

Cryogenic Vacuum Pump Repair Parts

Price List Revision Date 3/24/2014

The above listed date is the date of the most recent price list revisions. This document is offered as an official quotation with pricing valid at all time 90 days from the price list date.



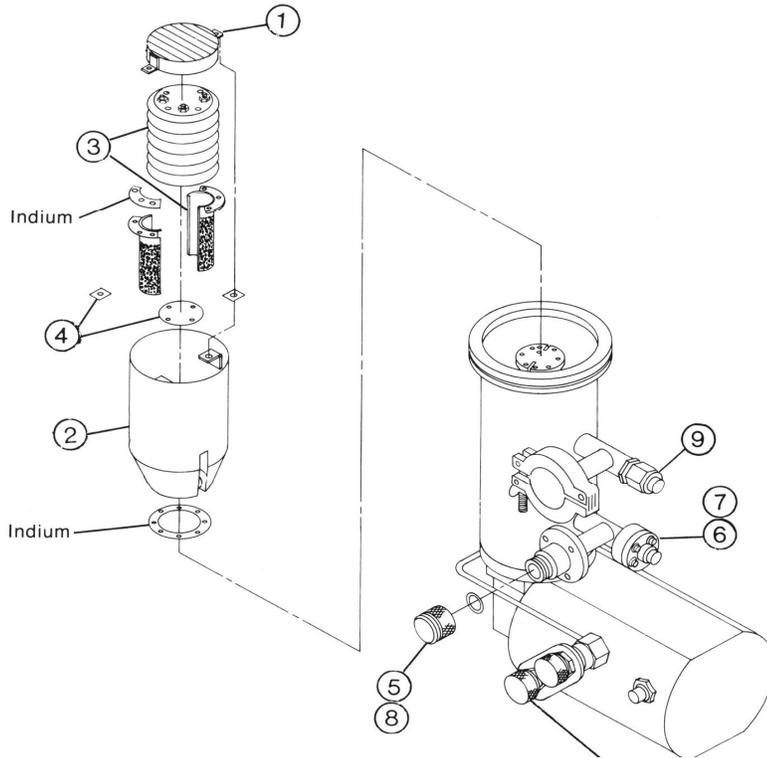
All component prices are firm fixed prices and this document should be used as an official quotation

Part numbers and prices in this electronic document are routinely updated as parts are added or discontinued.

Although prices do not change frequently they are updated as necessary depending on the cost of materials. A current electronic price list should be requested prior to placing orders.

All sales are offered subject to the terms and conditions enclosed.

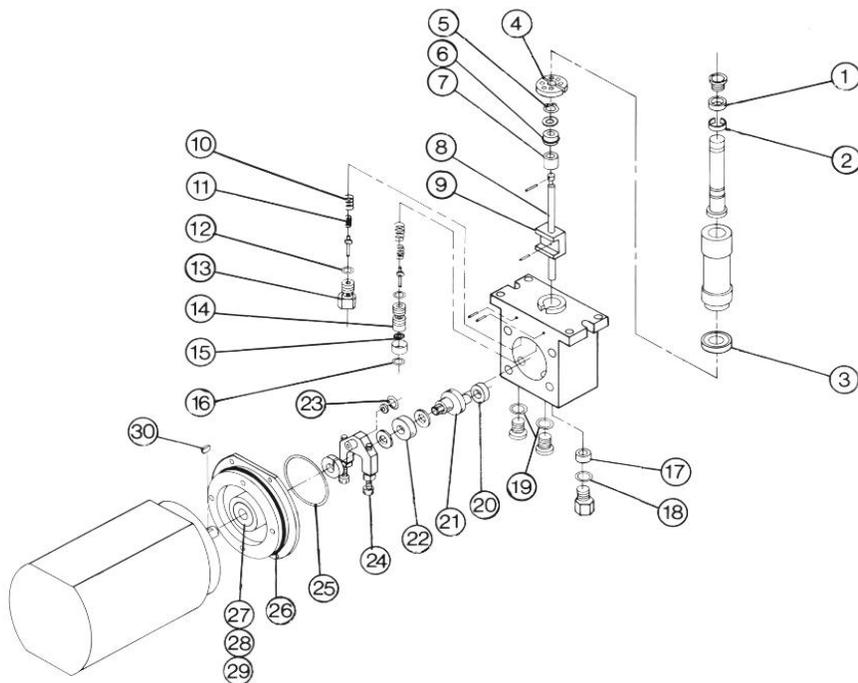
Price List as of 3/24/2014
Product Cryo-Torr 100
 Vacuum Side Components



Cryo-Torr 100

Item	Part Number	Description	Notes
1	refurbish only	80K Condensing Array	Refurbish Only
2	99-00002-100	80K Radiation Shield	Incl. I-CT 100, O-Ring, etc.
3	15KCA-100	15K Condensing Array	Incl. I-CT 100, O-Ring, etc.
4	I-CT100	Indium Gasket Set-Precut	99.99% Pure Indium
	I-3x5	Indium Sheet 3" x 5" x .005"	99.99% Pure Indium New
5	10127	Pressure Relief Valve	Improved Design Inc. Block
6	99-00002-001	Silicon Diode Temp. Sensor	and Leads Incl. Flange/
7	99-00002-000	Silicon Diode Retrofit Kit	Connector
8	SK-RV	Relief Valve Seal Kit	
9	SK-RPF	Purge Fitting Seal Kit	

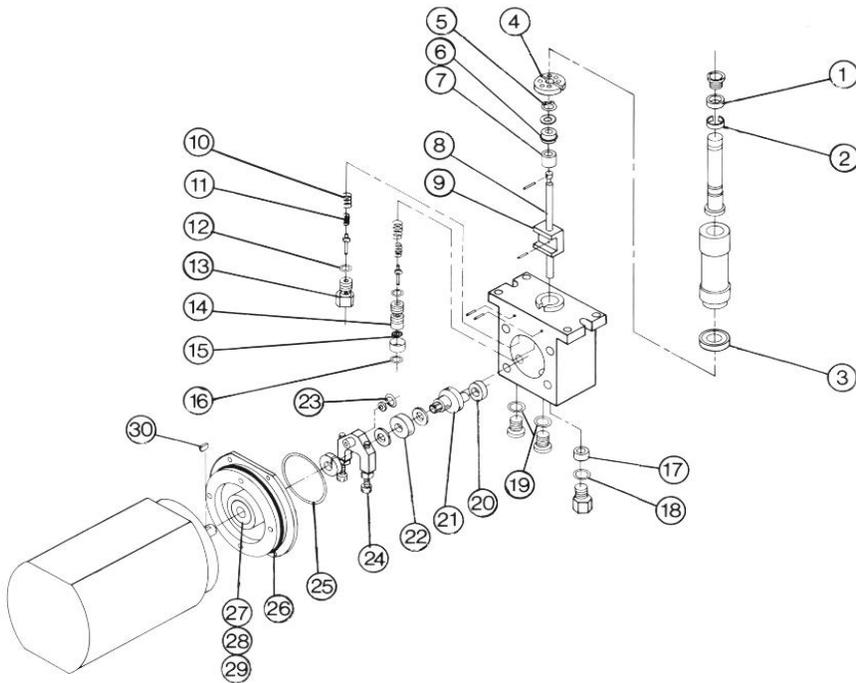
Price List as of 3/24/2014
Product CTI Cryo-Torr 7/100
Drive Unit Components



CTI Cryo-Torr 7/100
Drive Unit/ Displacer Assembly

Item	Part Number	Description
	RK-CT7	Repair Kit (Items Marked*)
1*	60215	Seal, No. 2 Displacer
2	4060-0012	Expander Ring
3*	60218	Seal, No.1 Displacer
4	60332	Cap, No.1 Displacer
5	3850-2000	Retaining Ring
6*	2540-0003	Seal Assy., Yoke
7*	1660-0009	Bushing
8	60290	Yoke Shaft & Pins
9	60291	Yoke Block
10	4155-0072	Compression Spring
11	4155-0073	Valve Spring
12*	2-010B	O-Ring, Valve
13	60195	Exhaust Valve Body
14	60196	Inlet Valve Body
15*	60217	Seal Assy., Inlet Valve
16*	2-011B	O-Ring
17*	1660-0010	Bushing
18*	2-012B	O-Ring, Drive Rod Cap
19*	2-013B	O-Ring, Plug
20*	1600-0047	Drive Bearing
21	185	Crankshaft
22*	99-00047-000	Bearing, Cam kit
23*	3850-2001	Retaining Ring
24	60229	Valve Operator Assy.
25*	2-033B	O-Ring, Motor
26*	2-042B	O-Ring, Motor Housing
27*	1600-0049	Front Bearing, Motor
28*	2-020V	O-Ring, Bearing

