

Self-Priming Pump

Model ESPT/U



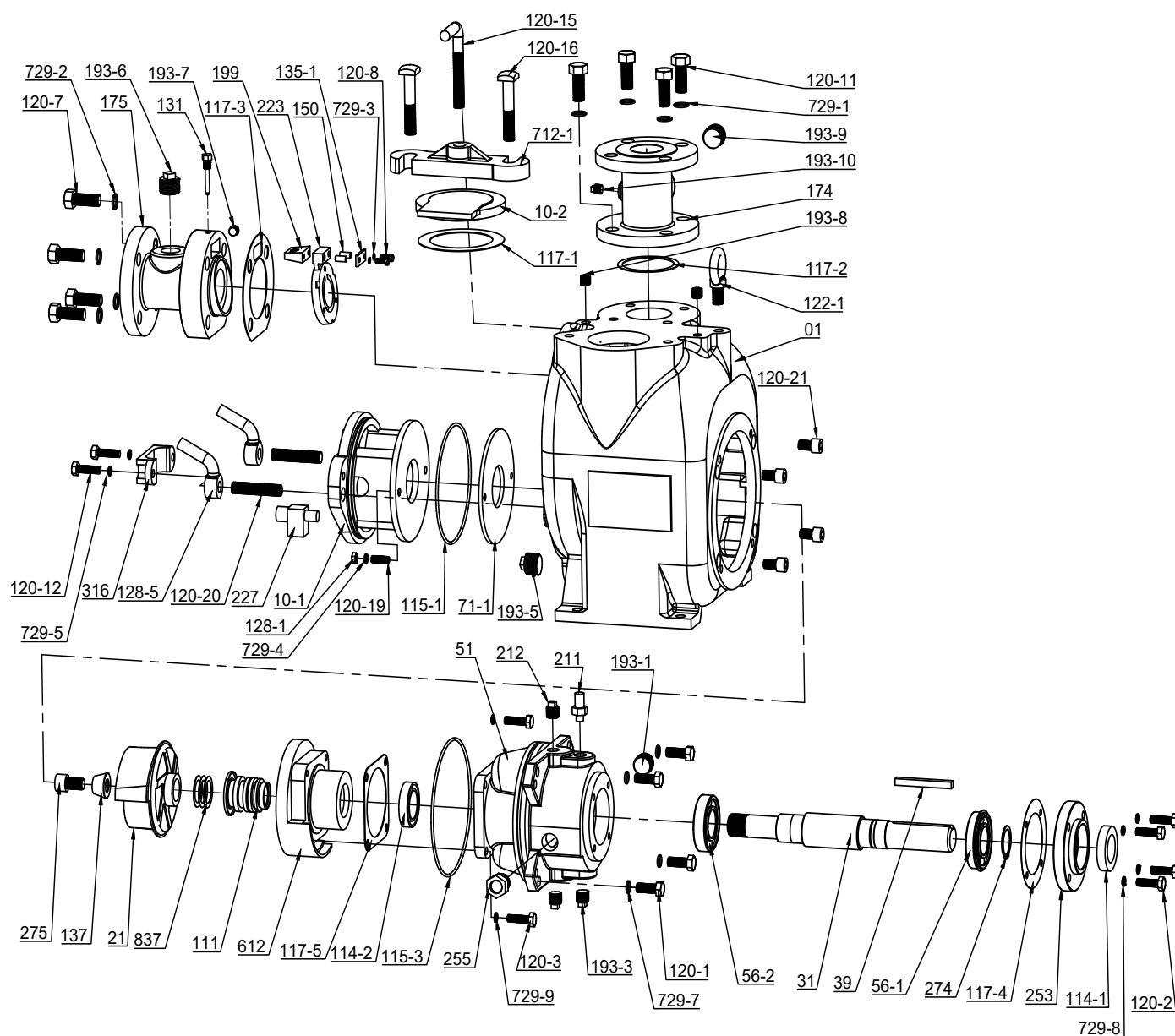
Parts Reference



EBARA

EBARA Pumps Americas Corporation

Sectional View

Exploded View
ESPT-2

Sectional View

Exploded View Part Reference

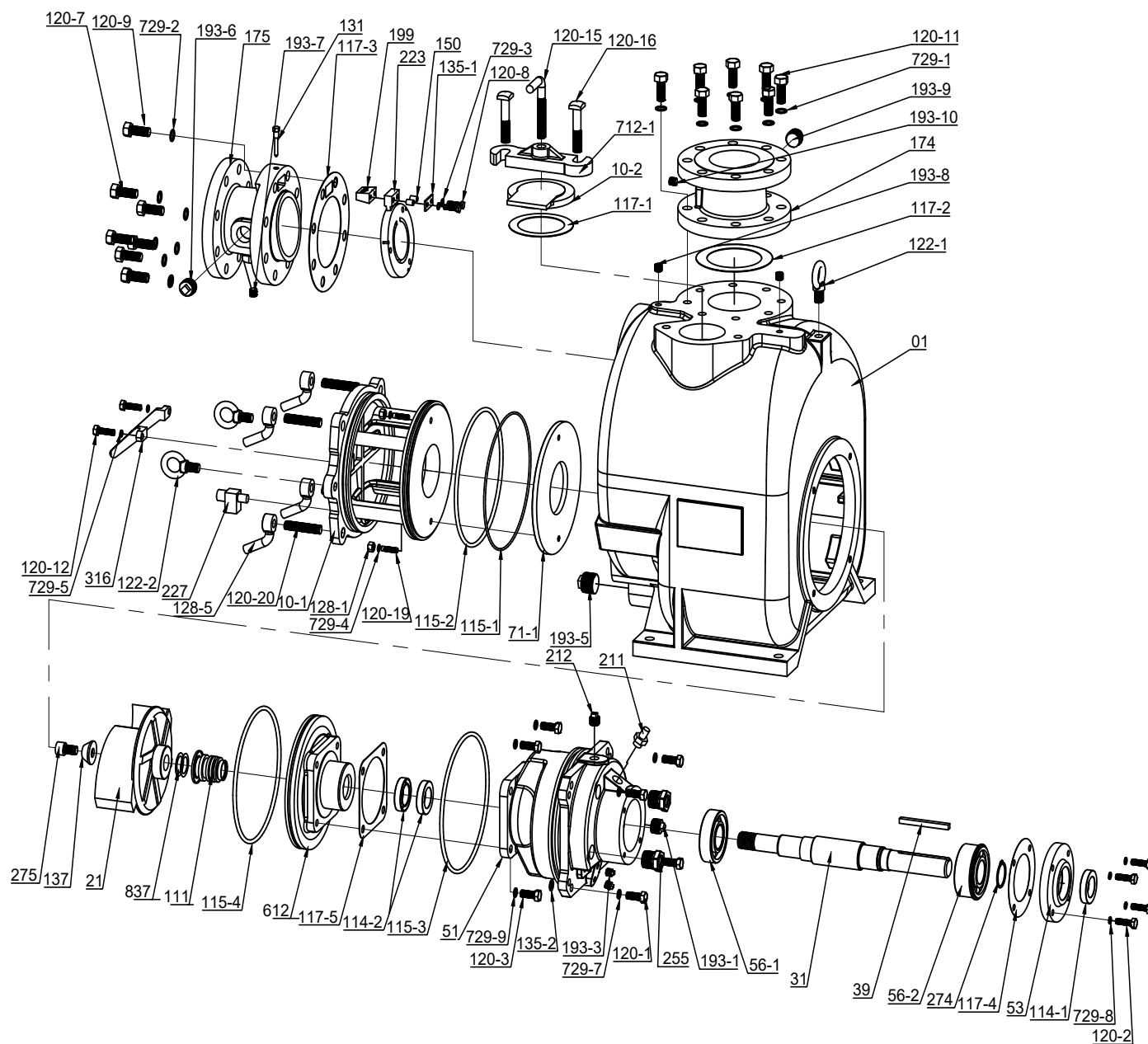
ESPT-2

Item Number	Part Name	Material	Quantity
01	Casing	Cast Iron	1
10-1	Back Cover	Ductile Iron	1
10-2	Fill Cover	Ductile Iron	1
21	Impeller	Ductile Iron	1
31	Shaft	Alloy Steel 4140	1
39	Key	304SS	1
51	Bearing Housing	Cast Iron	1
53	Bearing Cover	Cast Iron	1
56-1	Bearing (Inboard)	Steel	1
56-2	Bearing (Outboard)	Steel	1
71-1	Wear Plate	Carbon Steel	1
111	Mechanical Seal	TC-TC-FKM-316-630	1
114-1	Lip Seal	Steel	1
114-2	Lip Seal	Steel	1
115-1	O-Ring	NBR	1
115-3	O-Ring	NBR	1
117-1	Fill Cover Gasket	NBR	1
117-2	Discharge Flange Gasket	NBR	1
117-3	Suction Flange Gasket	NBR	1
117-4	Bearing Cover Gasket	NBR	1
117-5	Seal Plate Gasket	Armid Fiber	1
120-1	Bolt	Carbon Steel	4
120-2	Bolt	Carbon Steel	4
120-3	Bolt	304SS	4
120-7	Bolt	Carbon Steel	4
120-8	Bolt	304SS	2
120-11	Bolt	Carbon Steel	4
120-12	Bolt	Carbon Steel	2
120-15	Clamp Bar Bolt	Carbon Steel	1
120-16	Machine Bolt	Carbon Steel	2
120-19	Stud	304SS	2
120-20	Stud	Carbon Steel	2
120-21	Socket Head Capscrew	304SS	4
122-1	Lifting Screw	Carbon Steel	1
128-1	Nut	304SS	2
128-5	Hand Nut	Carbon Steel	2
131	Check Valve Pin	304SS	1
135-1	Pivot Cap Washer	304SS	1
137	Impeller Washer	304SS	1

