

EP INOX AISI 316 Close Coupled Liquid Ring Pumps



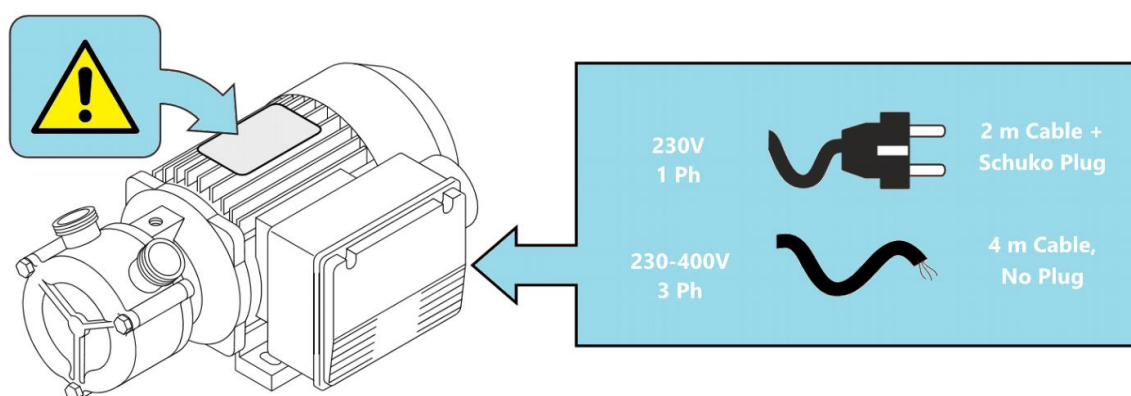
Typical Applications

- Clear Fresh Water Transfer & Filtration Applications
- Sump & Tank Emptying
- Food Grade, Low Viscosity, Transfer Applications
- Wash-Down
- Portable Tank to Tank Transfer & Refilling
- CIP Scavenge

Technical Information

- Pumps fitted with a single phase motor are equipped with a 2 m power supply cable & Schuko (Euro) Plug.
- Pumps fitted with a three phase motor are equipped with a 4 m power supply cable with no plug and must be connected via a qualified electrician.

