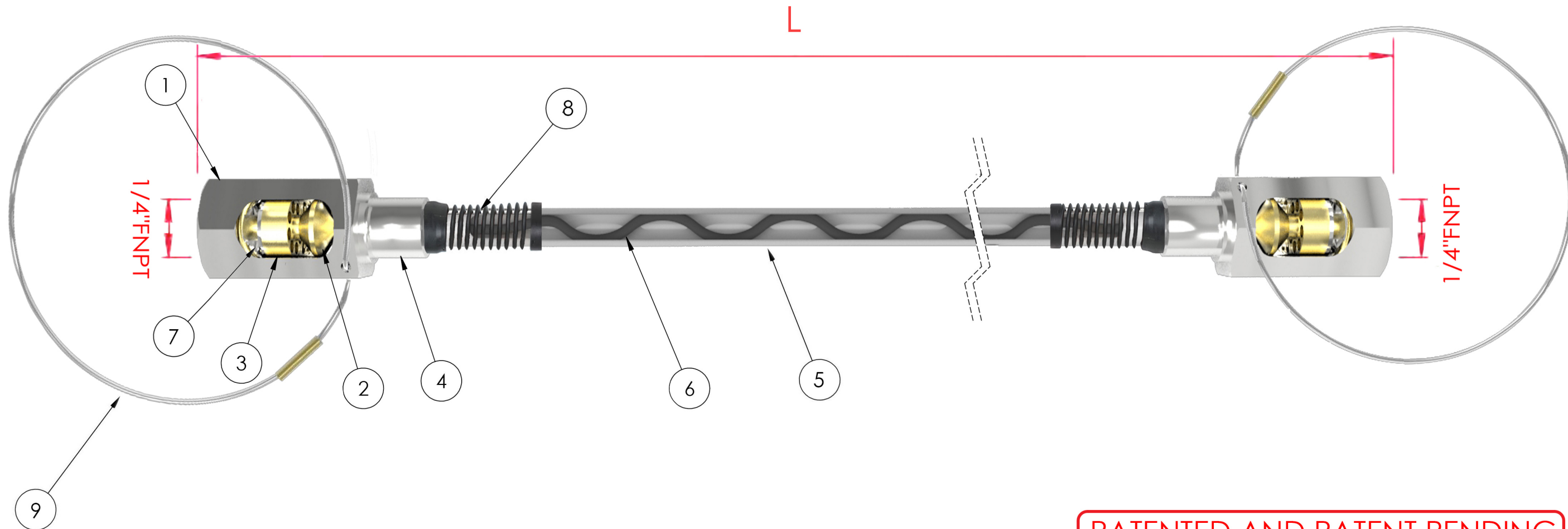
1	207 572 711	1/4", WELD CONNECTION 1/2" FNPT, THREAD 316L STAINLESS STEEL
2	207 521 902	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/2", BRASS (HEAT TREATED)
4	1600-06HD	WELD FERRULE 316 STAINLESS STEEL
5	HD52-06	HIGH PRESSURE HOSE 1/2", 316L, 304L STAINLESS STEEL
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER
8	207 001 099	SAFETY LOOPS 316L STAINLESS STEEL

Note: The lengths are measured in inches
and replaces the XX in the part no.



**LIFE GUARD
TECHNOLOGIES**
The next generation in safety hoses

	Drawn	Date	Material	Surface	Tolerance	Scale
RKH		04-04-2017				
	Name				Drawing No.	
	Life Guard Safety hose, Stainless steel 1/4" NPT SS Fittings				BH09-004-11-XX-S	



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


MAXIMUM WORKING PRESSURE 414 BAR, 6000
PSI TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DEGREASED FOR OXYGEN USE