Item Number	Part Name	Material	Quantity
150	Bronze Pipe	Bronze	2
174	Discharge Flange	Cast Iron	1
175	Suction Flange	Cast Iron	1
193-1	Square Head Plug	Carbon Steel	1
193-3	Square Head Plug	Carbon Steel	2
193-5	Square Head Plug	Carbon Steel	1
193-6	Square Head Plug	Carbon Steel	1
193-7	Square Head Plug	Carbon Steel	1
193-8	Square Head Plug	Carbon Steel	1
193-9	Square Head Plug	Carbon Steel	1
193-10	Square Head Plug	Carbon Steel	1
199	Pivot Cap	304SS	1
211	Air Vent Plug	Bronze	1
212	Square Head Plug	Carbon Steel	1
223	Check Valve	NBR	1
227	Pressure Relief Valve	Bronze	1
255	Oil Gauge	304SS	1
274	Snap Ring	Steel	1
275	Impeller Bolt	304SS	1
316	CVR Plate Handle	Cast Iron	1
612	Seal Plate	Cast Iron	1
712-1	Clamp Bar	Ductile Iron	1
729-1	Spring Washer	Carbon Steel	4
729-2	Spring Washer	Carbon Steel	4
729-3	Spring Washer	304SS	2
729-4	Spring Washer	304SS	2
729-5	Spring Washer	Carbon Steel	2
729-7	Spring Washer	Carbon Steel	4
729-8	Spring Washer	Carbon Steel	4
729-9	Spring Washer	304SS	4
837	Shim	304SS	2-7



Sectional View

Exploded View
ESPT- 3/4/6

Sectional View

Exploded View Part Reference

ESPT-3/4/6

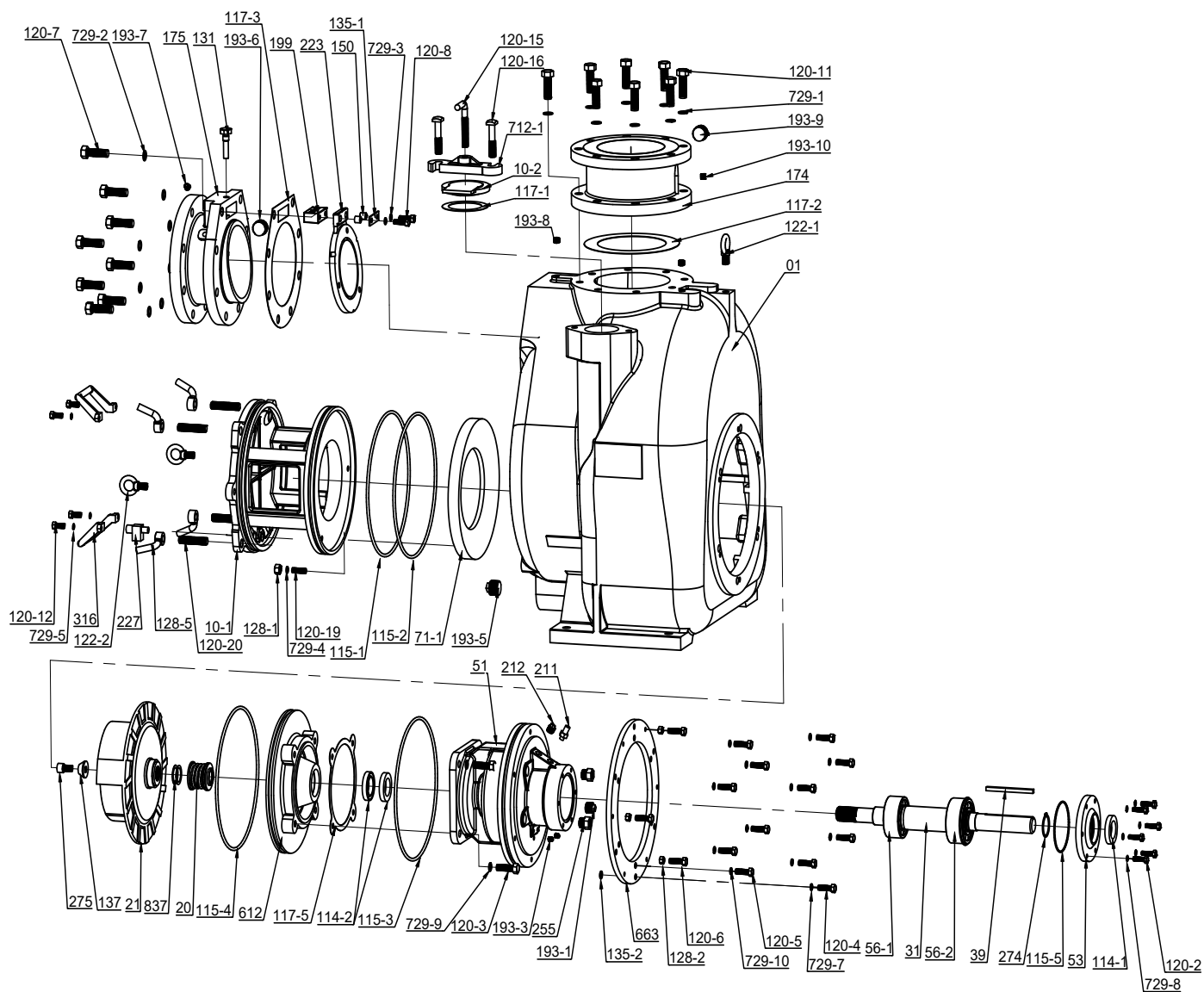
Item Number	Part Name	Material	Quantity		
			T3	T4	T6
01	Casing	Cast Iron	1	1	1
10-1	Back Cover	Ductile Iron	1	1	1
10-2	Fill Cover	Ductile Iron	1	1	1
21	Impeller	Ductile Iron	1	1	1
31	Shaft	Alloy Steel 4140	1	1	1
39	Key	304SS	1	1	1
51	Bearing Housing	Cast Iron	1	1	1
53	Bearing Cover	Cast Iron	1	1	1
56-1	Bearing (Inboard)	Steel	1	1	1
56-2	Bearing (Outboard)	Steel	1	1	1
71-1	Wear Plate	Carbon Steel	1	1	1
111	Mechanical Seal	TC-TC-FKM-316-630	1	1	1
114-1	Lip Seal	Steel	1	1	1
114-2	Lip Seal	Steel	2	2	2
115-1	O-Ring	NBR	1	1	1
115-2	O-Ring	NBR	1	1	1
115-3	O-Ring	NBR	1	1	1
115-4	O-Ring	NBR	-	1	-
117-1	Fill Cover Gasket	NBR	1	1	1
117-2	Discharge Flange Gasket	NBR	1	1	1
117-3	Suction Flange Gasket	NBR	1	1	1
117-4	Bearing Cover Gasket	Armid Fiber	1	1	1
117-5	Seal Plate Gasket	Armid Fiber	1	1	1
120-1	Bolt	Carbon Steel	4	4	4
120-2	Bolt	Carbon Steel	4	4	4
120-3	Bolt	304SS	4	4	4
120-7	Bolt	Carbon Steel	4	6	6
120-8	Bolt	304SS	2	2	2
120-9	Bolt	Carbon Steel	-	2	2
120-11	Bolt	Carbon Steel	4	8	8
120-12	Bolt	Carbon Steel	2	2	2
120-15	Clamp Bar Bolt	Carbon Steel	1	1	1
120-16	Machine Bolt	Carbon Steel	2	2	2
120-19	Stud	304SS	2	2	4
120-20	Stud	Carbon Steel	4	4	4
122-1	Lifting Screw	Carbon Steel	1	1	1
122-2	Lifting Bolt	Carbon Steel	2	2	2
128-1	Nut	304SS	2	2	4
128-5	Hand Nut	Carbon Steel	4	4	4
131	Check Valve Pin	304SS	1	1	1
135-1	Pivot Cap Washer	304SS	1	1	1
135-2	Flat Washer	304SS	8	8	8
137	Impeller Washer	304SS	1	1	1