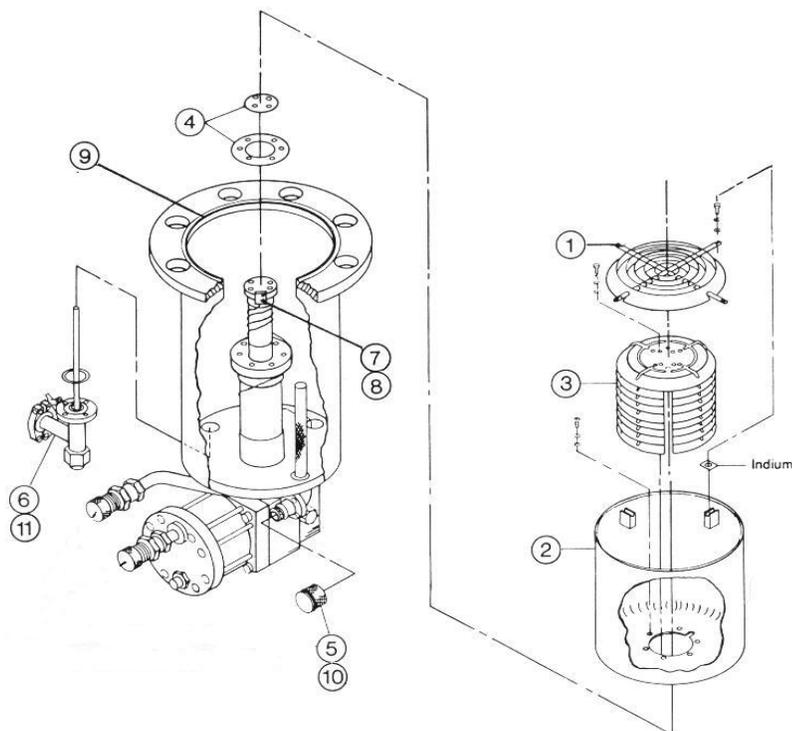
Price List as of 3/24/2014
Product CTI Cryo-Torr 7/100
Drive Unit Components



**CTI Cryo-Torr 7/100
 Drive Unit/ Displacer Assembly**

Item	Part Number	Description
29*	1600-0042	Rear Bearing, Motor
30*	2670-0002	Key, Motor Shaft
31*	2-037B	O-Ring, Cylinder

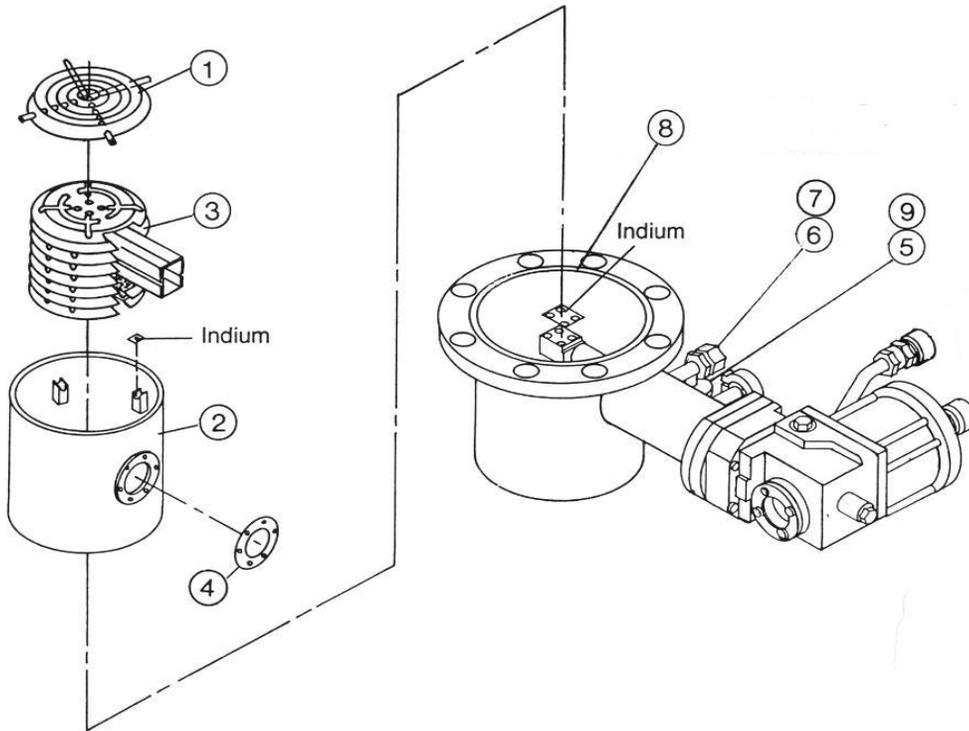
Price List as of 3/24/2014
Product Cryo-Torr 8 / CryoPlex 8
 Vacuum Side Components



Cryo-Torr CT-8 - ASC CP-8

Item	Part Number	Description	Notes
1	99-00018-008	80K Condensing Array	Incl. I-CT8, O-Ring, etc.
2	99-00022-008	80K Radiation Shield	Incl. I-CT8, O-Ring, etc.
3	15KCA-8	15K Condensing Array	Incl. I-CT8, O-Ring, etc.
4	I-CT8	Indium Gasket Set-Precut	99.99% Pure Indium
	I-3x5	Indium Sheet 3" x 5" x .005"	99.99% Pure Indium
5	10127	Pressure Relief Valve	New Improved Design
6	80029-PTA8	Regeneration Purge Fitting	Complete Assy.
7	10162	Hydrogen Vapor Bulb Assy.	Complete Kit
	99-00002-001	Silicon Diode Temp. Sensor	Incl. Block & Leads
8	99-00002-000	Silicon Diode Retrofit Kit	Incl. Flange/Connector
9	2-172V	Inlet Flange O-Ring	
10	SK-RV	Relief Valve Seal Kit	
11	SK-RPF	Purge Fitting Seal Kit	

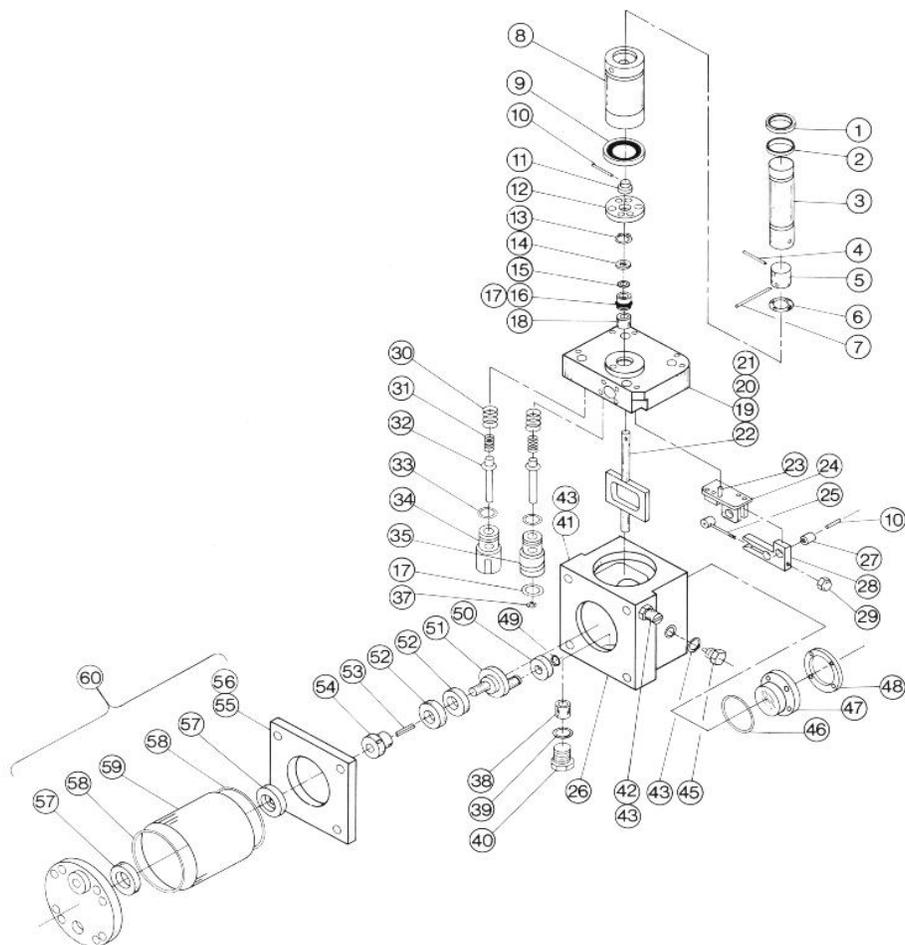
Price List as of 3/24/2014
Product Cryo-Torr 8F - Cryoplex 8LP
 Vacuum Side Components



Cryo-Torr CT-8F - ASC CP-8 and CP-8LP

Item	Part Number	Description	Notes
1	99-00018-008	80K Condensing Array	Incl. I-CT8, O-Ring, etc.
2	80KRS-8F	80K Radiation Shield	Incl. I-CT8, O-Ring, etc.
3	15KCA-8F	15K Condensing Array	Incl. I-CT8, O-Ring, etc.
4	I-CT8	Indium Gasket Set-Precut	99.99% Pure Indium
	I-3x5	Indium Sheet 3" x 5" x .005"	99.99% Pure Indium
5	10127	Pressure Relief Valve	New Improved Design
6	None	Regeneration Purge Fitting	not on CP-8LP
7	None	Hydrogen Vapor Bulb Assy.	not on CP-8LP
	99-00002-001	Silicon Diode Temp. Sensor	Incl. Block & Leads
8	99-00002-000	Silicon Diode Retrofit Kit	Incl. Flange/Connector
9	2-172V	Inlet Flange O-Ring	
10	SK-RV	Relief Valve Seal Kit	
11	SK-RPF	Purge Fitting Seal Kit	

