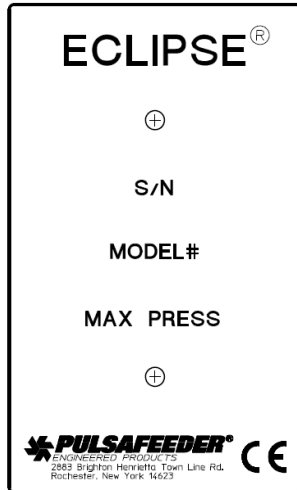


# E12 / EH12 Eclipse Pump Non-metallic

## Pump Nameplate



## Eclipse Model Structure

1	2/3	4	5	6	7	8	9
E	12					-	

## Pump Model Identification

Position	Code	Specifies	Options
1	E EH	Model	E – Eclipse EH- Eclipse Hypo
2 and 3	12	Pump Size	12 – Max. Capacity 3.5 gpm (13.21 lpm)
4	K, M	Housing Material	K – PVDF, FNPT M – PVDF, BSPT
5	L, B	Bearings	L – Carbon B – Silicon Carbide
6	V, E, K,	O-rings	V – Viton E – EPDM K – Perfluoroelastomer
7	F, O, H, J K, Y	Motor Mounting	F – NEMA 56C O – NEMA 143/5TC-182/4C H – IEC 63 B3/B14 J – IEC 71 B3/B14 K – IEC 80 B3/B14 Y – No Motor Mounting Kit
8	-		Dash

## Pump Model Identification - Continued

Position	Code	Specifies	Options
9	X, N  A,B X-ATEX A-ATEX N-ATEX B-ATEX	Options	<p><b>X</b> – Ceramic shafts and Teflon gears</p> <p><b>A</b>- Bearing Flush Port (1x 1/8" FNPT / BSPT Connection located in the center of the front cover)</p> <p><b>N</b> – Pump Wet End Only</p> <p><b>B</b>- Combination Of 9th Position Options "A" AND "N"</p> <p><b>X-ATEX</b> Standard Pump with ATEX Directive - CE-EX II 2G T6 II 2D T6</p> <p><b>A-ATEX</b> Bearing Flush with ATEX Directive - CE Ex II 2G T6 II 2D T6</p> <p><b>N-ATEX</b> - Wet end only with ATEX Directive - CE-EX II 2G T6 II 2D T6</p> <p><b>B-ATEX</b> Wet End Only and Bearing Flush with ATEX Directive - CE Ex II 2G T6 II 2D T6</p>

# KOPkit Part Number Identification

## Eclipse KOP kit Structure

1	2/3	4	5	6	Suffix
E	12				-

Position	Code	Specifies	Options
1	E EH	Model	E – Eclipse EH – Eclipse Hypo
2 and 3	12	Pump Size	12 – Max. Capacity 3.5 gpm(13.2 lpm)
4	X	Housing Material	X – All <b>Non-Metallic</b> pumps
5	L, B	Bearings	L – Carbon B – Silicon Carbide
6	V, E, K	O-rings	V – Viton E – EPDM K – Perfluoroelastomer
Suffix	LTE STD PRO		

### KOPKit Suffix Selection Bills of Material

(Select one option)

	Description	Item	Qty
<b>-LTE</b>	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1

	Description	Item	Qty
<b>-STD</b>	Bearing	10	2
	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1
	O-ring Compression	9	2

	Description	Item	Qty
<b>-PRO</b>	Bearing	10	2
	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1
	O-ring Compression	9	2
	Bolt	3	6
	Washer	4	6
Plate, Nut	28	2	



## Eclipse Pump Series Size 12 Non-Metallic

### Consolidated Bill of Material

#### Position 1,2,3,4, - Pump Housing Material/Ports

#### Position 4 Base Pump Material and Port Connection

			PVDF (K or M)		
E12	Description	Item	Part Number	Material	Qty
<b>Common Parts</b>	Bolt	3	W770404-188	Stainless Steel	6
	Washer	4	NG990018-188	Stainless Steel	6
	Plate, Nut	28	NG990009-188	Stainless Steel	2
	Bolt	16	W770403-188	Stainless Steel	8
	Washer	17	NG990018-188	Stainless Steel	8
	Name Plate	1	NG550003-304	Stainless Steel	1
	Drive Screw	2	W771000-188	Stainless Steel	2
	Can, Containment	19	NG210005-PVD	Carbon-filled PVDF	1
	Driven Magnet Assembly	21	NG200031-TEF	Neo / TEF	1
	Drive Magnet	24	NG200035-STL	Neo / Steel	1
	Plate, Cover Reinforcement	5A	NG120012-188	Stainless Steel	1
	Adapter, Spool	20	NG110010-PET	Polyester	1
	Plug, Drain	34	NG990014-FTE	ETFE	1
	Cover, Front	5	NG020002-PVD	Carbon-filled PVDF	1
	Plate, Reinforcement	32	NG120006-188	Stainless Steel	2
<b>K</b>	Housing, Center FNPT	14	NG040028-PVD	Carbon-filled PVDF	1
<b>M</b>	Housing, Center BSPT		NG040028-PVD	Carbon-filled PVDF	