Item Number	Part Name	Material	Quantity		
			T3	T4	T6
150	Bronze Pipe	Bronze	2	2	2
174	Discharge Flange	Cast Iron	1	1	1
175	Suction Flange	Cast Iron	1	1	1
193-1	Square Head Plug	Carbon Steel	1	1	1
193-3	Square Head Plug	Carbon Steel	1	2	2
193-5	Square Head Plug	Carbon Steel	1	1	1
193-6	Square Head Plug	Carbon Steel	1	1	1
193-7	Square Head Plug	Carbon Steel	1	1	1
193-8	Socket Head Plug	Carbon Steel	2	1	2
193-9	Square Head Plug	Carbon Steel	1	1	2
193-10	Square Head Plug	Carbon Steel	1	1	2
199	Pivot Cap	304SS	1	1	1
211	Air Vent Plug	Bronze	1	1	1
212	Square Head Plug	Carbon Steel	1	1	1
223	Check Valve	NBR	1	1	1
227	Pressure Relief Valve	Bronze	1	1	1
255	Oil Gauge	304SS	2	2	2
274	Snap Ring	Steel	1	1	1
275	Impeller Bolt	304SS	1	1	1
316	CVR Plate Handle	Carbon Steel	1	1	1
612	Seal Plate	Cast Iron	1	1	1
712-1	Clamp Bar	Ductile Iron	1	1	1
729-1	Spring Washer	Carbon Steel	4	8	8
729-2	Spring Washer	Carbon Steel	4	8	8
729-3	Spring Washer	304SS	2	2	2
729-4	Spring Washer	304SS	2	2	4
729-5	Spring Washer	Carbon Steel	2	2	2
729-7	Spring Washer	Carbon Steel	4	4	4
729-8	Spring Washer	Carbon Steel	4	4	4
729-9	Spring Washer	304SS	4	4	4
837	Shim	304SS	2-7	2-7	2-7