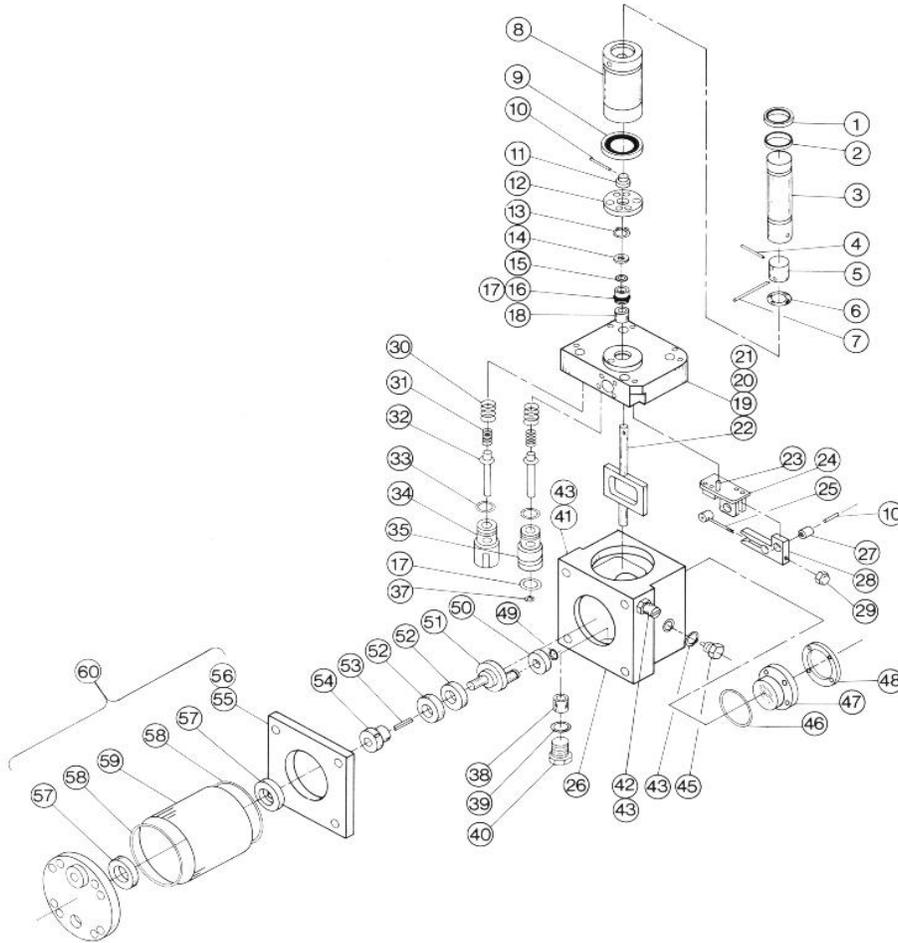
Price List as of 3/24/2014
Product CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
Drive Unit Components



**CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
 Drive Unit/ Displacer Assembly**

Item	Part Number	Description
	RK-CT8	Repair Kit (Items Marked*)
1*	L900698	Seal, No.2 Displacer
2	L900712	Tool, Seal Insertion
3	L900727	No.2 Displacer
4	3320-0005	Pin, No.2 Displacer
5	L900713	Trunnion Pin
6	4750-0031	Washer, Spring
7	L900708	Pin, No.1 Displacer
8	L900723	No. 1 Displacer
9*	L900697	Seal, No.1 Displacer
10	3320-0009	Dowel Pin
11	5400-0003	Collar Assy.
12	L900720	Cap, No.1 Displacer
13	3850-0036	Retaining Ring
14	L900686	Gland Washer
15*	L900709	Kap-Seal, Gland
16	L900702	Gland, Scotch Yoke
17	2-111B	O-Ring, Gland
18*	45-00021-001	Bushing
19	10411	Valve Plate
20*	2-234B	O-Ring, Crankcase

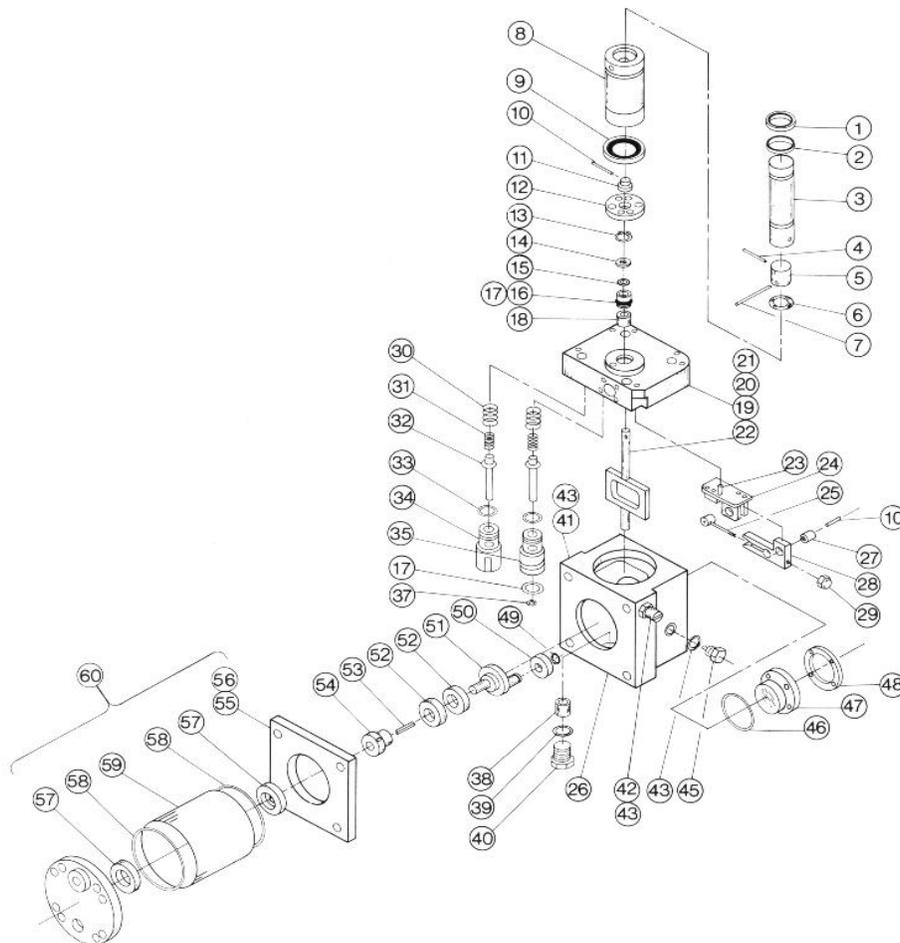
Price List as of 3/24/2014
Product CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
Drive Unit Components



**CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
 Drive Unit/ Displacer Assembly**

Item	Part Number	Description
21*	2-140B	O-Ring, Vessel
22	L900684	Scotch Yoke
23	3320-0012	Pin, Locating
24	40-00238-000	Bracket, Rocker Arm
25	L900705	Adjusting Bolt
26	60191	Crankcase
27	L900704	Bushing, Rocker Arm
28	1010-0001	Rocker Arm & Bushing
29	3160-0010	Stop Nut
30	L900695	Compression Spring
31	L900696	Valve Spring
32	L900680	Valve Stem
33*	2-013B	O-Ring, Valve
34	L900692	Exhaust Valve Body
35	L900691	Inlet Valve Body
37*	L900710	Seal, Inlet Valve
38*	45-01000-001	Bushing
39*	2-014B	O-Ring, Plug
40	L900693	Plug
41	L900694	Plug
42	10131	Relief Valve

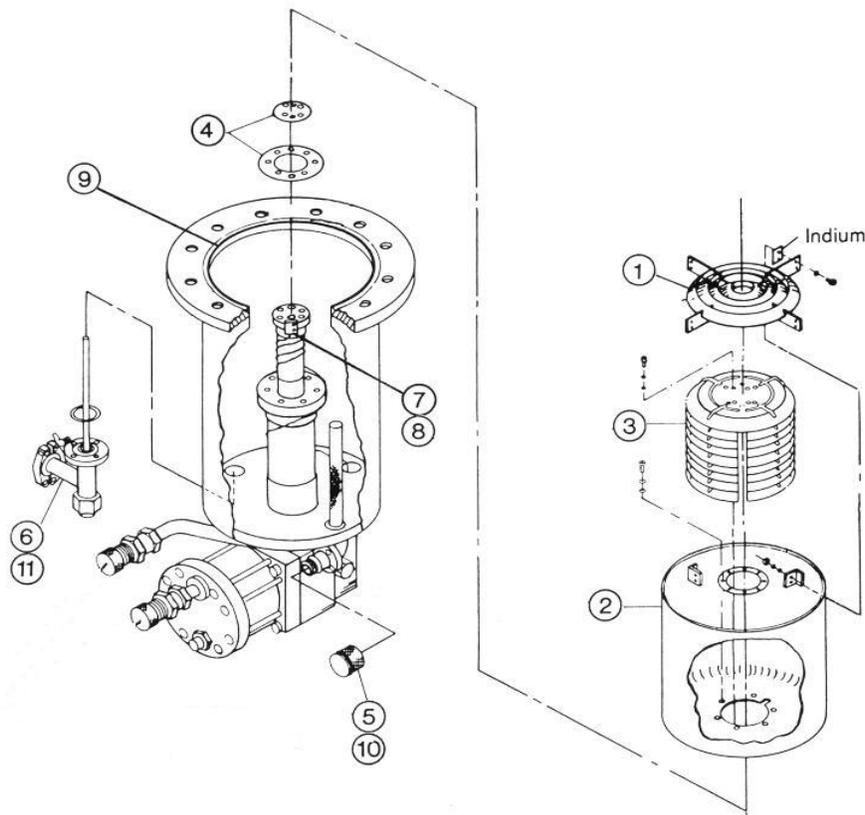
Price List as of 3/24/2014
Product CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
Drive Unit Components



**CTI Cryo-Torr 8/8F - ASC CP-8 and CP-8LP
 Drive Unit/ Displacer Assembly**

Item	Part Number	Description
43*	2-012B	O-Ring
45	L900707	Guide Pin & Plug
46*	2-129B	O-Ring, Sight Glass
47	L900685	Sight Glass
48	L900681	Retainer, Glass
49*	3850-0096	Retaining Ring
50*	1600-0043	Drive Bearing
51	L900689	Crankshaft
52*	1600-0044	Valve Bearing
53	L900682	Key
54	L900688	Valve Eccentric
55	60188	Motor Front Plate
56*	2-139B	O-Ring
57*	1600-0042	Motor Bearing
58*	2-044B	O-Ring, Motor
59	not available	Motor Housing
60	3100-0033	Drive Motor Assy.