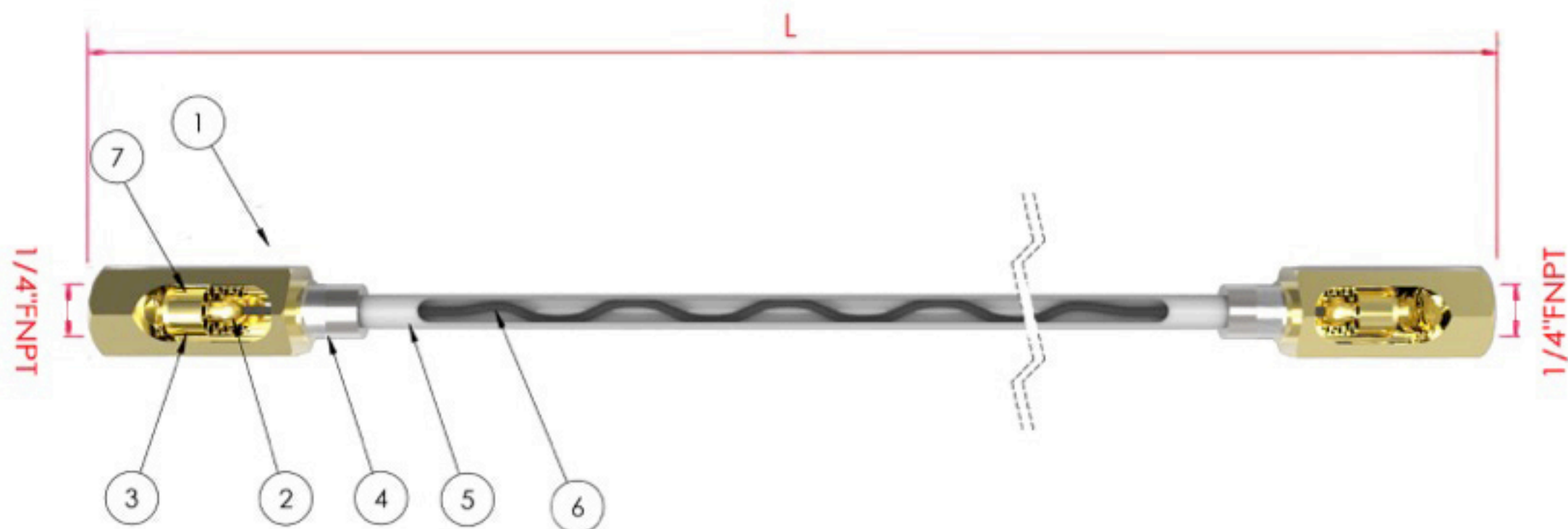
MANUFACTURED ACCORDING TO ISO EN 34 113

BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/4", CRIMP CONNECTION 1/2" FNPT THREAD,316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/4" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE 1/4" , PTFE, 304 BRAID, 6000 PSI
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/4" , BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS

Note: The lengths are measured in inches and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>	Drawn	Date	Material	Surface	Tolerance	Scale	
	AJY						
	Name				Drawing No.		
	Life Guard Safety hose , PTFE 1/4" FNPT Stainless Steel Fittings				GPS-TF06-002-11-XX-S		



BILL OF MATERIALS

1	207 521 111	END CONNECTION 1/4" BARB 1/4" FNPT THREAD, BRASS
2	207 521 902	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/4" BRASS (HEAT TREATED)
4	4600-06-2	CRIMP FERRULE, 316L, 304L STAINLESS STEEL
5	435-06	HIGH PRESSURE HOSE 1/4", ETFE, 304L BRAID
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER

PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

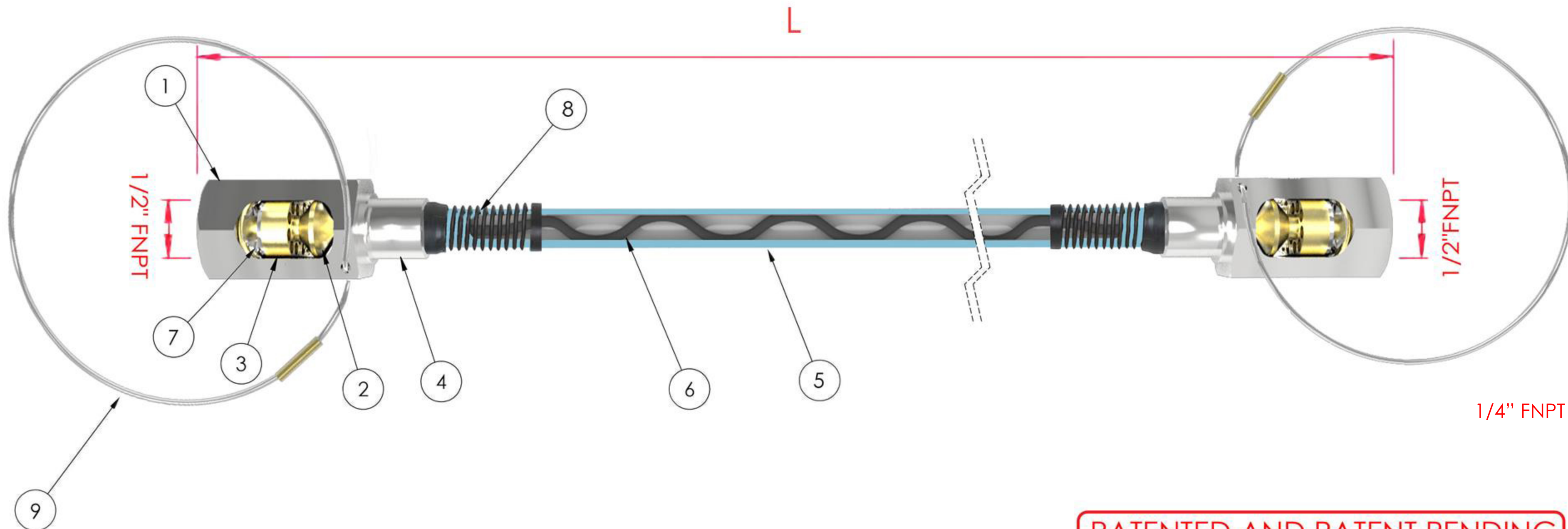
MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

