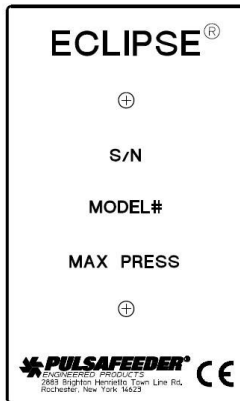


E02 Eclipse Pump Metallic

Pump Nameplate



Eclipse Model Structure

1	2/3	4	5	6	7	8	9	10*
E	02					-		

Pump Model Identification

Position	Code	Specifies	Options
1	E	Model	E- Eclipse
2 and 3	02	Pump Size	02 – Max. Capacity .4 gpm (1.5 lpm) 1/4" FNPT / 1/4" BSPT, ISO 7-1
4	A, G	Base Material	A – 316SS, FNPT G—316SS, BSPT, ISO7-1
5	L, B, T	Bearings	L – Carbon B – Silicon Carbide T – Glass Filled Teflon
6	U, K	O-rings	U – PTFE K – Kalrez Grade 4079
7	F, H, J	Motor Mounting	F – NEMA 56C H – IEC 63 B3/B14 J – IEC 71 B3/B14
8	-	Dash	

Pump Model Identification - Continued

Position	Code	Specifies	Options
9	S, F, B T, H	Options	S – 316L/ FTE, SC F – 316L, 316L/FTE, SC B – ALA/FTE, SC T – 316L, 316L/PEEK, SC H – 316L, SC
10	N	Option*	Motor frame mounting – wet end only. (Leave blank for fully configured pump.)

FTE = Carbon fiber filled PTFE

SC = Samarium Cobalt

ALA = Alumina Ceramic

Consult factory for motor mounting arrangements not covered in the above chart.

KOPkit Part Number Identification

Eclipse KOPkit Structure

1	2/3	4	5	6	7
KE	02	X			-

Position	Code	Specifies	Options
1	KE	Model	KE – Eclipse
2 and 3	02	Pump Size	02 – Max. Capacity 0.4 gpm (1.5 lpm)
4	X	Base Material	X – All base material types
5	L T B	Bearings	L – Carbon T – Glass Filled Teflon B – Silicon Carbide
6	U K	O-rings	U – PTFE K – Kalrez Grade 4079

KOPkit Suffix (Select one option)