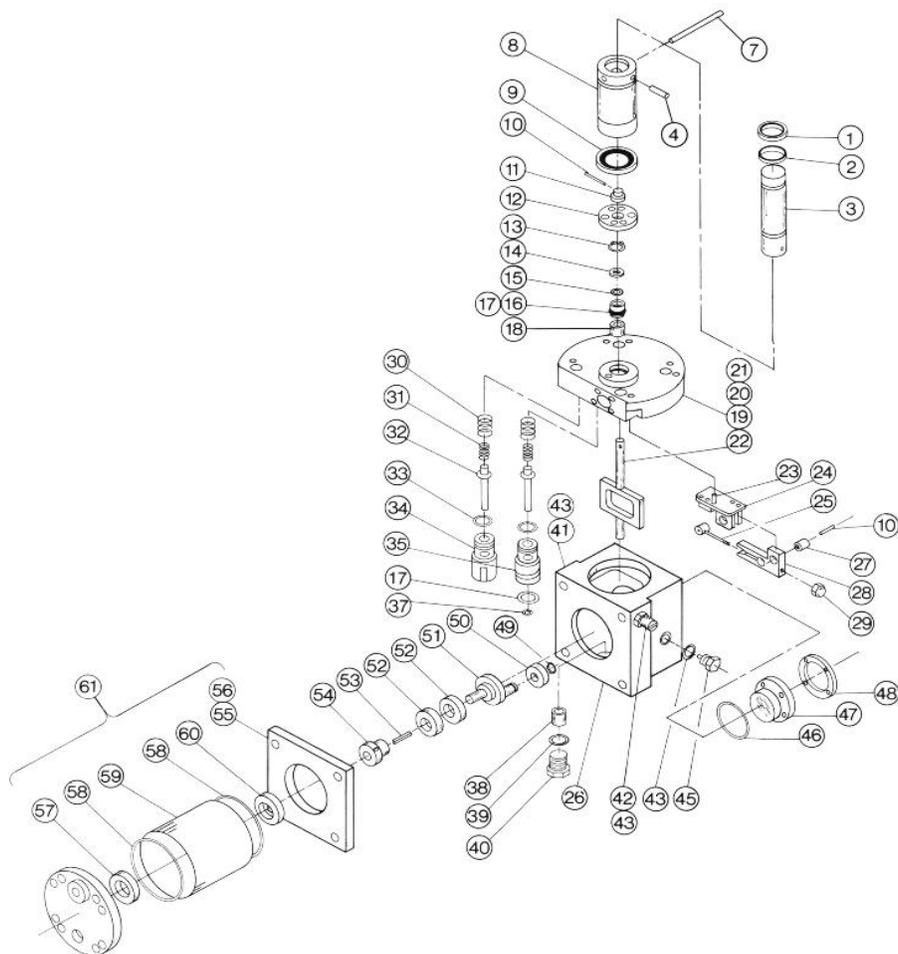
Price List as of 3/24/2014
Product Cryo-Torr 10 / Cryoplex 10
Vacuum Side Components



Cryo-Torr CT-10 - ASC CP-10

Item	Part Number	Description	Notes
1	99-00018-010	80K Condensing Array	Incl. I-CT10, O-Ring, etc.
2	80KRS-10	80K Radiation Shield	Incl. I-CT10, O-Ring, etc.
3	15KCA-10	15K Condensing Array	Incl. I-CT10, O-Ring, etc.
4	I-CT10	Indium Gasket Set-Precut	99.99% Pure Indium
	I-3x5	Indium Sheet 3" x 5" x .005"	99.99% Pure Indium
5	10127	Pressure Relief Valve	New Improved Design
6	80029-PTA10	Regeneration Purge Fitting	Complete Assy.
7	10162	Hydrogen Vapor Bulb Assy.	Complete Kit
	99-00002-001	Silicon Diode Temp. Sensor	Incl. Block & Leads
8	99-00002-000	Silicon Diode Retrofit Kit	Incl. Flange/Connector
9	2-278V	Inlet Flange O-Ring	
10	SK-RV	Relief Valve Seal Kit	
11	SK-RPF	Purge Fitting Seal Kit	

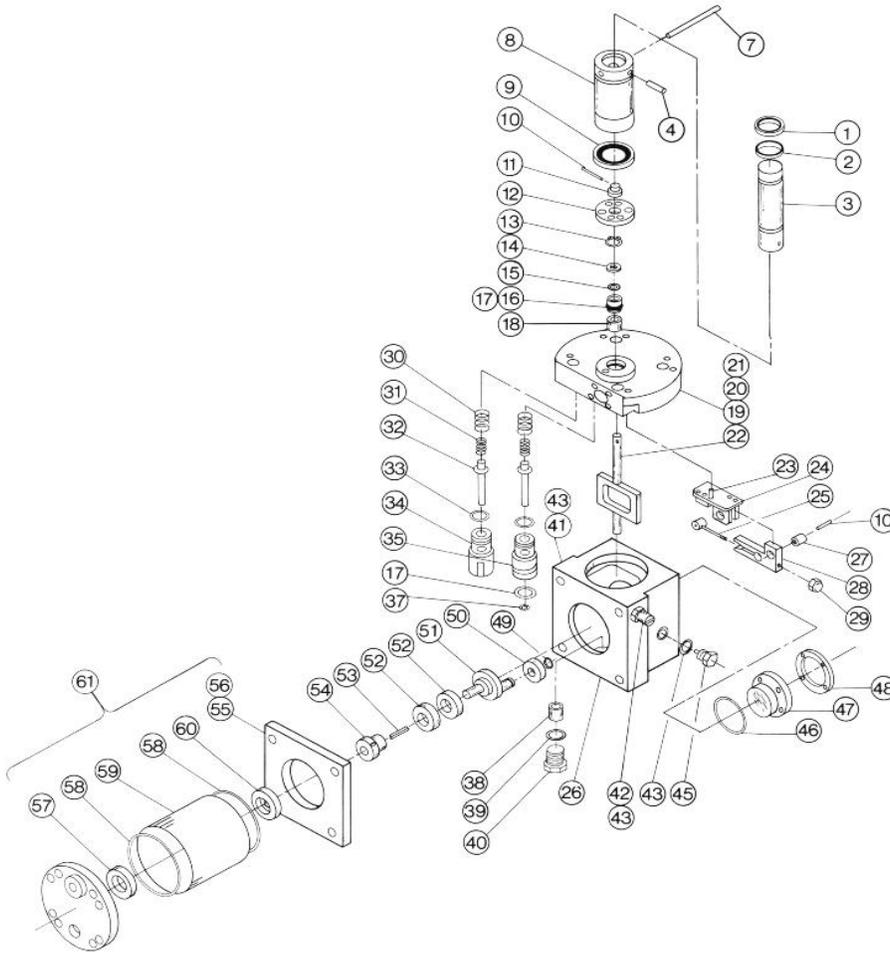
Price List as of 3/24/2014
Product CTI Cryo-Torr 10 - ASC CP-10
Drive Unit Components



CTI Cryo-Torr 10 - ASC CP-10
Drive Unit/ Displacer Assembly

Item	Part Number	Description
	RK-CT10	Repair Kit (Items Marked*)
1*	60372	Seal, No. 2 Displacer
2	60443	Tool, Seal Insertion
3	10174	No. 2 Displacer
4	60386	Pin, No. 2 Displacer
7	60213	Pin, No. 1 Displacer
8	10175	No. 1 Displacer
9*	4060-0017	Seal, No.1 Displacer
10	3320-0009	Dowel Pin
11	5400-0003	Collar Assy.
12	60232	Cap, No.1 Displacer
13	3850-0036	Retaining Ring
14	L900683	Gland Washer
15*	L900709	Kap-Seal, Gland
16	L900702	Gland, Scotch Yoke
17*	2-111B	O-Ring, Gland
18*	45-00021-001	Bushing
19	10414	Valve Plate
20*	2-234B	O-Ring, Crankcase
21*	2-232V	O-Ring, Vessel
22	60223	Scotch Yoke