**Note: The lengths are measured in inches
and replaces the XX in the part no.**

	FINISHED HOSE DIMENSION							OPER. PRESS. (PSI)	PROOF PRESS (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUSA
LINER NO.	LINER I.D.		LINER WALL		HOSE O.D.		WEIGHT (LBS./FT.)				
	MIN	MAX	MIN	MAX	MIN	MAX					
T1728-05	.225	.250	.030	.042	.400	.440	.140	3600	5400	14400	3-1/2

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>	Drawn	Date	Material	Surface	Tolerance	Scale	
	RKH	04-04-2017					
	Name				Drawing No.		
	Life Guard Safety hose, ETFE 1/4" NPT Brass Fittings				TF51-002-17-XX		



BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/2", CRIMP CONNECTION 1/2" FNPT THREAD, 316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/2", BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/2" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE, 1/2" ETFE ONE LAYER ARMED, ONE LAYER 304 BRAIDED, 6000 PSI BLUE HYTREL COVER
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/2", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS


Note: The lengths are measured in inches and replaces the XX in the part no.

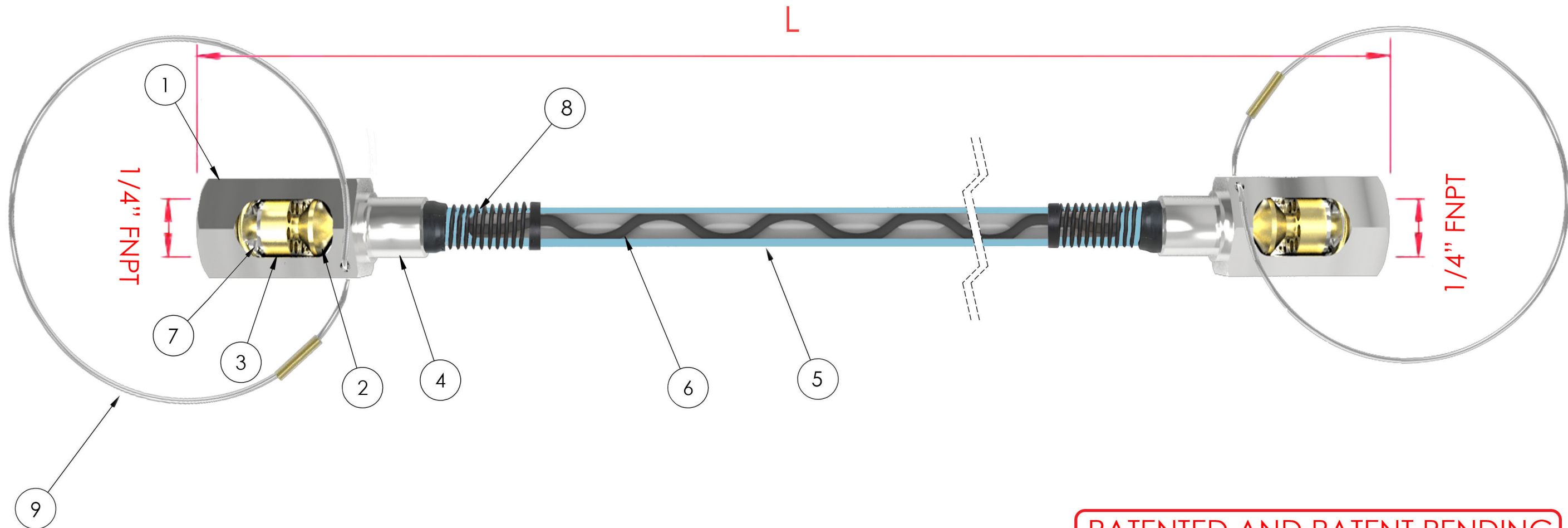
PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 400 BAR, 6000 PSI
TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	AJY						
	Name				Drawing No.		
	Life Guard Safety hose , ETFE 1/2" FNPT Stainless Steel Fittings				GPS-TF08-004-11-XXX-SBR		