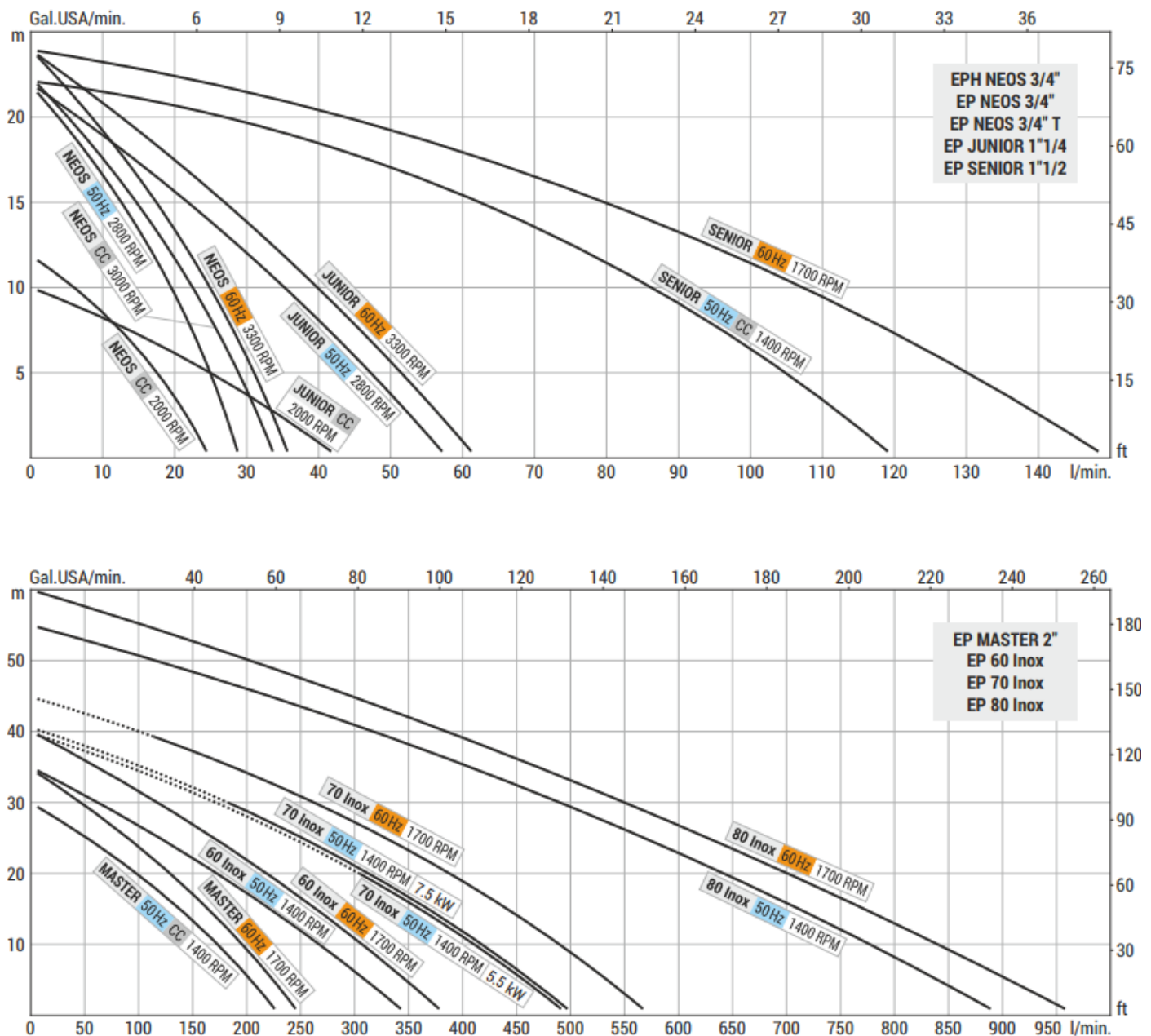
Electrical & connection data is indicated on the label attached to each motor, other connection options are available on request. Please ask a member of our sales or technical team for further assistance or clarification.



- **Pumps fitted with either a 12 or 24V DC (CC – Continuous Current) Motor** need a battery or generator providing a 12V or 24V DC supply. The connection must be made with both positive and negative cables with a minimum diameter of 4 mm and a maximum length of 5-6 meters.

ATTENTION! The pump will start immediately after connecting the cables to an electrical source. Therefore, it is recommended to install a start / stop switch in the electrical feed line between the electrical source and equipment.

Performance Tombstones



50 Hz Performance Table

Model	Handle	Motor	Volt	kW	Rpm	Performance, H = Head (m), Q = Capacity (l/min)												H
						0	5	10	15	18	22	30	35	40	50	55		
EPH NEOS ¾"	X	L MF	230	0.22	2800	29	25	18	13	8	0						Q	
EP NEOS ¾"	X	M MF	230	0.22	2800	29	25	18	13	8	0							
	X	M MF	110	0.22	2800	29	25	18	13	8	0							
	X	I TF	230-400	0.26	2800	29	25	18	13	8	0							
	X	M TF	230-400	0.26	2800	29	25	18	13	8	0							
EP JUNIOR 1¼"	X	I MF	230	0.45	2800	58	47	34	22	13	0							
	X	I MF	110	0.45	2800	58	47	34	22	13	0							
	X	I TF	230-400	0.56	2800	58	47	34	22	13	0							
	X	M TF	230-400	0.56	2800	58	47	34	22	13	0							
EP SENIOR 1½"	X	I MF	230	0.75	1400	120	105	85	62	45	0							
	X	I MF	110	0.75	1400	120	105	85	62	45	0							
	X	I MF	230	1.12	1400	120	105	85	62	45	0							
	X	I MF	110	1.12	1400	120	105	85	62	45	0							
	X	I TF	230-400	0.75	1400	120	105	85	62	45	0							
	X	I TF	230-400	1.12	1400	120	105	85	62	45	0							
	X	I TF	230-400	1.12	1400	120	105	85	62	45	0							
	X	M TF	230-400	1.12	1400	120	105	85	62	45	0							
EP MASTER 2"	N/A	I MF	230	1.86	1400	230	205	175	140	120	80	0						
	N/A	I MF	110	1.86	1400	230	205	175	140	120	80	0						
	N/A	I TF	230-400	1.86	1400	230	205	175	140	120	80	0						
	N/A	M TF	230-400	1.86	1400	230	205	175	140	120	80	0						
EP 60 INOX	N/A	M TF	230-400	4.0	1400	350	310	265	220	190	150	60	0					
EP 70 INOX	N/A	M TF	230-400	5.5	1400	500	455	415	365	330	280	165	90	0				
	N/A	M TF	230-400	7.5	1400	500	455	415	365	330	280	165	90	0				
EP 80 INOX	N/A	M TF	230-400	15	1400	900	840	780	720	660	620	500	410	310	110	0		