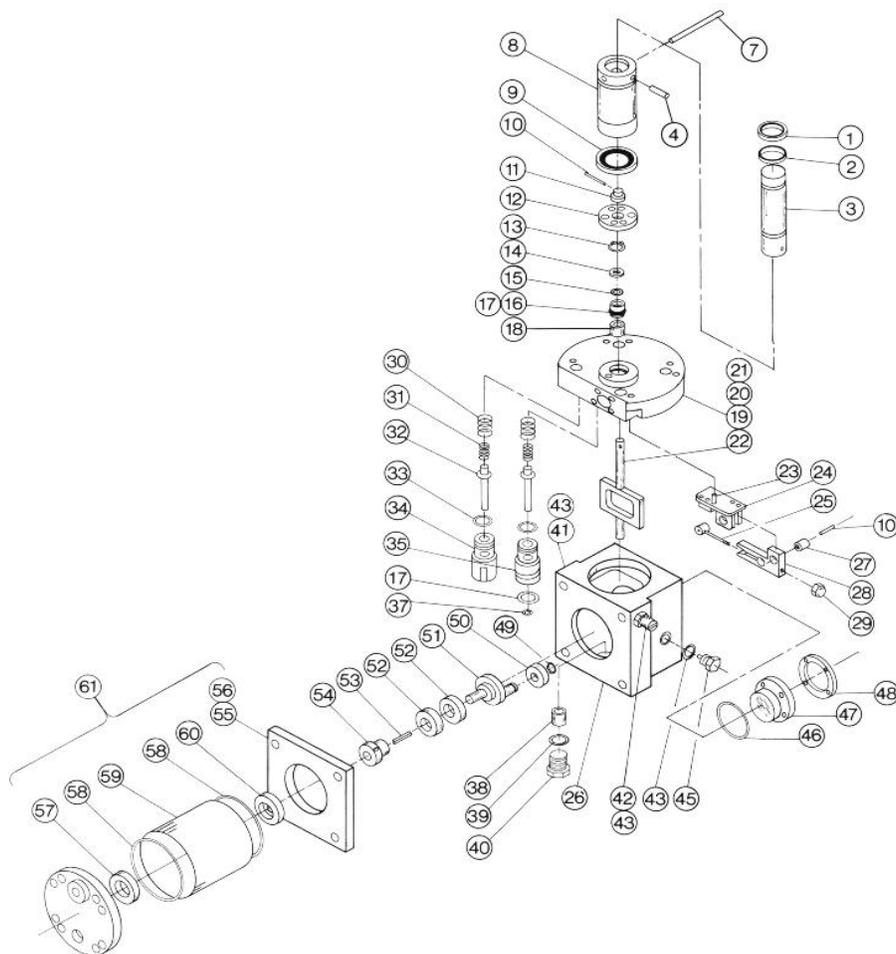
Price List as of 3/24/2014
Product CTI Cryo-Torr 10 - ASC CP-10
Drive Unit Components



CTI Cryo-Torr 10 - ASC CP-10
Drive Unit/ Displacer Assembly

Item	Part Number	Description
23	3320-0012	Pin, Locating
24	40-00238-000	Bracket, Rocker Arm
25	L900705	Adjusting Bolt
26	60191	Crankcase
27	L900704	Bushing, Rocker Arm
28	1010-0001	Rocker Arm & Bushing
29	3160-0010	Stop Nut
30	L900695	Compression Spring
31	L900696	Valve Spring
32	L900680	Valve Stem
33*	2-013B	O-Ring, Valve
34	L900692	Exhaust Valve Body
35	L900691	Inlet Valve Body
37*	L900710	Seal, Inlet Valve
38*	45-01000-001	Bushing
39*	2-014B	O-Ring, Plug
40	L900693	Plug
41	L900694	Plug
42	10131	Relief Valve
43*	2-012B	O-Ring
45	L900707	Guide Pin & Plug

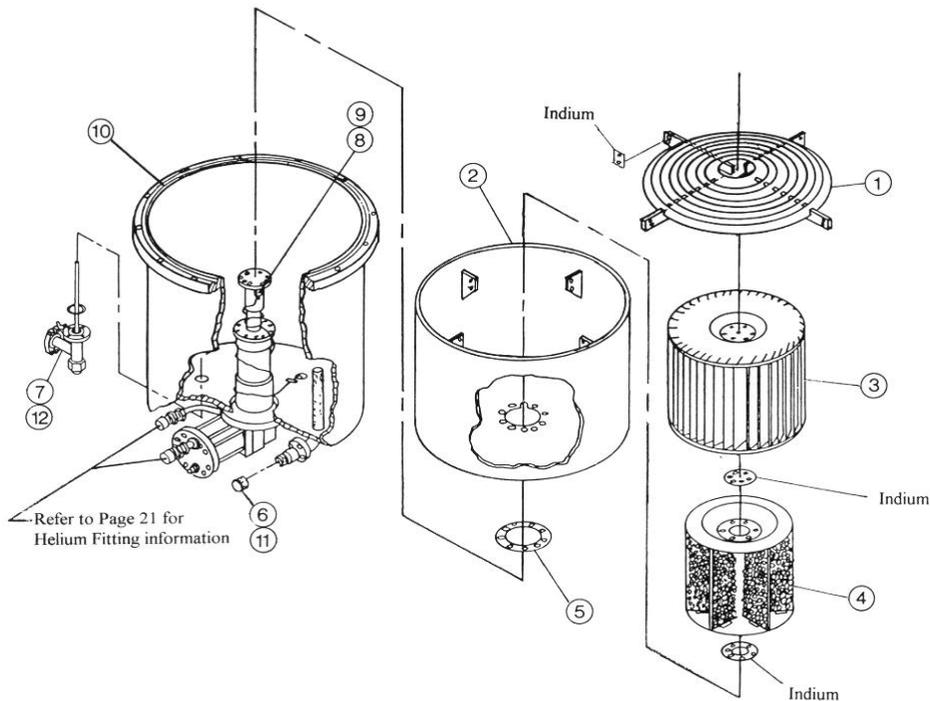
Price List as of 3/24/2014
Product CTI Cryo-Torr 10 - ASC CP-10
Drive Unit Components



**CTI Cryo-Torr 10 - ASC CP-10
 Drive Unit/ Displacer Assembly**

Item	Part Number	Description
46*	2-129B	O-Ring, Sight Glass
47	L900685	Sight Glass
48	L900681	Retainer, Glass
49*	3850-0096	Retaining Ring
50*	1600-0043	Drive Bearing
51	60224	Crankshaft
52*	1600-0044	Valve Bearing
53	L900682	Key
54	L900688	Valve Eccentric
55	40-00080-001	Motor Front Plate
56*	2-134B	O-Ring
57*	1600-0045	Motor Bearing
58*	2-044B	O-Ring, Motor
59	not available	Motor Housing
60*	1600-0042	Motor Bearing
61	3100-0034	Drive Motor Assy.
62*	2-157B	O-Ring, Cylinder

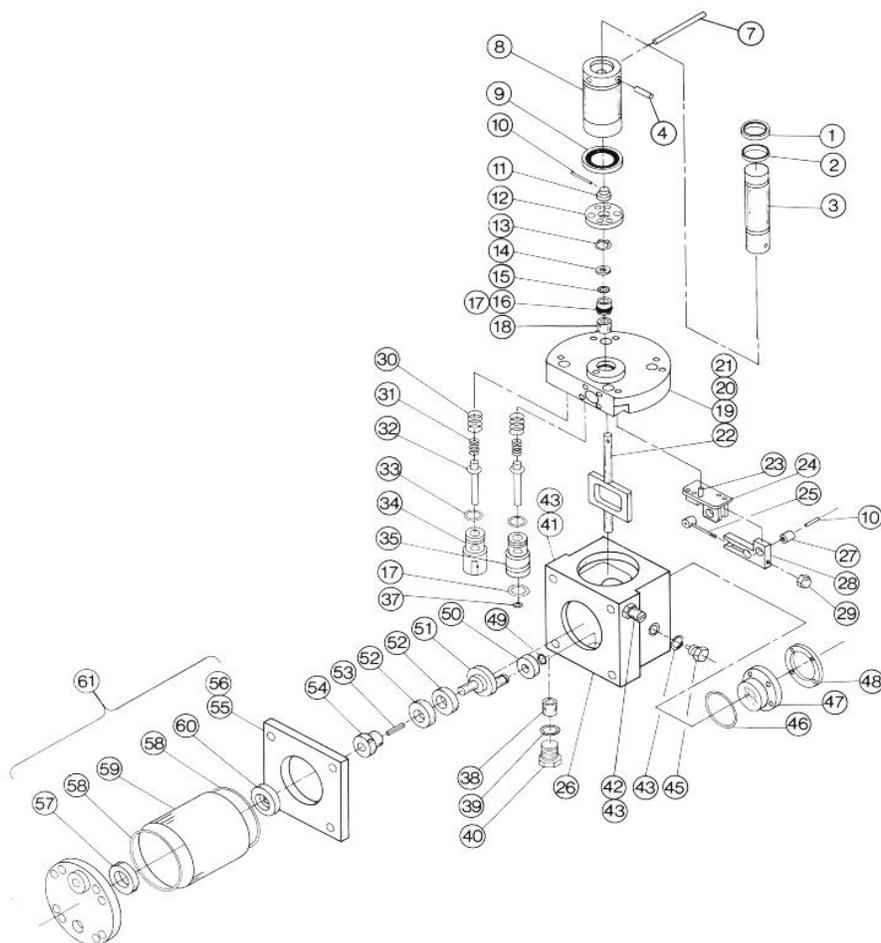
Price List as of 3/24/2014
Product Cryo-Torr CT-400 - ASC CP-16
 Vacuum Side Components