#### Position 5 - Bearing Materials

	Description	Item	Part Number:	Material	Qty
<b>Common Parts</b>	Liner, Housing	11	NG220006-FTE	ETFE	1
	Gear Assembly, Drive	13	NG010022-FTE	ETFE / ALA	1
	Gear Assembly, Idler	12	NG010021-FTE	ETFE / ALA	1
<b>L</b>	Bearing	10	NG080002-CBN	Carbon-92	2
<b>B</b>	Bearing		NG080002-SIC	Silicon Carbide	

#### Position 6 - O-ring Material Selection

	Description	Item	Part Number:	Material	Qty
<b>V</b>	O-ring Containment Can	15	NG440154-VTN	Viton	1
	O-ring Cover	6	NG440137-VTN	Viton	1
	O-ring Drain Plug	33	NG440012-VTN	Viton	1
	O-ring Compression	9	NG440129-VTN	Viton	1
<b>E</b>	O-ring Containment Can	15	NG440154-NOR	EPDM	1
	O-ring Cover	6	NG440137-NOR	EPDM	1
	O-ring Drain Plug	33	W059100-NOR	EPDM	1
	O-ring Compression	9	NG440129-NOR	EPDM	1
<b>K</b>	O-ring Containment Can	15	NG440154-KLZ	Perfluoroelastomer	1
	O-ring Cover	6	NG440137-KLZ	Perfluoroelastomer	1
	O-ring Drain Plug	33	NG440012-KLZ	Perfluoroelastomer	1
	O-ring Compression	9	NG440129-KLZ	Perfluoroelastomer	1

#### Position 7 - NEMA C-Face and IEC B34 Metric Frame Magnetic Coupling Arrangement 56C NEMA frame components

	Description	Item	Part Number	Material	Qty
<b>F</b>	Coupling Hub	25	NG940002-STL	Steel	1
	Set Screw	26	W771004-031	Steel	1
	Bolt	22	W770425-188	Stainless Steel	4
	Washer	23	NG990019-188	Stainless Steel	4
	Screw	27	W770021-188	Stainless Steel	4
<b>Motor Mount Kit #</b>	<b>E12XXXF</b>				

**Position 7 - NEMA C-Face and IEC B34 Metric Frame Magnetic Coupling Arrangement  
-Continued**

**143TC - 182C NEMA frame components**

	Description	Item	Part Number	Material	Qty
<b>O</b>	Coupling Hub	25	NG940003-STL	Steel	1
	Set Screw	26	W771004-031	Steel	1
	Bolt	22	W770425-188	Stainless Steel	4
	Washer	23	NG990019-188	Stainless Steel	4
	Screw	27	W770021-188	Stainless Steel	4
<b>Motor Mount Kit #</b>	<b>E12XXXO</b>				

**63 IEC B34 frame components**

	Description	Item	Part Number	Material	Qty
<b>H</b>	Coupling Hub	25A	NG940004-STL	Steel	1
	Set Screw	26A	NP991004-017	Steel	1
	Adapter, Motor	31	NG110005-PET	Polyester	1
	Bolt	29	NP990418-188	Stainless Steel	4
	Washer	30	NP991016-188	Stainless Steel	4
	Bolt	22	W770426-188	Stainless Steel	4
	Washer	23	NG990019-188	Stainless Steel	4
	Screw	27	W770021-188	Stainless Steel	4
<b>Motor Mount Kit #</b>	<b>E12XXXH</b>				

**71 IEC B34 frame components**

	Description	Item	Part Number	Material	Qty
<b>J</b>	Coupling Hub	25A	NG940011-STL	Steel	1
	Set Screw	26A	NG990027-188	Steel	1
	Adapter, Motor	31	NG110019-ALU	Aluminum	1
	Bolt	29	W770546-188	Stainless Steel	4
	Bolt	22	W770426-188	Stainless Steel	4
	Washer	23	NG990019-188	Stainless Steel	4
	Screw	27	W770021-188	Stainless Steel	4
<b>Motor Mount Kit #</b>	<b>E12XXXJ</b>				

**80 IEC B34 frame components**

	Description	Item	Part Number	Material	Qty
<b>K</b>	Coupling Hub	25B	NG940005-STL	Steel	1
	Set Screw	26B	NP991004-001	Steel	1
	Adapter, Motor	31	NG110005-PET	Polyester	1
	Bolt	29A	W770546-188	Stainless Steel	4
	Washer	30A	NP991017-188	Stainless Steel	4
	Bolt	22	W770426-188	Stainless Steel	4
	Washer	23	NG990019-188	Stainless Steel	4
	Screw	27	W770021-188	Stainless Steel	4
<b>Motor Mount Kit #</b>	<b>E12XXXK</b>				

**KOPKit Suffix Selection Bill of Materials**

(Select one option)

	Description	Item	Qty
<b>-LTE</b>	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1

	Description	Item	Qty
<b>-STD</b>	Bearing	10	2
	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1
	O-ring Compression	9	2

	Description	Item	Qty
<b>-PRO</b>	Bearing	10	2
	Liner, Housing	11	1
	Gear Assembly, Drive	13	1
	Gear Assembly, Idler	12	1
	O-ring Cover	6	1
	O-ring Compression	9	2
	Bolt	3	6
	Washer	4	6
	Plate, Nut	28	2

**REVISION CONTROL**

REV.	DATE	DESCRIPTION OF CHANGE(s)	APPROVAL
2	6/27/22	Changed O-ring from Kalrez to Perfluoroelastomer.	JM
3	3/12/26	Updated file location. Updated position 6 viton suffix.	EE