60 Hz Performance Table

Model	Handle	Motor	Volt	kW	Rpm	Performance, H = Head (m), Q = Capacity (l/min)												
						0	5	10	15	22	24	35	42	45	55	60	H	
EP NEOS ¾"	X	M	MF	230	0.26	3300	36	31	25	17	4	0	Q					
	X	M	MF	110	0.26	3300	36	31	25	17	4	0						
	X	I	TF	230-400	0.31	3300	36	31	25	17	4	0						
	X	M	TF	230-400	0.31	3300	36	31	25	17	4	0						
EP JUNIOR 1¼"	X	I	MF	230	0.54	3300	62	52	40	27	7	0						
	X	I	MF	110	0.54	3300	62	52	40	27	7	0						
	X	I	TF	230-400	0.67	3300	62	52	40	27	7	0						
	X	M	TF	230-400	0.67	3300	62	52	40	27	7	0						
EP SENIOR 1½"	X	I	MF	230	1.34	1700	150	130	107	80	25	0						
	X	I	MF	110	1.34	1700	150	130	107	80	25	0						
	X	I	TF	230-400	1.34	1700	150	130	107	80	25	0						
	X	M	TF	230-400	1.34	1700	150	130	107	80	25	0						
EP MASTER 2"	N/A	I	MF	230	2.23	1700	250	225	200	165	115	100		0				
	N/A	I	MF	110	2.23	1700	250	225	200	165	115	100		0				
	N/A	I	TF	230-400	2.60	1700	250	225	200	165	115	100		0				
	N/A	M	TF	230-400	2.60	1700	250	225	200	165	115	100		0				
EP 60 INOX	N/A	M	TF	230-400	4.80	1700	385	350	310	265	200	180		60	0			
EP 70 INOX	N/A	M	TF	230-400	9.0	1700	570	530	490	440	360	340		190	100	0		
EP 80 INOX	N/A	M	TF	230-400	18	1700	970	910	850	770	670	640		470	350	290	100	0

NOTES:

MF = Single Phase / TF = Three Phase / X = Available on request, N/A = Not Available / Voltages Available on request: 255-440V & 277-480V

12 & 24V DC Performance Table

Model	Handle	Motor	Volt	A	kW	Rpm	Performance, H = Head (m), Q = Capacity (l/min)												H
							0	2	5	8	10	12	15	20	22	24	30		
EP NEOS ¾"	(*)	M	CC	12	26	0.33	2000	25	22	18	11	5	0						Q
	(*)	M	CC	24	14	0.33	2000	25	22	18	11	5	0						
EP NEOS ¾" T	(*)	M	CC	12	36	0.45	3000	34	32	29	25	22	19	15	5	0			
	(*)	M	CC	24	22	0.45	3000	34	32	29	25	22	19	15	5	0			
EP JUNIOR 1¼"	(*)	M	CC	12	32	0.37	2000	43	39	25	11	0							
	(*)	M	CC	24	20	0.37	2000	43	39	25	11	0							
EP SENIOR 1½"	(*)	M	CC	24	45	1.12	1400	120	115	105	95	85	80	62	30	0			
EP MASTER 2"	(*)	I	CC	24	95	1.50	1400	230	220	205	185	175	160	140	95	80	60	0	