Cryo-Torr CT-400 - ASC CP-16

Item	Part Number	Description	Notes
1	99-00018-016	80K Condensing Array	Incl. I-CT400, O-Ring, etc.
2	99-00022-016	80K Radiation Shield	Incl. I-CT400, O-Ring, etc.
3	15KCA-400	15K Condensing Array	Incl. I-CT400, O-Ring, etc.
4	15KCAA-400	15K Cryo-Adsorbing Array	Incl. I-CT400, O-Ring, etc.
5	I-CT400	Indium Gasket Set-Precut	99.99% Pure Indium
	I-3x5	Indium Sheet 3" x 5" x .005"	99.99% Pure Indium
6	10127	Pressure Relief Valve	New Improved Design
7	80029-PTA16	Regeneration Purge Fitting	Complete Assy.
8	10162	Hydrogen Vapor Bulb Assy.	Complete Kit
	99-00002-001	Silicon Diode Temp. Sensor	Incl. Block & Leads
	99-00002-000	Silicon Diode Retrofit Kit	Incl. Flange/Connector
10	2-462V	Inlet Flange O-Ring	
11	SK-RV	Relief Valve Seal Kit	
12	SK-RPF	Purge Fitting Seal Kit	

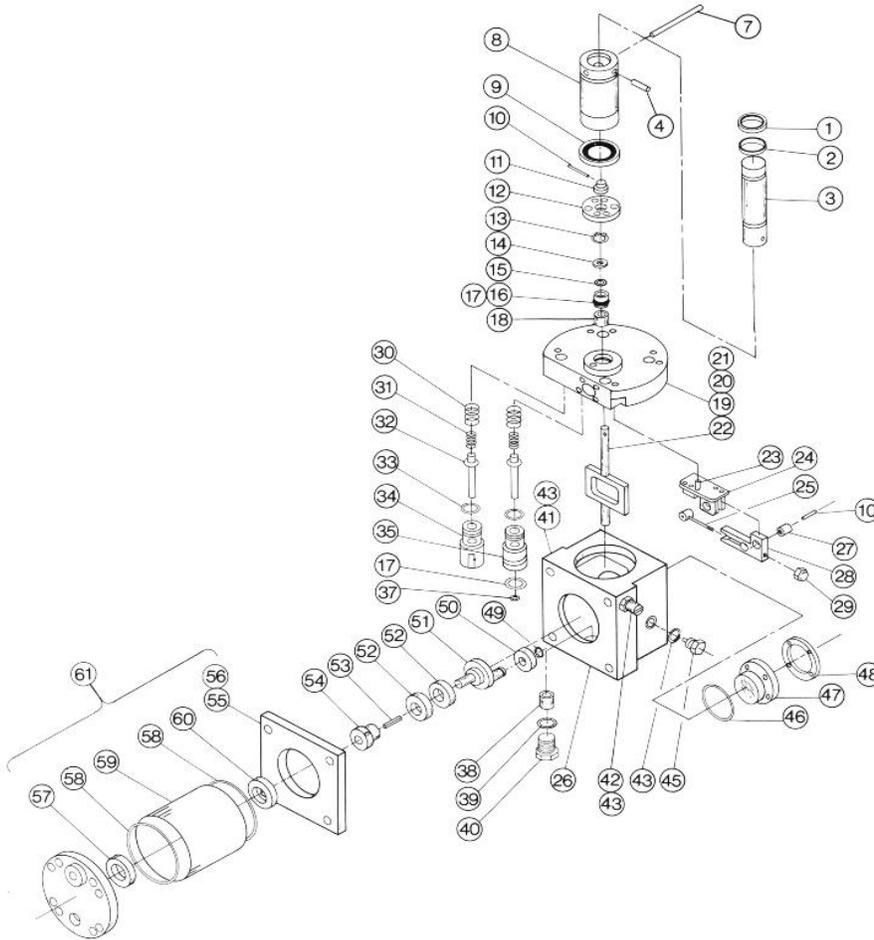
Price List as of 3/24/2014
Product Cryo-Torr CT-400/500 - ASC CP-16
Drive Unit Components



CTI Cryo-Torr 400/500 - ASC CP-16
Drive Unit/ Displacer Assembly

Item	Part Number	Description
	RK-CT500	Repair Kit (Items Marked*)
1*	L900698	Seal, No. 2 Displacer
2	L900702	Tool, Seal Insertion
3	10177	No. 2-Displacer
4	60386	Pin, No. 2 Displacer
7	60213	Pin, No. 1 Displacer
8	10176	No. 1 Displacer
9*	4060-0017	Seal, No.1 Displacer
10	3320-0009	Dowel Pin
11	5400-0003	Collar Assy.
12	60232	Cap, No.1 Displacer
13	3850-0036	Retaining Ring
14	L900683	Gland Washer
15*	L900709	Kap-Seal, Gland
16	L900702	Gland, Scotch Yoke
17*	2-111B	O-Ring, Gland
18*	45-00021-001	Bushing
19	10414	Valve Plate
20*	2-234B	O-Ring, Crankcase
21*	2-232V	O-Ring, Vessel

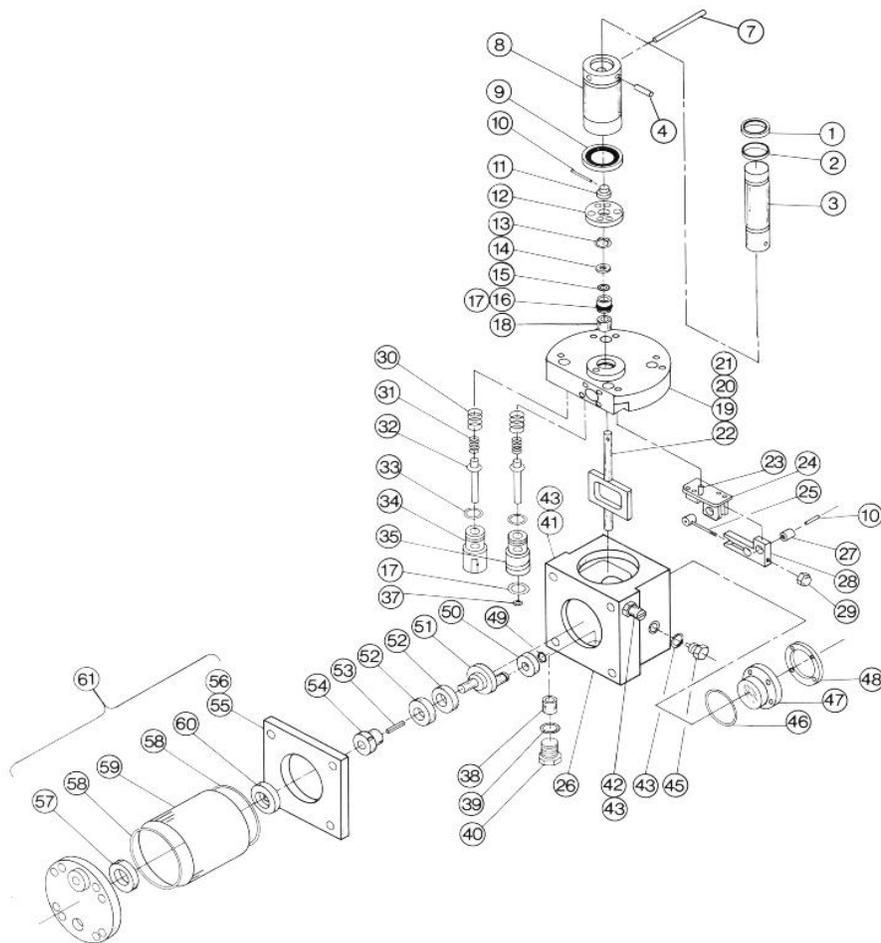
Price List as of 3/24/2014
Product Cryo-Torr CT-400/500 - ASC CP-16
Drive Unit Components



CTI Cryo-Torr 400/500 - ASC CP-16
Drive Unit/ Displacer Assembly

22	60223	Scotch Yoke
23	3320-0012	Pin, Locating
24	40-00238-000	Bracket, Rocker Arm
25	L900705	Adjusting Bolt
26	60191	Crankcase
27	L900704	Bushing, Rocker Arm
28	1010-0001	Rocker Arm & Bushing
29	3160-0010	Stop Nut
30	L900695	Compression Spring
31	L900696	Valve Spring
32	L900680	Valve Stem
33*	2-013B	O-Ring, Valve
34	L900692	Exhaust Valve Body
35	L900691	Inlet Valve Body
37*	L900710	Seal, Inlet Valve
38*	45-01000-001	Bushing
39*	2-014B	O-Ring, Plug
40	L900693	Plug
41	L900694	Plug
42	10131	Relief Valve
43*	2-012B	O-Ring
45	L900707	Guide Pin & Plug

Price List as of 3/24/2014
Product Cryo-Torr CT-400/500 - ASC CP-16
Drive Unit Components