BILL OF MATERIALS

1	207 572 481	END CONNECTION 1/4" CRIMP CONNECTION 1/4" FNPT THREAD,316L STAINLESS STEEL
2	207 521 903	PLUNGER VALVE 1/4" BRASS (HEAT TREATED)
3	207 521 904	RETAINING BLOCK 1/4" BRASS (HEAT TREATED)
4	6600-13	CRIMP FERRULE 316 STAINLESS STEEL
5	SFA012	HIGH PRESSURE HOSE, 1/4" ETFE ONE LAYER ARMED, ONE LAYER 304 BRAIDED ,6000 PSI BLUE HYTREL COVER
6	207 529 998	INTERNAL CABLE, MONEL
7	207 571 921	SNAP RING 1/4", BERYLLIUM COPPER
8	207 001 013	BEND RESTRICTORS
9	207 001 099	SAFETY LOOPS


Note: The lengths are measured in inches and replaces the XX in the part no.

PATENTED AND PATENT PENDING

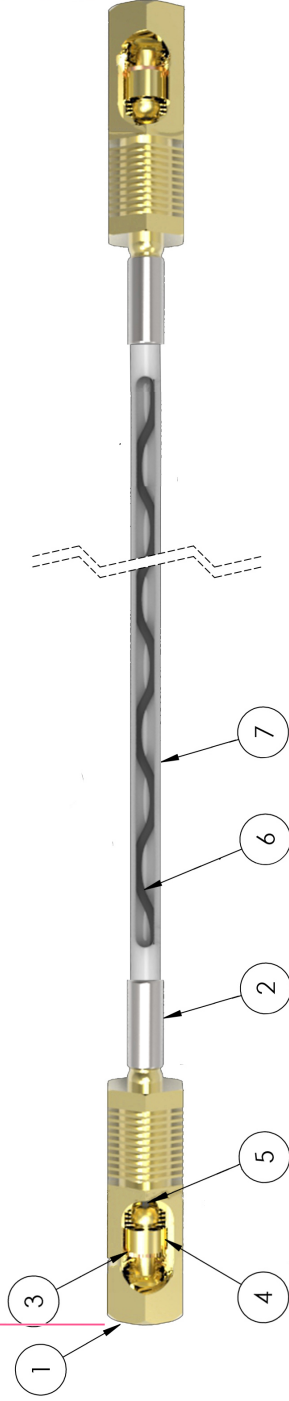
CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

MAXIMUM WORKING PRESSURE 400 BAR, 6000 PSI
TEST PRESSURE 621 BAR, 9000 PSI
SAFETY FACTOR : 4
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Rating		Design		Manufacture		Quality	
 LIFEGUARD TECHNOLOGIES <i>The next generation in safety hoses</i>	Drawn AJY	Date		Material	Surface	Tolerance	Scale
		Name		Drawing No.			
		Life Guard Safety hose , ETFE 1/4" FNPT Stainless Steel Fittings				GPS-TF08-002-11-XXX-SBR	

72"



BILL OF MATERIALS

ITEM NO	QTY.	PART NO.	DESCRIPTION
1	2	207 521 111	END FITTING, HEAT SINK DESIGN, 1/4" W/ CROSS HOLE, BRASS
2	2	4600-06-2	FERRULE, 304 STAINLESS STEEL
3	2	207 1313	SNAP RING, BERYLLIUM COPPER
4	2	207 521 901	RETAINER, BRASS
5	2	207 521 902	PLUNGER VALVE, 1/4" BRASS
6	1	207 529 999	CABLE, 1.5 mm DIA., MONEL
7	1	435-06	TEFLON LINED HIGH PRESSURE HOSE 1/4" .PTFE, 304 SS BRAID, 18000 PSI BURST PRESSURE