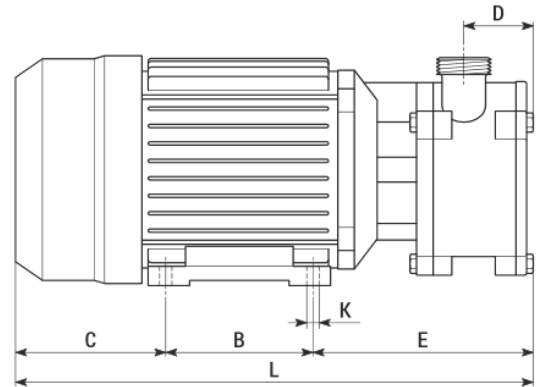
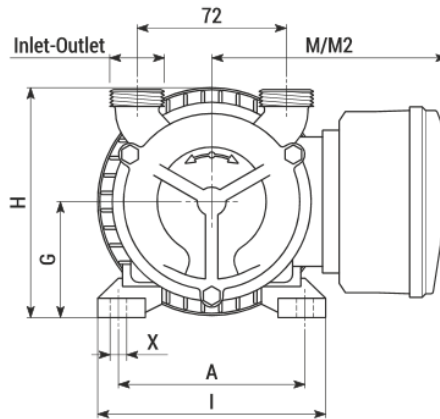
NOTES:

(*) = Included with pump

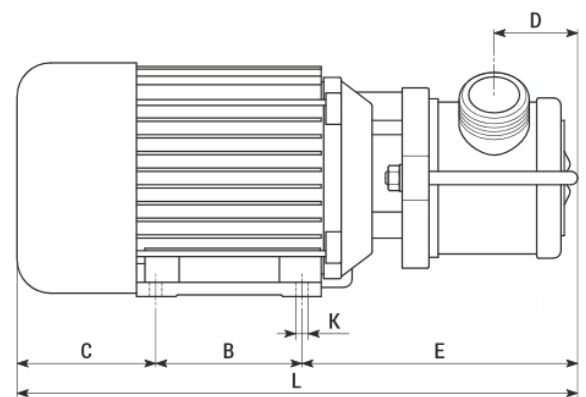
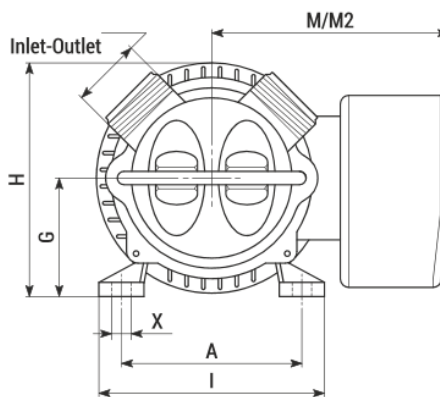
CC = Continuous Current

Dimensional Drawings

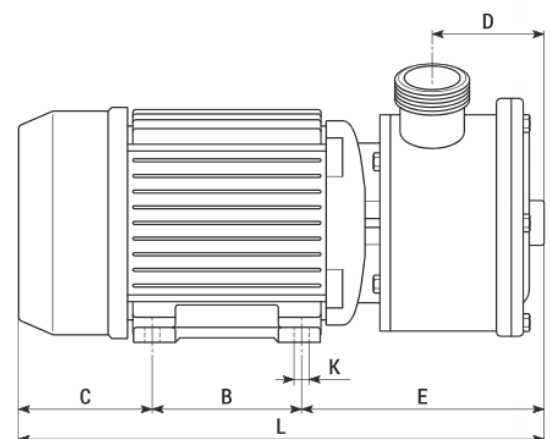
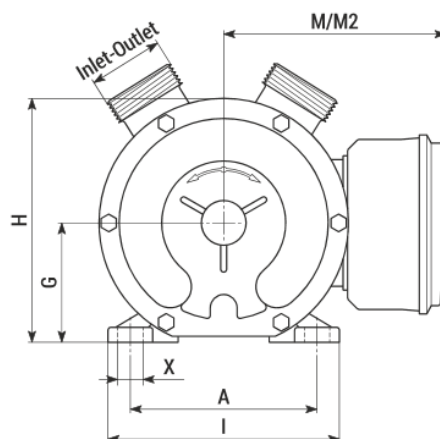
EPH NEOS 3/4"
EP NEOS 3/4"