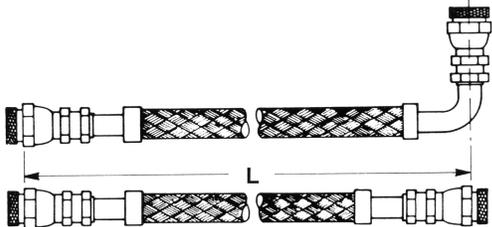
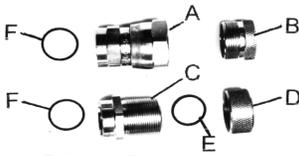


**CTI Cryo-Torr 400/500 - ASC CP-16
 Drive Unit/ Displacer Assembly**

46*	2-129B	O-Ring, Sight Glass
47	L900685	Sight Glass
48	L900681	Retainer, Glass
49*	3850-0096	Retaining Ring
50*	1600-0043	Drive Bearing
51	60224	Crankshaft
52*	1600-0044	Valve Bearing
53	L900682	Key
54	L900688	Valve Eccentric
55	60219	Motor Front Plate
56*	2-139B	O-Ring
57*	1600-0042	Motor Bearing
58*	2-044B	O-Ring, Motor
59	not available	Motor Housing
60*	1600-0046	Motor Bearing
61	3100-0034	Drive Motor Assy.
62*	2-157B	O-Ring, Cylinder

Price List as of
Spares & Accessories

Helium Lines and Fittings

<p>Part Number / Description</p> <p>HL-10 10 Foot Helium Line with straight ends</p> <p>HL-20 20 Foot Helium Line with straight ends</p> <p>HL-10-90 10 Foot Line with 90 degree angle at one end</p> <p>HL-20-90 20 Foot Line with 90 degree angle at one end</p> <p>3/4" Helium lines <i>Increase your flow for longer distances</i></p> <p>HL-34-60 3/4" Inside Diameter helium lines with 1/2" aeroquip fittings</p>	<p>Oxford Instruments Austin helium lines and adaptors are fabricated from stainless steel and equipped with Aeroquip couplings. All assemblies are carefully cleaned, leak checked, decontaminated and charged with 99.999% pure helium. Special configurations are available.</p>  <p>1/2" Line with 1/2" couplings -90 for elbow on one end braided SS over corrugated flexible line for increased life</p>																		
<p>Helium Tee P/N - T-MMF</p>  <p>Helium Elbow P/N - EL-MF</p>  <p>Helium Bulkhead Union P/N - BU-MM</p> 	<p>Aeroquip Fittings</p> <table border="0"> <tr><td>A</td><td>Coupling Female</td><td>5400-S5-8</td></tr> <tr><td>B</td><td>Dust Plug</td><td>5400-S8-8</td></tr> <tr><td>C</td><td>Coupling Male</td><td>5400-S2-8</td></tr> <tr><td>D</td><td>Dust Cap</td><td>5400-S6-8</td></tr> <tr><td>E</td><td>Flat Gasket</td><td>22008-8</td></tr> <tr><td>F</td><td>O-ring</td><td>22546-17</td></tr> </table> 	A	Coupling Female	5400-S5-8	B	Dust Plug	5400-S8-8	C	Coupling Male	5400-S2-8	D	Dust Cap	5400-S6-8	E	Flat Gasket	22008-8	F	O-ring	22546-17
A	Coupling Female	5400-S5-8																	
B	Dust Plug	5400-S8-8																	
C	Coupling Male	5400-S2-8																	
D	Dust Cap	5400-S6-8																	
E	Flat Gasket	22008-8																	
F	O-ring	22546-17																	
<p>Three Port Manifold P/N - 80075</p> 	<p>Stainless Steel 10' Helium Charge Line P/N 10346</p>																		
<p>Maintenance Manifold P/N - 10134</p> 	<p>Cryopump Helium Fittings</p> <table border="0"> <tr><td>A</td><td>CT-8 Return</td><td>P/N 99-00046-000</td></tr> <tr><td>B</td><td>CT-8 Supply</td><td>P/N 99-00046-001</td></tr> <tr><td></td><td>CT-10 Supply</td><td>P/N 99-00046-002</td></tr> </table> 	A	CT-8 Return	P/N 99-00046-000	B	CT-8 Supply	P/N 99-00046-001		CT-10 Supply	P/N 99-00046-002									
A	CT-8 Return	P/N 99-00046-000																	
B	CT-8 Supply	P/N 99-00046-001																	
	CT-10 Supply	P/N 99-00046-002																	

Price List as of
 Spares & Accessories

Cryopump Regeneration Accessories

Roughing Valve

PAV-075-CP	P/N 10191
220V PAV-075-CP	P/N 99-00011-002
Full UHV/CF	P/N 10329

Burst Disc

1.33 Mini Conflat	P/N BD-133
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Blanket heaters: *Improve regeneration time with heat*

Part Number	Description
BH-100	CT-100
BH-8	CP/CT-8
BH-8F	CT-8F/CP-8LP
BH-10	CP-10/CT-10
BH-16	CP-16/CT-400



Purge Gas Valve

PGV-115	P/N 10185
PGV-220	P/N 99-00006-220
PGV-24 AC Voltage	P/N 99-00006-024
PGV-24 DC Voltage	P/N 99-00038-024
PGV-115-UHV	PGV-115-UHV



Purge Gas Heater

PGH100, LV	P/N 10340
PGH100, HV	P/N 99-00007-220



Helium Regulator

P/N HR-580



Oxford Instruments Austin DBA
Austin Scientific Company

GENERAL TERMS AND CONDITIONS OF QUOTATION AND SALE

1. DEFINITIONS

1.1. In these terms ("Terms"):

"**Quotation**" means this Quotation and any written supplements or amendments approved by the Company.

"**Contract**" means the agreement between the Purchaser and the Company for the supply of the Goods on the terms and conditions stipulated herein. An Agreement shall arise upon the Purchaser's acceptance of this Quotation or placement of an order and shall, in either case, include

"**Goods**" means the goods listed in the Quotation or which the Company otherwise agrees to supply to the Purchaser including goods previously sold by the Company which are to be the subject of total refurbishment or reconditioning by the Company (including in any case instalments or

"**Purchaser**" means the purchaser of the Goods as stated in any applicable AO.

2. QUOTATIONS, SPECIFICATION, VARIATION AND CANCELLATION

2.1. The prices quoted herein or on an attached list expire if not accepted within 90 Days hereof. The Company will attempt to provide notice of any change, but reserves the right to change prices without notice. All prices are quoted "Ex Works " unless otherwise agreed upon in writing with

2.2. No order or acceptance shall be effective if it varies these Terms and Conditions or proposes additional terms. Any such proposals shall be

2.3. The Company may alter the specification of any Goods if this does not materially affect their performance or utility.

2.4. Orders may be cancelled on the condition that Purchaser pays the Company for all completed work allocated to Purchaser's order at time of termination of work at the retail price plus all other costs, direct and indirect, for work in process, as well as costs resulting from the cancellation,

3. PRICES AND METHODS OF PAYMENT

3.1 The sales price for the Goods shall be that set forth in the Quotation or confirmed in any acknowledgement of order. If no price has been quoted or confirmed, the price shall be the Company's listed retail price as in effect at the time of the delivery.

3.2. Payment shall be due within the time period set forth in the Quotation and the Purchaser shall pay to the Company interest on any past due balance at the rate of 1.5% per month or at the highest rate provided by law on all past due accounts. Time of payment is of the essence of each Contract. Without limiting the Company's remedies if payment is overdue, all costs incurred to collect such amount, including collection agency fees, court costs, and/or attorneys fees, shall be paid by Purchaser. Payments shall be made at the Company's office in Austin, Texas.

3.3. Purchaser acknowledges that the Company has the right to grant or deny in part or whole, at its sole discretion, an extension of credit to Purchaser, to refuse the further extension of credit, or require a deposit or full payment, in the form of a cash advance or letter or credit, as a condition of shipment. The Company shall not be required to proceed with performance of this Contract while Purchaser is in default under this or any other contract or agreement with the Company, or upon the suspension of business, insolvency, bankruptcy, or liquidation of Purchaser.

3.4. If any variation or change in the Goods is requested by the Purchaser and agreed to by the Company or required to comply with applicable law, the Company may make reasonable additional charges to the price. In such cases, the Company may have additional time to complete the

3.5. All prices are quoted exclusive of all governmental taxes of any kind. The Company will add to the invoice the amount of any tax, such as sales taxes, which it is required to collect or pay upon the sale or delivery of Goods.

4. DELIVERY AND RISK OF LOSS

4.2. All prices for goods are stated on the basis of "Ex Works" delivery. Purchaser shall be responsible for making any other delivery arrangements on its own and at its own cost and risk of loss. the Purchaser may instruct the Company, in writing, to make of delivery arrangements on the Purchaser's behalf and at its cost and risk but the following shall apply: (a) unless specified by the Purchase, the Company will have discretion to select the method of delivery, carrier, insurer and import broker, as necessary; (b) time shall not be of the essence as to any delivery schedule; and (c) the Company will not be responsible, or assume any liability, consequential or other, for any delay or failure to deliver all or any part of ordered Goods for any reason; and (d) all costs of these services shall be added to the Purchaser's invoice and be due and payable at the

4.3. The Company may deliver Goods in instalments. Delay in delivery of any instalments will not entitle the Purchaser to refuse acceptance or

4.4. If the Purchaser fails to take delivery or to give adequate delivery instructions,, the Company may (without prejudice to its other rights) store or dispose of the Goods, in which case the Purchaser shall pay to the Company upon request the amount of any reasonable storage or disposal

4.5. Risk of loss for all Goods shall pass to Purchaser upon delivery "Ex Works". he Company shall not be responsible for any delays in delivery

4.6. The Purchaser shall clear the Goods for export from the United States and import into the country of delivery, unless the Seller is instructed in writing to do so on the Purchaser's behalf.