LINER NO.	FINISHED HOSE DIMENSION						PROOF PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS A
	LINER I.D.		LINER WALL		HOSE O.D				
	MIN	MAX	MIN	MAX	MIN	MAX			
T1728-06	.225	.250	.030	.042	.400	.440	.140	18000	3-1/2

NOTE
CLEAN FOR OXYGEN SERVICE

MAXIMUM WORKING PRESSURE FULL VACCUM
UP TO 4500 PSIG (320BARG)
TEST PRESSURE 6750 PSIG (480 BARG) WITH NITROGEN
SAFETY FACTOR : 4

Note: The lengths are measured in inches
and replaces the XX in the part no.

PATENTED

1

9/13

RELEASED FOR PRODUCTION

ISSUE NO.

DATE

DESCRIPTION

BY

BREAK ALL SHARP CORNERS TOL. FRAC. ANG.

CONCENTRICITY

INSIDE CORNERS

DATE

BY

CH.

GA

JOB STD

ASSY.

SCALE

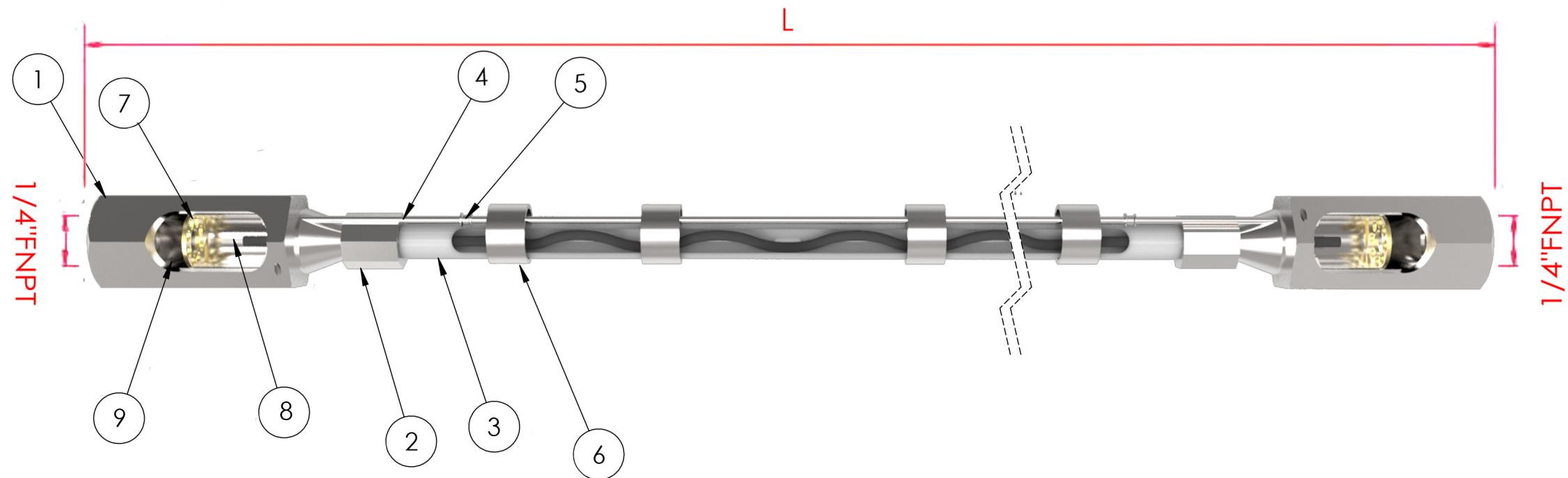
PE

TITLE

HIGH PRESSUR HOSE, 4500 PSI RATED
1/4" NPT BRASS FITTINGS/ HEAT DISSIPATORS

DWG NO.