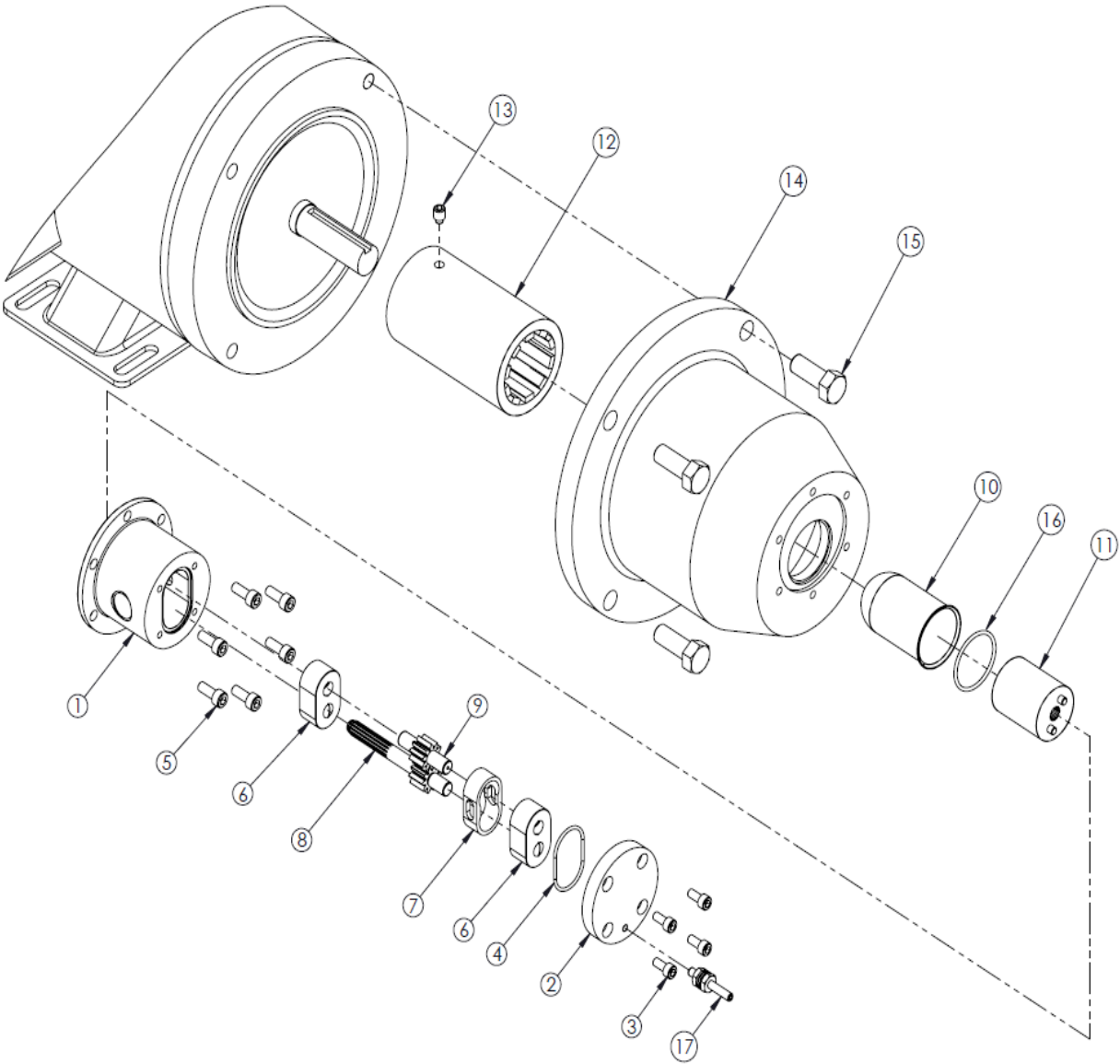
	SUFFIX	DRIVE (SHAFT / GEAR)	IDLER (SHAFT / GEAR)	ITEM	MAX. TEMP
7	-LTE GEARS, LINER, O-RINGS	S-LTE	316L / FTE	Samarium Cobalt	200°F (93°)
		F-LTE	316L		
		B-LTE	ALA / FTE		400°F (204°C)
		T-LTE	316L		450°F (232°C)
		H-LTE	316L		

	SUFFIX	DRIVE (SHAFT / GEAR)	IDLER (SHAFT / GEAR)	ITEM	MAX. TEMP
7	-STD GEARS, LINER, O-RINGS, BEARINGS	S-STD	316L / FTE	Samarium Cobalt	200°F (93°)
		F-STD	316L		
		B-STD	ALA / FTE		400°F (204°C)
		T-STD	316L		450°F (232°C)
		H-STD	316L		

FTE = Carbon fiber filled PTFE

ALA = Alumina Ceramic

Parts Diagram and List, Eclipse 02 Metallic



Eclipse Pump Series Size 02 Metallic

Consolidated Bill of Material

Position 1,2,3,4 – Base Pump Material/Ports

			Position 4 Base Pump Material and Port Connection		
			316L SS (A, G)		
E02	Description	Item	Part Number	Material	Qty
Common Parts	Screw	3	NP990555-188	Stainless Steel	4
	Grounding Hardware	17	NG990041-002	Stainless Steel	1
	Grounding Kit	N/S	NG990041-000	N/A	1
	Can, Containment	10	NG210001-316	Stainless Steel	1
	Cover	2	NG050001-316	Stainless Steel	1
	Liner	7	NG220002-FTE	ETFE	1
	Nameplate	N/S	NG550003-304	Stainless Steel	1
	Drive Screw	N/S	W771000-188	Stainless Steel	2
A	Housing, Center FNPT	1	NG040050-316	Stainless Steel	1
G	Housing, Center BSPT		NG040054-316	Stainless Steel	1
	Driven Magnet Assembly	11	NG200002-TEF	Tefzel	1