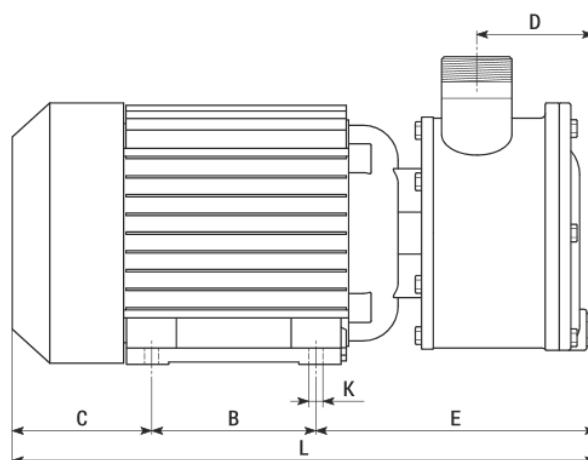
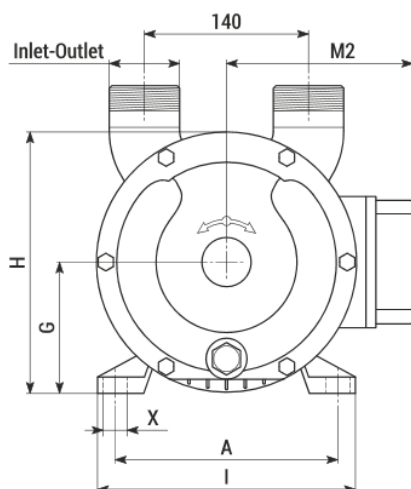
EP JUNIOR 1 1/4"



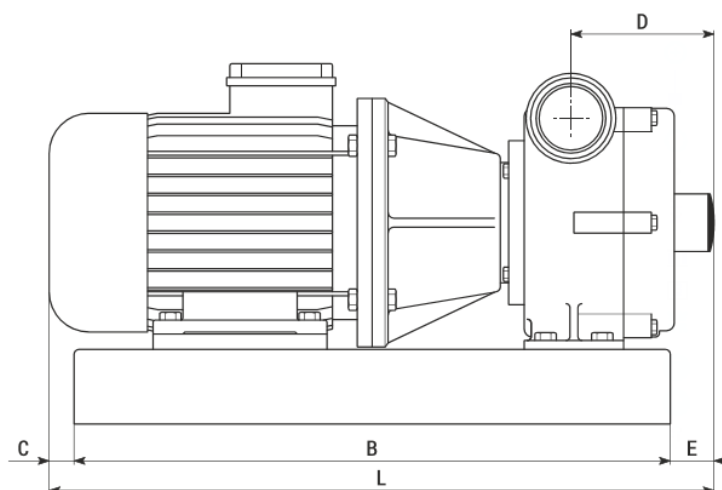
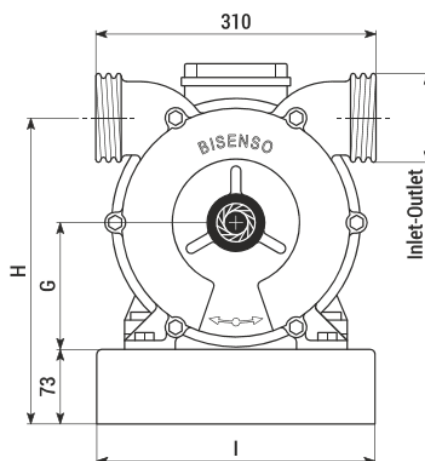
EP SENIOR 1 1/2"
EP MASTER 2"