TF04-002-12-72



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DEGREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

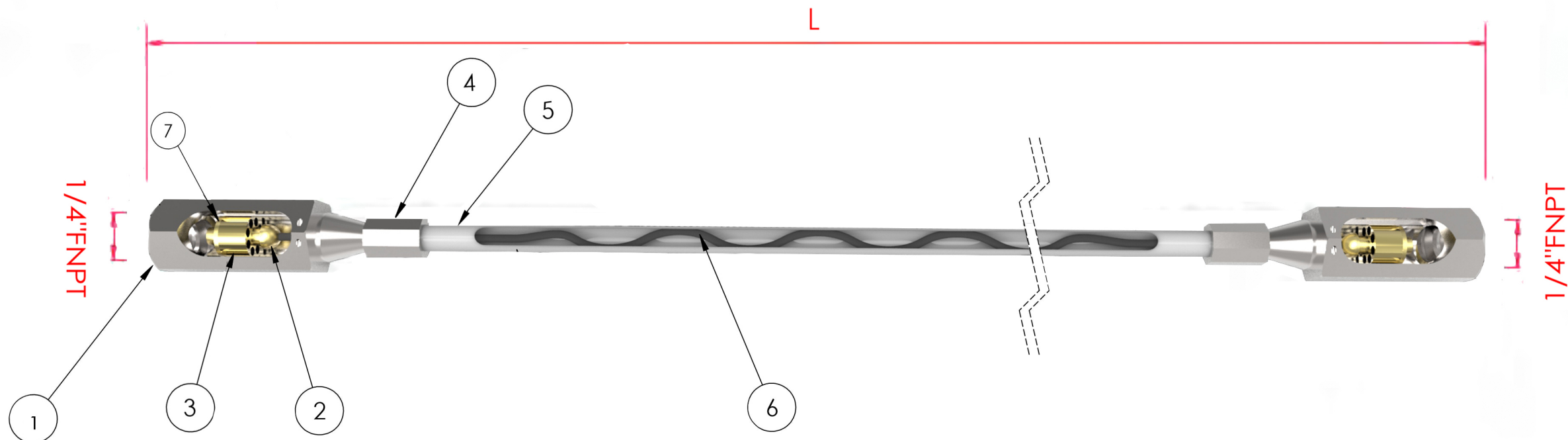
BILL OF MATERIALS

1	207 572 711	END CONNECTION 1/4" WELD CONNECTION, 1/4" FNPT THREAD, 316L STAINLESS STEEL
2	1600-05HD	WELD FERRULE, 316 STAINLESS STEEL
3	HD 52-06	HIGH PRESSURE HOSE, 1/4" 316L, 304L STAINLESS STEEL
4	207 001 099	EXTERNAL CABLE Ø 3 MM, 316L STAINLESS STEEL
5	217 200 572	CABLE LOCK
6	207 001 038	OETIKER 316L STAINLESS STEEL
7	207 1313	SNAP RING, BERYLLIUM COPPER
8	207 521 903	PLUNGER VALVE 1/4" BRASS (HEAT TREATED)
9	207 521 904	RETAINING BLOCK 1/4" BRASS (HEAT TREATED)

Note: The lengths are measured in inches and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	RKH	04-04-2017					
	Name				Drawing No.		
	High pressure hose, Stainless steel 1/4"NPT SS fittings				BH10-002-1-XX-EXC Rev A		