Position 5 - Bearing Materials

	Description	Item	Part Number	Material	Qty
L	Bearing	6	NG080001-CBN	Carbon 92	2
T	Bearing		NG080017-FTF	PTFE	2
B	Bearing		NG080001-SIC	Silicon Carbide	2

Position 6 - O-ring Material Selection

	Description	Item	Part Number	Material	Qty
U	O-ring Containment Can	16	W078419-TFE	PTFE	1
	O-ring Cover	4	W078419-TFE	PTFE	1
K	O-ring Containment Can	16	W078419-KLZ	Kalrez	1
	O-ring Cover	4	W078419-KLZ	Kalrez	1

Position 7 - NEMA C-Face and IEC B3/14 Metric Frame Magnetic Coupling Arrangement

56C NEMA frame components

	Description	Item	Part Number	Material	Qty
F	Motor Adaptor 56C	14	NG110001-000	Aluminum	1
	Set Screw	13	W771004-116	Stainless Steel	1
	Bolt	15	W770425-188	Stainless Steel	4
	Driven Magnet Assembly	12	NG200010-000	Stainless Steel	1
	Screw	5	W770010-188	Stainless Steel	6
	Motor Mount Kit#		E02XXXF-SMC		

63 IEC B3/14 frame components

	Description	Item	Part Number	Material	Qty
H	Motor Adaptor 56C	14	NG110003-000	Aluminum	1
	Set Screw	13	NP991004-001	Steel	6
	Bolt	15	NP990479-STL	Steel	4
	Driven Magnet Assembly	12	NG200014-000	Stainless Steel	1
	Screw	5	W770010-188	Stainless Steel	6
	Motor Mount Kit#		E02XXXH-SMC		

Position 7 - NEMA C-Face and IEC B3/14 Metric Frame Magnetic Coupling Arrangement
- Continued

71 IEC B3/14 Frame components

	Description	Item	Part Number	Material	Qty
J	Motor Adaptor 71 IEC	14	NG110004-000	Aluminum	1
	Set Screw	13	NP991004-001	Steel	6
	Bolt	15	NP990482-188	Stainless Steel	4
	Driven Magnet Assembly	12	NG200015-000	Stainless Steel	1
	Screw	5	W770010-188	Stainless Steel	6
	Motor Mount Kit#		E02XXXJ-SMC		

Position 9 - Gear Assembly Materials

	Description	Item	Part Number	Material	Qty
-S	Gear Assembly, Drive	8	NG010085-FTA	316L/FTE	1
	Gear Assembly, Idler	9	NG010013-FTA	316L/FTE	1
-F	Gear Assembly, Drive	8	NG010085-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010013-FTA	316L/FTE	1
-T	Gear Assembly, Drive	8	NG010085-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010013-PKA	316L/PEEK	1
-H	Gear Assembly, Drive	8	NG010085-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010002-316	Cast 316L	1
-B	Gear Assembly, Drive	8	NG010062-FTE	ALA/FTE	1
	Gear Assembly, Idler	9	NG010013-FTE	ALA/FTE	1

Position 10 – (option)* Motor frame mounting – wet end only

	Description	Item	Part Number	Material	Qty
F	Casing, 56-143/5TC	14	NG110001-000	Aluminum	1
	Screw	5	W770010-188	Stainless Steel	6
O	Casing, 56-143/5TC	14	NG110003-000	Aluminum	1
	Screw	5	W770010-188	Stainless Steel	6
J	Casing, 71 IEC	14	NG110004-000	Aluminum	1
	Screw	5	W770010-188	Stainless Steel	6

KOPKit - (Select one option)

	Description	Item	Qty
-LTE	Liner, Housing*	7	1
	Gear Assembly, Drive*	8	1
	Gear Assembly, Liner*	9	1
	O-ring Cover*	4	1

	Description	Item	Qty
-STD	Bearing*	6	2
	Liner, Housing*	7	1
	Gear Assembly, Drive*	8	1
	Gear Assembly, Liner*	9	1
	O-ring Cover*	4	1

*parts listed in tables above