5. INSPECTION AND ACCEPTANCE

5.2. Purchaser shall inspect and test Goods promptly following delivery and shall give written notice, stating the specific defect or other reason for rejection, to the Company of any claim ("Notice of Return") prior to the expiration of 15 days following delivery. Purchaser will be precluded from relying on defects that are not stated in the Notice of Return as a basis for justifying rejection or claiming breach. In the absence of a timely Notice of Return, the Goods shall be deemed to comply with the Contract and the Purchaser shall be deemed to have accepted them.

5.3. If Goods are delivered in instalments, the delivery of nonconforming Goods, or a default of any nature, in relation to one of more instalment(s) will not substantially impair the value of the contract as a whole nor will it constitute a total breach of the Contract.

5.4. No Goods may be returned prior to the Company's receiving the Notice of Return and without the Company providing prior written approval for such return. Goods returned to the Company must be properly packed, shipped and insured by the Purchaser, at the Purchaser's expense. The Company will return repaired or replacement Goods at its expense.

5.5. No credit allowance or replacements will be effected until alleged defects are established to the Company's satisfaction by tests and inspections to be performed by the company at a reasonable time and place it designates.

5.6. Risk of loss of Goods or merchandise sent to the company for any reason shall remain with the Purchaser until the Company receives such Goods or merchandise at its facilities.

6. LIMITED WARRANTY AND REMEDY; DISCLAIMERS

6.2. The Company warrants for a period of 12 months from the date of shipment ("Warranty Period") that (a) all goods manufactured by it, and (b) all goods manufactured by it which are the subject of total refurbishment, overhaul or reconditioning by it, are free from defects in material or workmanship under normal use and service. There shall be no warranty on consumables. Any such goods found to be defective within the Warranty Period shall be repaired or replaced, at the Company's option, at no cost in materials or labor to the Purchaser, provided that:

- (a) the Purchaser gives written notice of the defect (with reasonable relevant information) to the Company as soon as reasonably practicable and
- (b) the Goods have been used solely for their proper purpose and in accordance with the operating instructions;
- (c) the defect has not been caused by fire, accident, misuse, neglect, incorrect installation by the Purchaser or its customers, agents or servants, unauthorised alteration, repair or maintenance or the use of sub-standard consumables and as not arisen from fair wear and tear;
- (d) the defect has not arisen from any design, specification, component or material supplied by or on behalf of the Purchaser;
- (e) no part of the Goods has been replaced with a part not supplied or approved by the Company;
- (f) payment in full of all sums due in respect of the Goods has been made;
- (g) the Purchaser shall be liable for any costs incurred by the Company in responding to claims caused by operator error or incorrect application or other default of the Purchaser or other third party; and
- (h) the Purchaser shall pay the costs of all consumables.

6.3. Any Goods, or part thereof, which are replaced or repaired under this warranty will have a warranty period equal to the unexpired portion of the Warranty Period of the original Goods or part that failed, as the case may be.

6.4. The Company, at its option, may repair the Goods at the site of the Purchaser or direct the Purchaser to have such Goods returned to the Company's premises. If repairs are made at the location of the Purchaser, the Company will not charge for the cost of materials or labor but will, at its discretion, charge travelling and subsistence expenses incurred by the Company's representatives; the Purchaser shall accord the Company and its representatives or agents sufficient and timely access to the Goods to enable its staff to inspect and adjust, repair, remove or replace the Goods. Should the Company elect to have Purchaser return the Goods, the Purchaser shall do so in compliance with the provisions of Section

6.5. If the Goods incorporate goods or services provided by a third party, the obligations of the Company in respect of such goods or services shall not exceed the warranty obligations of such third party to the Company nor exceed any time limit upon those obligations.

6.6. Except for the foregoing, the company makes no warranties or representations as to the Goods and to the fullest extent permitted by law disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for particular purpose. The replacement or repair of Goods under warranty shall represent Customer's sole remedy hereunder for breach of

7. LIMITATION OF LIABILITY

7.2. The Company shall not be responsible for incidental, consequential or special damages of any kind and in no event shall be responsible for damages in excess of the purchase price of the particular Goods at issue, cost of procurement of substitute goods, interruption of business or loss

8. TERMINATION OF CONTRACT

8.2. The Company may terminate any or all of the Contract, and every other contract with the Purchaser, if:

- (a) the Purchaser fails to make payments to the Company under any contract as obligations fall due or the Purchaser otherwise breaches any such contract and the breach or non-payment is not remedied within 7 days of notice from the Company; or
- (b) In the event of any proceedings, voluntary or involuntary, in bankruptcy or insolvency by or against the Purchaser, or in the event of the appointment, with or without the Purchaser' consent, of an assignee for the benefit of creditors or of a receiver; or
- (c) in the reasonable opinion of the Company the Purchaser has ceased or threatened to cease to trade.

8.2. If the Contract is terminated, in addition to any other legal remedies, the Company may do any of the following:

- (a) declare immediately payable (and interest-bearing under Section 3) any sums owed by the Purchaser,
- (b) suspend further performance of any Contract (and the time for delivery by the Company shall be extended by the period of such suspension);
- (c) take possession of any materials and other assets of the Purchaser held by or on behalf of the Company and apply any proceeds of sale in payment of any sums owing under or damages arising in connection with any Contract including any interest and costs arising thereon.

8.3. Termination of the contract will not release the Purchaser from any obligations it has incurred for payment or performance under the Contract

9. INSTALLATION

9.2. The Purchaser warrants that the site where the Goods are to be used is in all respects suitable for the safe and lawful installation and

9.3. The Purchaser shall obtain any certificates or other approvals required in good time before installation and shall inform the Company of all relevant safety, building and electrical codes and other requirements relevant to installation and shall indemnify the Company against any liability or

9.4. If the Company is to effect or supervise the installation the Purchaser shall prepare the site in good time and provide all services (including labor) for efficient installation, failing which the Company may charge for lost time of its personnel. Acceptance of the Instalment Certificate shall be conclusive evidence of the Goods' conformity with the Contract. Failure to respond to the Instalment Certificate within the time allotted shall

10. INTELLECTUAL PROPERTY AND CONFIDENTIALITY

10.2. The Company retains ownership of all inventions, designs, copyrights and processes and all and any other intellectual property rights whether or not registered or registerable and all goodwill associated thereto relevant to the Goods and all specifications, designs, programs or other material issued by or on behalf of the Company. The Purchaser shall not seek to abstract from the Goods any confidential information regarding their design, construction or otherwise (and without limiting the foregoing shall not decompile any software comprised in the Goods) and all rights

10.3. The Purchaser shall impose the requirements of Section 10.1 on any and all of its customers as well as indemnify the Company against any liability in relation to any failure to do so. The Purchaser shall upon request sign and/or require its customers to sign the Company's form of non-exclusive licence to use programs necessary to operate the Goods; all obligations of the Company under any contract are conditional upon

11. FORCE MAJEURE

11.1. The Company shall not be liable for any failure to perform its obligations hereunder by reason of any cause whatsoever beyond its control (including without limitation trade dispute; fire, flood or act of god; armed conflict; transportation delays; equipment or supply difficulties; any rule or action of any public authority or refusal or delay in granting any necessary license or permit. In such circumstances the Companyit may terminate the Contract whereupon the Purchaser shall pay a sum equal to the costs to the Company of performing the Contract and the Company's liability shall be limited to repayment of any sums paid in respect of undelivered Goods (or unperformed

12. GENERAL

12.1. The Purchaser shall indemnify the Company against all liability in relation to any specification, design, information or component which the Purchaser has supplied or arranged for the supply to the Company and warrants that the use of such specifications, designs, information or

12.2. The obligations set forth in Sections 6, 7, 8,10 and 12 shall be deemed to survive and be continuous notwithstanding any expiration or

12.3. Except as otherwise expressly provided herein, nothing herein expressly or implied is intended or shall be construed to confer upon or to give any person, firm or corporation, other than the Company and the Purchaser, any rights or remedies under or by reason of this Contract

12.4. All Contracts shall be governed, construed and enforced in accordance with the law of Texas. The Purchaser hereby irrevocably agrees to submit to the exclusive jurisdiction of the federal and state courts of Texas.

12.5. All Terms and Conditions of this Contract are severable. If any term, condition or provision, or portion thereof, of this Contract is held invalid, illegal or unenforceable to any extent. or in any application, then the remainder of this Contract, and such term or condition except to such extent or in such application, shall not be affected thereby, and each and every term and condition of this Agreement shall be valid and enforceable to the

12.6. The Company's failure to enforce any right under any provision of this Contract shall not be deemed a waiver of that right or provision or the Company's right to enforce that provision in the future.

12.7. This Contract contains the entire understanding of the parties with respect to the subject matter. It may not be changed orally but only by an agreement in writing signed by the party against whom enforcement of any waiver, change, modification, extension or discharge is

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