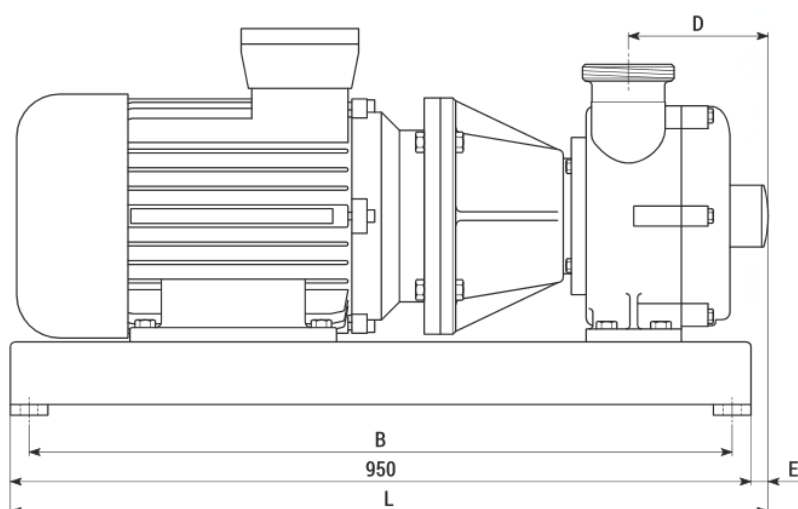
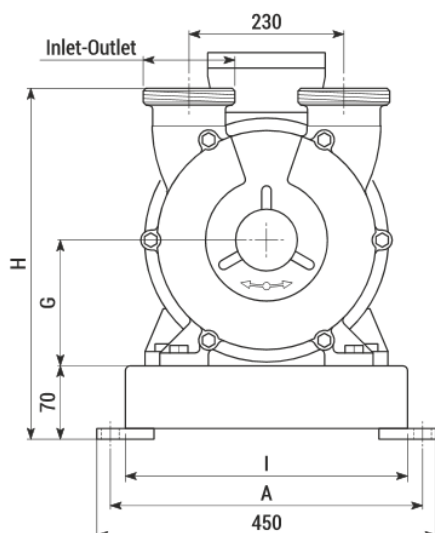
EP 60 Inox 2"



EP 70 Inox



EP 80 Inox



Dimensions Table

Model	Ports* / Hose Tails Ø**	Motor	Dimensions (mm)												
			A	B	C	D	E	G	H	I	K	L	M***	M2***	X
EPH NEOS ¾"	¾" BSP M / 20	MF	90	71	73	34	107	56	113	-	5.5	251	110	-	8
EP NEOS ¾"	¾" BSP M / 20	CC	100	80	100	34	115	71	123	-	7	295	-	110	12
		MF/TF	90	71	73	34	107	56	113	-	5.5	251	135	100	8
EP JUNIOR 1¼"	1¼" BSP M / 30	CC	112	90	102	50	168	71	137	136	8	360	-	110	12
		MF/TF	112	90	78	50	168	71	137	136	8	336	145	110	12
EP SENIOR 1½"	1½" BSP M / 40	CC	140	125	185	76	190	90	165	175	10	500	-	130	17.5
		MF/TF	125	100	90	76	170	80	165	155	10	360	155	125	17.5
EP MASTER 2"	2" BSP M / 50	CC	140	125	137	94	185	90	193	175	10	447	-	-	17.5
		MF/TF	140	125	100	94	215	90	193	175	10	440	160	130	17.5
EP 60 INOX	2" BSP M / 50	TF	190	140	119	94	231	112	223	220	11	490	-	160	21
EP 70 INOX	DIN 65 / N/A	TF 5.5 kW	-	600	43	144	47	128	306	270	-	690	-	-	-
		TF 7.5 kW	-	600	110	144	80	132	310	270	-	790	-	-	-
EP 80 INOX	DIN 80 / N/A	TF 15 kW	430	920	-	181	52	160	405	400	-	1002	-	-	-

NOTES:

* = Standard Connection, Others available on request

** = Stainless Steel or Nylon Fittings available on request / N/A = Not Available

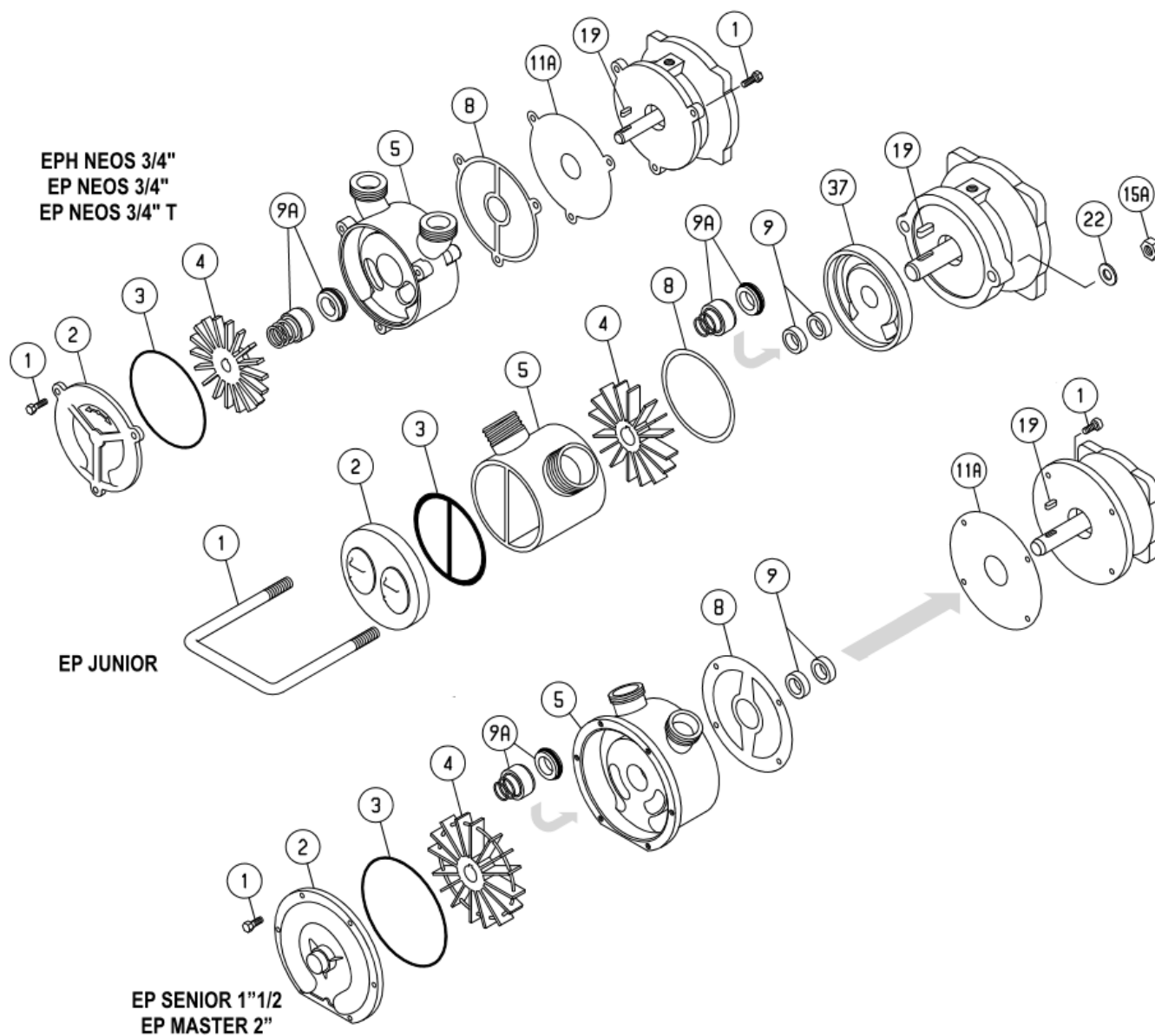
M*** = Motor fitted with On / Off / Reversing Switch on Terminal Box