Sectional View

Exploded View ESPT-8



Sectional View

Exploded View Part Reference

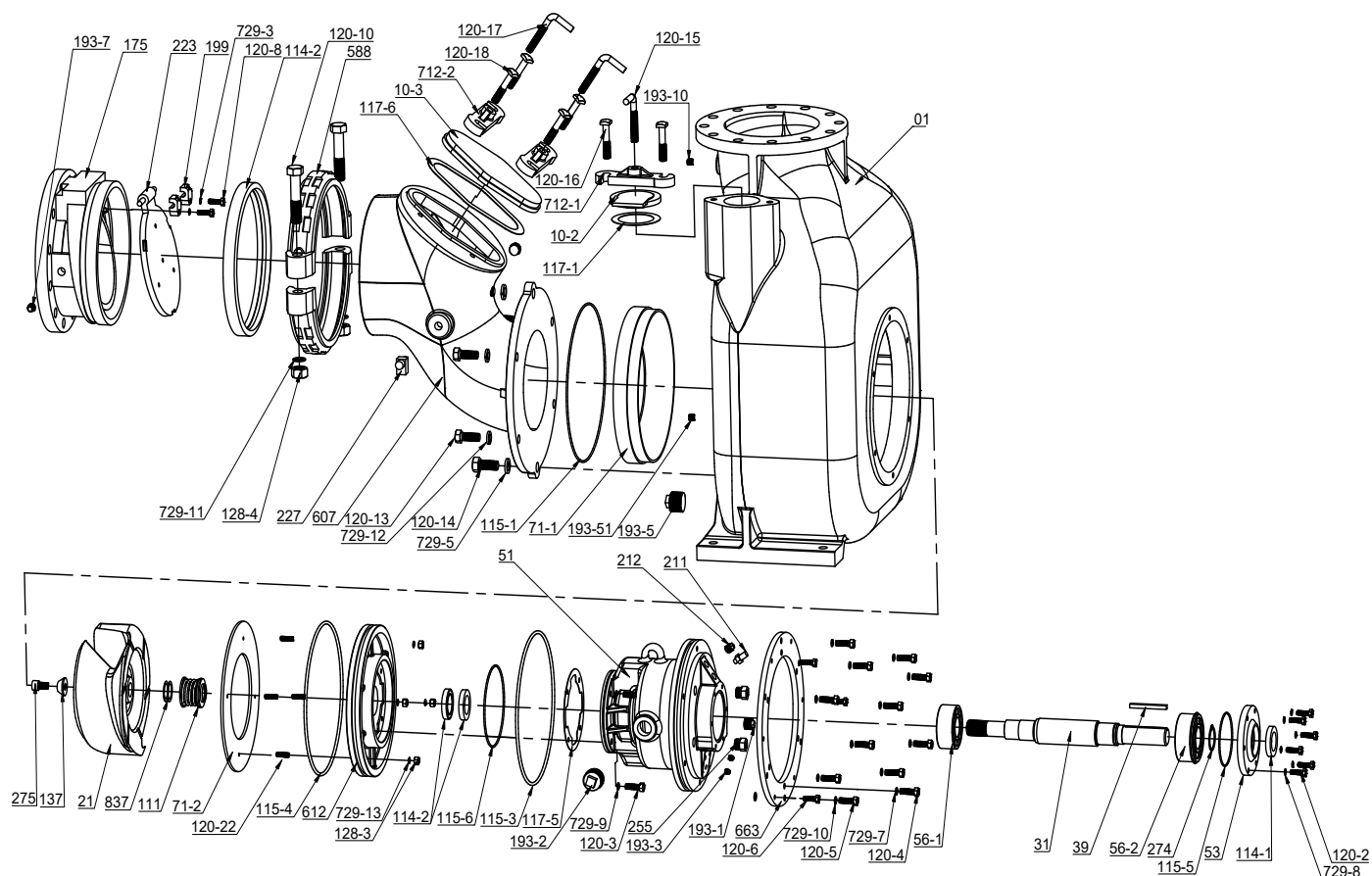
ESPT-8

Item Number	Part Name	Material	Quantity
01	Casing	Cast Iron	1
10-1	Back Cover	Ductile Iron	1
10-2	Fill Cover	Ductile Iron	1
21	Impeller	Ductile Iron	1
31	Shaft	Alloy Steel 4140	1
39	Key	304SS	1
51	Bearing Housing	Cast Iron	1
53	Bearing Cover	Cast Iron	1
56-1	Bearing (Inboard)	Steel	1
56-2	Bearing (Outboard)	Steel	1
71-1	Wear Plate	Ductile Iron	1
111	Mechanical Seal	TC-TC-FKM-316-630	1
114-1	Lip Seal	Steel	1
114-2	Lip Seal	Steel	2
115-1	O-Ring	NBR	1
115-2	O-Ring	NBR	1
115-3	O-Ring	NBR	1
115-4	O-Ring	NBR	1
115-5	O-Ring	NBR	1
117-1	Fill Cover Gasket	NBR	1
117-2	Discharge Flange Gasket	NBR	1
117-3	Suction Flange Gasket	NBR	1
117-5	Seal Plate Gasket	Armide Fiber	1
120-2	Bolt	Carbon Steel	6
120-3	Bolt	304SS	4
120-4	Bolt	Carbon Steel	6
120-5	Bolt	Carbon Steel	6
120-6	Bolt	Carbon Steel	3
120-7	Bolt	Carbon Steel	8
120-8	Bolt	304SS	2
120-11	Bolt	Carbon Steel	8
120-12	Bolt	Carbon Steel	4
120-15	Clamp Bar Bolt	Carbon Steel	1
120-16	Machine Bolt	Carbon Steel	2
120-19	Stud	304SS	3
120-20	Stud	Carbon Steel	4
122-1	Lifting Screw	Carbon Steel	1
122-2	Lifting Bolt	Carbon Steel	2
128-1	Nut	304SS	3
128-2	Nut	304SS	3
128-5	Hand Nut	Carbon Steel	4
131	Check Valve Pin	Carbon Steel	1