(A) Cable loops on the external cable excluded HC 2010-07-15



PATENTED AND PATENT PENDING

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE


BILL OF MATERIALS

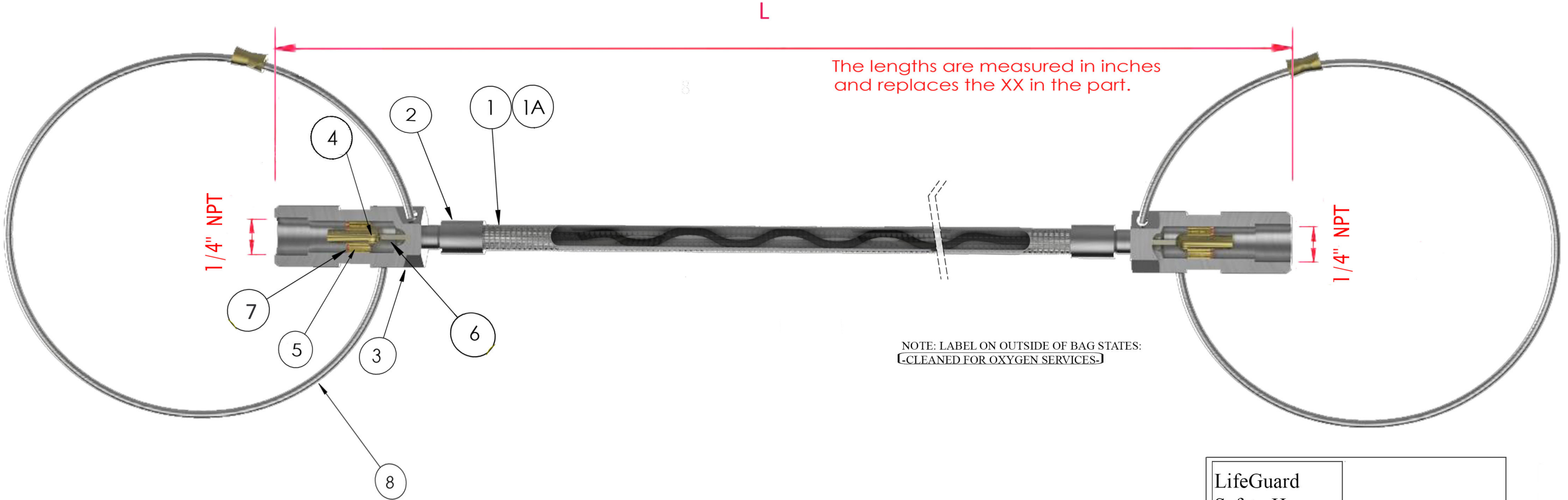
1	207 572 711	1/4", WELD CONNECTION 1/4" FNPT, THREAD 316L STAINLESS STEEL
2	207 521 902	PLUNGER VALVE 1/4", BRASS (HEAT TREATED)
3	207 521 901	RETAINING BLOCK 1/4", BRASS (HEAT TREATED)
4	1600-06HD	WELD FERRULE 316 STAINLESS STEEL
5	HD52-06	HIGH PRESSURE HOSE 1/4", 316L, 304L STAINLESS STEEL
6	207 529 999	INTERNAL CABLE, MONEL
7	207 1313	SNAP RING, BERYLLIUM COPPER

MAXIMUM WORKING PRESSURE 241 BAR, 3500 PSI
TEST PRESSURE 362 BAR, 5250 PSI
DECREASED FOR OXYGEN USE

MANUFACTURED ACCORDING TO ISO EN 34 113

Note: The lengths are measured in inches
and replaces the XX in the part no.

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	RKH	04-04-2017					
	Name				Drawing No.		
	Life Guard Safety hose, Stainless steel 1/4" NPT SS Fittings				BH09-002-11-XX		



NOTE: LABEL ON OUTSIDE OF BAG STATES:
[CLEANED FOR OXYGEN SERVICES.]

LifeGuard
Safety Hose

ALA Part Number
Working Pressure 6000 PSIG [414 BARg]
Test Pressure 9000 PSIG [621 BARg]
End Fitting 1/4"
Manufactured date:
Installation date:
Serial Number:
Manufactured by LifeGuard Tech

BILL OF MATERIALS

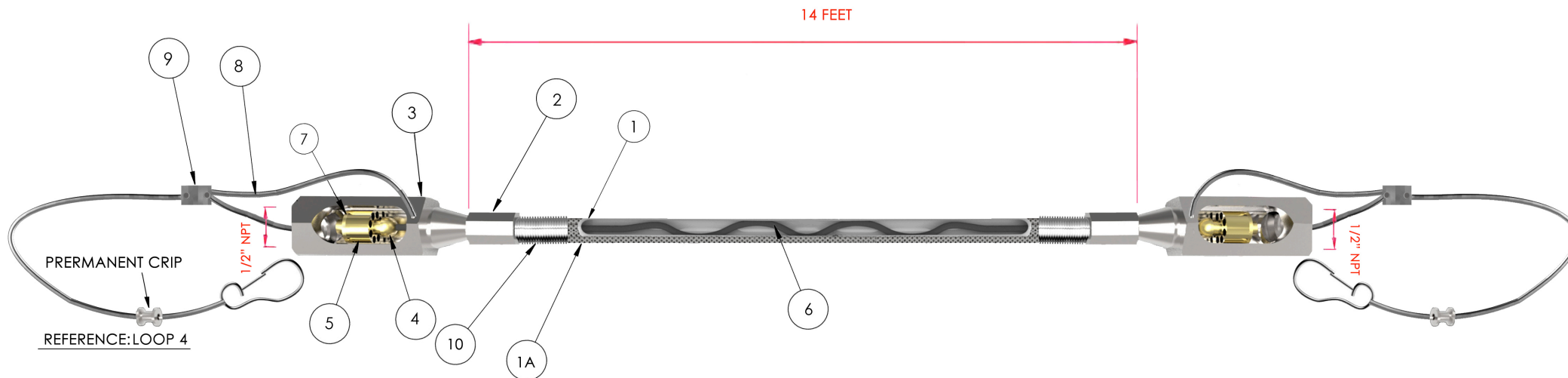
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	TEFLON 1/4"	HIGH PRESSURE HOSE,1/4" PIPE LINED,6000 PSI RATED
1A	1	SS BRD	STAINLESS BRAIDING
2	2		FERRULE, 304 STAINLESS STEEL
3	2		SAFETY HOSE FITTING,1/4" WITH CROSS HOLE, STAINLESS
4	2		PLUNGER VALVE, 1/4" BRASS
5	2		RETAINER BLOCK, 1/4" BRASS
6	1		CABLE, 1.5mm DIA, MONEL
7	2		SNAP RING, BERYLLIUM COPPER
8	2		SAFETY LOOPS