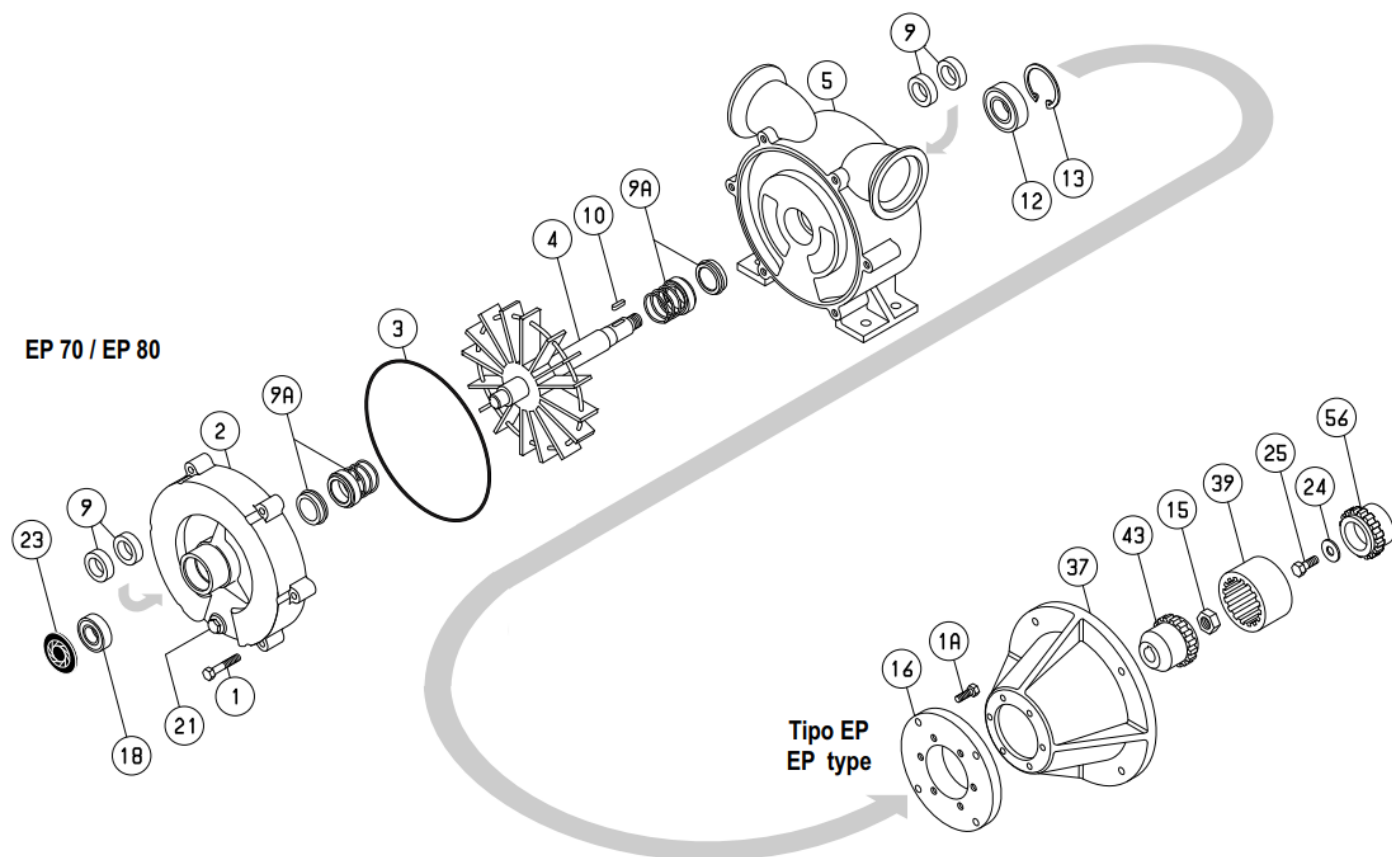
M2*** = Terminal Board Connection

Weights & Dimensions

Model	Weight, Kg
EPH NEOS ¾"	5.5
EP NEOS ¾", CC	4.7
EP NEOS ¾", MF/TF	5.1
EP JUNIOR 1¼", CC	9.3
EP JUNIOR 1¼", MF/TF	9.6
EP SENIOR 1½", CC	19.9
EP SENIOR 1½", MF/TF	17.6
EP MASTER 2", CC	35.5
EP MASTER 2", MF/TF	27.5
EP 60 INOX	42.0
EP 70 INOX, 5.5 kW	75.0
EP 70 INOX, 7.5 kW	87.0
EP 80 INOX	216.0

Exploded Views





Parts List

Item No	Description
1	Screw & U-Bolt
1A	Screw
2	Cover
3	Cover Seal
4	Impeller
5	Pump Casing
8	Flange Seal
9	Lip Seal
9A	Mechanical Seal
11A	Stainless Steel Seal
13	Seeger Ring
15	Nut
15A	Nut for U-Bolt
19	Impeller Flat Key
23	Rubber Cover
37	EP JUNIOR Back Cover