Item Number	Part Name	Material	Quantity
135-1	Pivot Cap Washer	304SS	1
135-2	Flat Washer	Carbon Steel	12
137	Impeller Washer	304SS	1
150	Bronze Pipe	Bronze	2
174	Discharge Flange	Cast Iron	1
175	Suction Flange	Cast Iron	1
193-1	Square Head Plug	Carbon Steel	1
193-3	Socket Head Plug	Carbon Steel	2
193-5	Square Head Plug	Carbon Steel	1
193-6	Square Head Plug	Carbon Steel	1
193-7	Socket Head Plug	Carbon Steel	1
193-8	Socket Head Plug	Carbon Steel	2
193-9	Square Head Plug	Carbon Steel	1
193-10	Square Head Plug	Carbon Steel	1
199	Pivot Cap	304SS	1
211	Air Vent Plug	Bronze	1
212	Square Head Plug	Carbon Steel	1
223	Check Valve	NBR	1
227	Pressure Relief Valve	Bronze	1
255	Oil Gauge	304SS	2
274	Snap Ring	Steel	1
275	Impeller Bolt	304SS	1
316	CVR Plate Handle	Carbon Steel	2
612	Seal Plate	Cast Iron	1
663	Adapter Ring	Carbon Steel	1
712-1	Clamp Bar	Ductile Iron	1
729-1	Spring Washer	Carbon Steel	8
729-2	Spring Washer	Carbon Steel	8
729-3	Spring Washer	304SS	2
729-4	Spring Washer	304SS	3
729-5	Spring Washer	Carbon Steel	4
729-7	Spring Washer	Carbon Steel	6
729-8	Spring Washer	Carbon Steel	6
729-9	Spring Washer	304SS	4
729-10	Spring Washer	Carbon Steel	6
837	Shim	304SS	2-7



Sectional View

Exploded View
ESPT-10

Sectional View

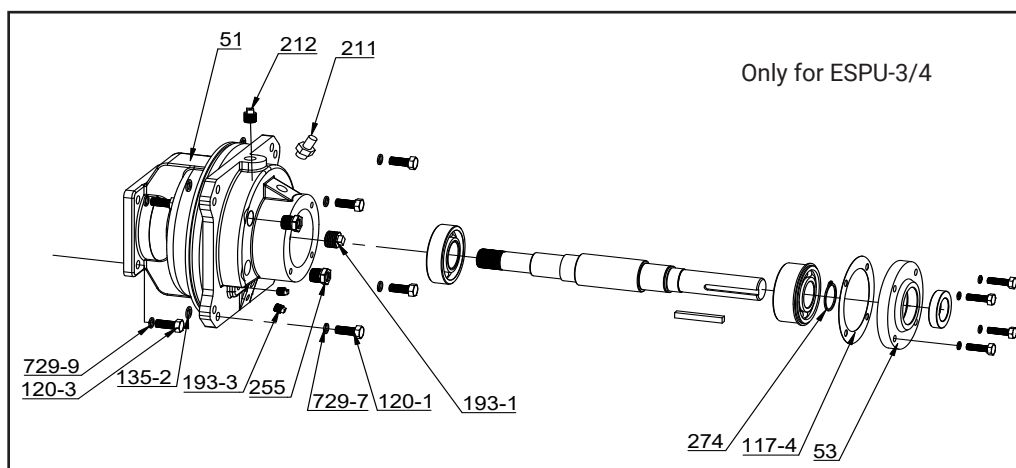
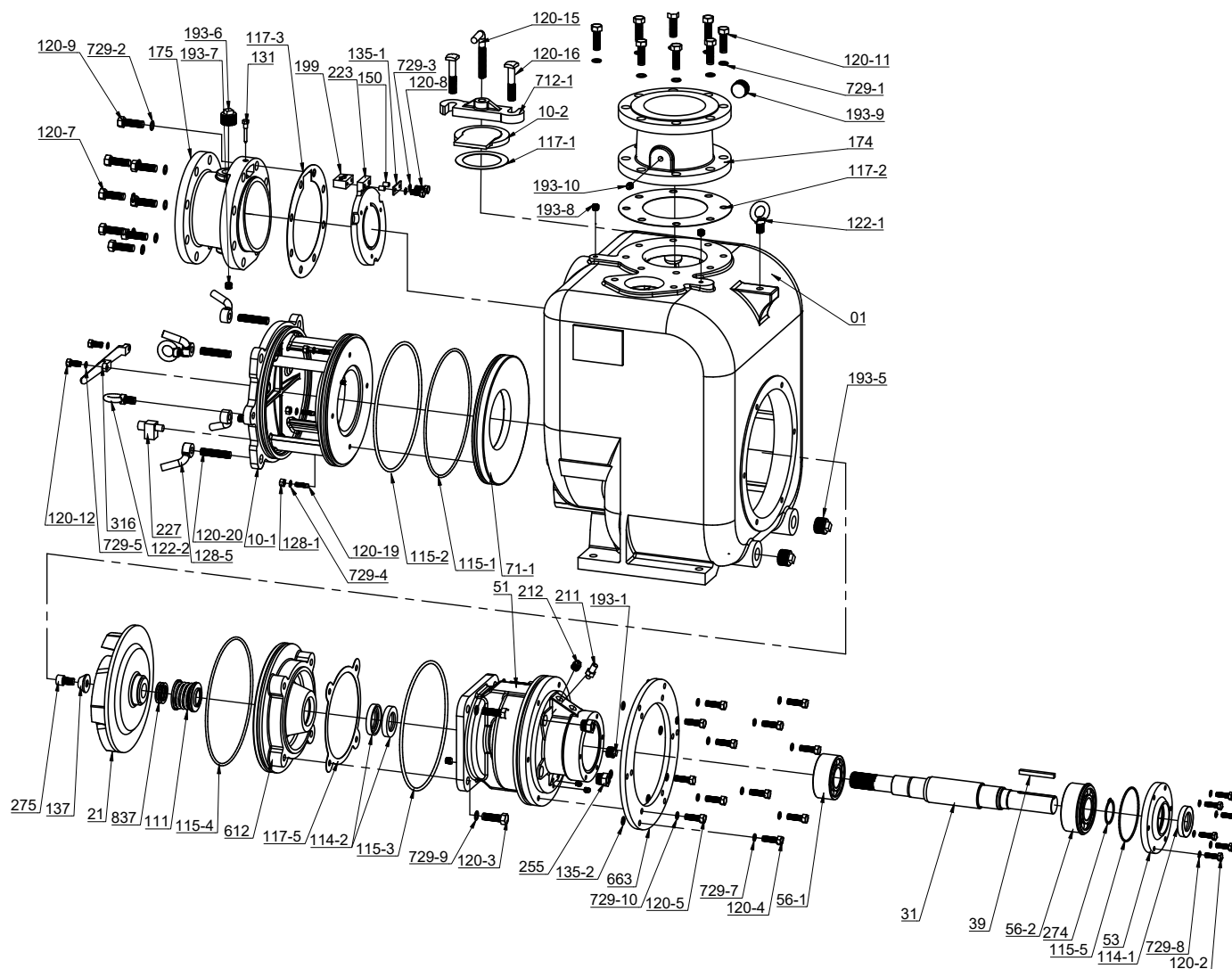
Exploded View Part Reference
ESPT-10