MAXIMUM WORKING PRESSURE
FULL VACCUM UP TO 6000 PSIG [414 BARg]
TEST PRESSURE 9000 PSIG [621 BARg] WITH NITROGEN

NOTE:
CLEAN FOR OXYGEN SERVICE



PART NUMBER AND DESCRIPTION				
Pxxxx... 24" X 1/4"NPT, TEFLON LINED, 414 BARg-SS ENDS(SAFETY LOOPS)				
LIFEGUARD PART NUMBERS: TF06- 002-11-24-S				
LIFEGUARD TECHNOLOGIES				
BREAK ALL SHARP CORNERS TOL. FRAC. ANG. CONCENTRICITY T.I.R INSIDE CORNERS RAD.	TITLE HIGH PRESSURE HOSE, 414 BARg RATED 1/4"NPT STAINLESS FITTINGW/SAFETY LOOPS			
	DATE	JOB	STD.	SIZE
	BY	ASSY.		DWG.NO
	CH.	SCALE		HPH-.25-300B-SS-LOOPS
QA.	PE		DATE	SIZE 1 OF 1



BILL OF MATERIALS

ITEM NO	QTY.	PART NO.	DESCRIPTION
1	1	BH22-04-11-XX	HIGH PRESSURE HOSE, 1/2" STAINLESS STEEL, 316L TUBE
1A	1	SS BRD	STAINLESS BRAIDING
2	2	4600-06-4	WELD FERRULE, 304 STAINLESS STEEL
3	2	207 572 222	SAFETY HOSE FITTING, 1/2" WITH CROSS HOLE, 316 SS
4	2	207 521 903	PLUNGER VALVE 1/2" BRASS
5	2	207 521 904	RETAINER, BRASS
6	1	207 572 991	CABLE, 1.5 mm DIA, MONEL
7	2	207 571 912	CIRCLIP RETAINING RING, 316 SS
8	1	207 001 013	EXTERNAL CABLE, 3mm DIA, 304 SS
9	2	207 001 036	CABLE LOCK ADJUSTABLE, PLATED BRASS
10	1	207 511 22	EXTERNAL ARMOUR
LOOP 4	1	LOOPS W/SNAPHOOK	LOOPS 1 PC WITH SNAPHOOK

MAXIMUM WORKINGN PRESSURE
FULL VACCUM UP TO 3600 PSG [48.3 BARg]
TEST PRESSURE 5400 PSIG [372.4 BARg] WITH NITROGEN


CTE TEST FO351

NOTE
CLEAN FOR OXYGEN SERVICE

MANUFACTURED ACCORDING TO ISO EN 34 113

CONFIDENTIAL
NOT FOR PUBLIC DISCLOSURE

PATENTED AND PATENT PENDING

Rating		Design		Manufacture		Quality	
	Drawn	Date	Material	Surface	Tolerance	Scale	
	AJY	06-04-2018					
	Name				Drawing No.		
	HIGH PRESSURE HOSE, 316L TUBE, 304SS BRAID 304SS EXTERNAL ARMOR, WITH LOOPS #4				HPH-.50-LP4		