Item Number	Part Name	Material	Quantity
01	Casing	Cast Iron	1
10-2	Fill Cover	Ductile Iron	1
10-3	Cover Plate	Cast Iron	1
21	Impeller	Ductile Iron	1
31	Shaft	Alloy Steel 4140	1
39	Key	304SS	1
51	Bearing Housing	Cast Iron	1
53	Bearing Cover	Cast Iron	1
56-1	Bearing (Inboard)	Steel	1
56-2	Bearing (Outboard)	Steel	1
71-1	Wear Plate	Ductile Steel	1
71-2	Wear Plate	Carbon Steel	1
111	Mechanical Seal	TC-TC-FKM-316-630	1
114-1	Lip Seal	Steel	3
114-2	Lip Seal	Steel	1
115-1	O-Ring	NBR	1
115-3	O-Ring	NBR	1
115-4	O-Ring	NBR	1
115-5	O-Ring	NBR	1
115-6	O-Ring	NBR	1
117-1	Fill Cover Gasket	NBR	1
117-5	Seal Plate Gasket	Armid Fiber	1
117-6	Cover Plate Gasket	NBR	1
120-2	Bolt	Carbon Steel	6
120-3	Bolt	Carbon Steel	4
120-4	Bolt	Carbon Steel	6
120-5	Bolt	Carbon Steel	6
120-6	Bolt	Carbon Steel	3
120-8	Bolt	Carbon Steel	2
120-10	Bolt	Carbon Steel	2
120-13	Bolt	Carbon Steel	4
120-14	Bolt	Carbon Steel	2
120-15	Clamp Bar Bolt	Carbon Steel	1
120-16	Machine Bolt	Carbon Steel	2
120-17	Clamp Bar Bolt	Carbon Steel	2
120-18	Machine Bolt	Carbon Steel	4
120-22	Stud	304SS	4
128-3	Nut	304SS	4
128-4	Nut	Carbon Steel	2
137	Impeller Washer	304SS	1
175	Suction Flange	Cast Iron	1

Item Number	Part Name	Material	Quantity
193-1	Square Head Plug	Carbon Steel	1
193-2	Square Head Plug	Carbon Steel	1
193-3	Square Head Plug	Carbon Steel	2
193-5	Square Head Plug	Carbon Steel	1
193-7	Square Head Plug	Carbon Steel	1
193-10	Square Head Plug	Carbon Steel	1
193-51	Square Head Plug	Carbon Steel	1
199	Pivot Cap	Cast Iron	2
211	Air Vent Plug	Bronze	1
212	Square Head Plug	Carbon Steel	1
223	Check Valve	NBR	1
227	Pressure Relief Valve	Bronze	1
255	Oil Gauge	304SS	2
274	Snap Ring	Steel	1
275	Impeller Bolt	304SS	1
588	Shoulder Type Coupling	Ductile Iron	2
607	Suction Elbow	Cast Iron	1
612	Seal Plate	Cast Iron	1
663	Adapter Ring	Carbon Steel	1
712-1	Clamp Bar	Ductile Iron	1
712-2	Clamp Bar	Ductile Iron	2
729-3	Spring Washer	Carbon Steel	2
729-5	Spring Washer	Carbon Steel	2
729-7	Spring Washer	Carbon Steel	6
729-8	Spring Washer	Carbon Steel	6
729-9	Spring Washer	Carbon Steel	4
729-10	Spring Washer	Carbon Steel	6
729-11	Spring Washer	Carbon Steel	2
729-12	Spring Washer	Carbon Steel	4
729-13	Spring Washer	304SS	4
837	Shim	304SS	2-7



Sectional View

Exploded View
ESPU- 3/4/6

Sectional View

Exploded View Part Reference

ESPU-3/4/6

Item Number	Part Name	Material	Quantity		
			U3	U4	U6
01	Casing	Cast Iron	1	1	1
10-1	Back Cover	Ductile Iron	1	1	1
10-2	Fill Cover	Ductile Iron	1	1	1
21	Impeller	Ductile Iron	1	1	1
31	Shaft	Alloy Steel 4140	1	1	1
39	Key	304SS	1	1	1
51	Bearing Housing	Cast Iron	1	1	1
53	Bearing Cover	Cast Iron	1	1	1
56-1	Bearing (Inboard)	Steel	1	1	1
56-2	Bearing (Outboard)	Steel	1	1	1
71-1	Wear Plate	Carbon Steel	1	1	1
111	Mechanical Seal	TC-TC-FKM-316-630	1	1	1
114-1	Lip Seal	Steel	1	1	1
114-2	Lip Seal	Steel	2	2	2
115-1	O-Ring	NBR	1	1	1
115-2	O-Ring	NBR	1	1	1
115-3	O-Ring	NBR	1	1	1
115-4	O-Ring	NBR	1	1	1
115-5	O-Ring	NBR	-	-	1
117-1	Fill Cover Gasket	NBR	1	1	1
117-2	Discharge Flange Gasket	NBR	1	1	1
117-3	Suction Flange Gasket	NBR	1	1	1
117-4	Bearing Cover Gasket	Armid Fiber	1	1	-
117-5	Seal Plate Gasket	Armid Fiber	1	1	1
120-1	Bolt	Carbon Steel	4	4	-
120-2	Bolt	Carbon Steel	4	4	6
120-3	Bolt	304SS	4	4	4
120-4	Bolt	Carbon Steel	-	-	6
120-5	Bolt	Carbon Steel	-	-	6
120-7	Bolt	Carbon Steel	2	6	6
120-8	Bolt	304SS	2	2	2
120-9	Bolt	Carbon Steel	2	2	2
120-11	Bolt	Carbon Steel	4	8	8
120-12	Bolt	Carbon Steel	2	2	4
120-15	Clamp Bar Bolt	Carbon Steel	1	1	1
120-16	Machine Bolt	Carbon Steel	2	2	2
120-19	Stud	Carbon Steel	4	2	4
120-20	Stud	Carbon Steel	4	4	2
122-1	Lifting Bolt	Carbon Steel	1	1	1
122-2	Lifting Bolt	Carbon Steel	2	1	2
128-1	Nut	304SS	4	2	4
128-5	Hand Nut	Carbon Steel	4	4	2

Item Number	Part Name	Material	Quantity		
			U3	U4	U6
131	Check Valve Pin	304SS	1	1	1
135-1	Pivot Cap Washer	304SS	1	1	1
135-2	Flat Washer	Carbon Steel	8	-	12
137	Impeller Washer	304SS	1	1	1
150	Bronze Pipe	Bronze	2	2	2
174	Discharge Flange	Cast Iron	1	1	1
175	Suction Flange	Cast Iron	1	1	1
193-1	Square Head Plug	Carbon Steel	1	1	1
193-3	Square Head Plug	Carbon Steel	2	2	-
193-5	Square Head Plug	Carbon Steel	2	2	2
193-6	Square Head Plug	Carbon Steel	1	2	1
193-7	Square Head Plug	Carbon Steel	1	1	1
193-8	Socket Head Plug	Carbon Steel	1	2	2
193-9	Square Head Plug	Carbon Steel	1	1	1
193-10	Square Head Plug	Carbon Steel	1	1	1
199	Pivot Cap	304SS	1	1	1
211	Air Vent Plug	Bronze	1	1	1
212	Square Head Plug	Carbon Steel	1	1	1
223	Check Valve	NBR	1	1	1
227	Pressure Relief Valve	Bronze	1	1	1
255	Oil Gauge	304SS	2	2	2
274	Snap Ring	Steel	1	1	1
275	Impeller Bolt	304SS	1	1	1
316	CVR Plate Handle	Carbon Steel	1	1	2
612	Seal Plate	Cast Iron	1	1	1
663	Adapter Ring	Carbon Steel	-	-	1
712-1	Clamp Bar	Ductile Iron	1	1	1
729-1	Spring Washer	Carbon Steel	4	8	8
729-2	Spring Washer	Carbon Steel	4	1	8
729-3	Spring Washer	304SS	2	2	2
729-4	Spring Washer	304SS	4	2	4
729-5	Spring Washer	Carbon Steel	2	2	4
729-6	Spring Washer	Carbon Steel	-	8	-
729-7	Spring Washer	Carbon Steel	4	4	6
729-8	Spring Washer	Carbon Steel	4	4	6
729-9	Spring Washer	304SS	4	4	4
729-10	Spring Washer	Carbon Steel	-	-	6
837	Shim	304SS	2-7	2-7	2-7

*NOTE: 729-6 position (item number) of ESPU4 is the same as 135-2 of ESPU3/6 as shown in the exploded view

