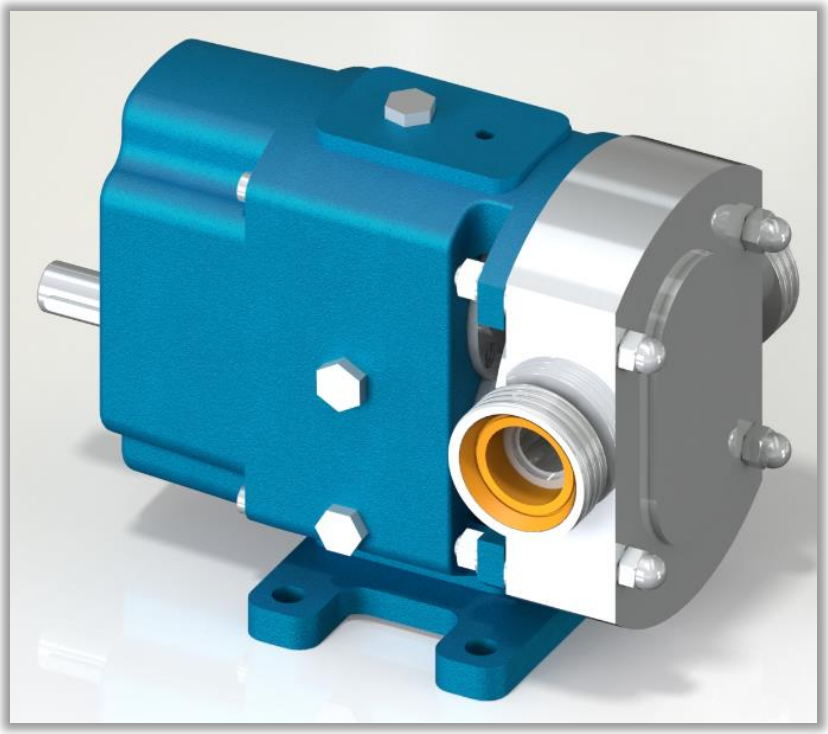




POMPA DEĞERLERİ / *PUMP PROPERTIES*	
Q	:10,5 m³/h
Hm	:1 ~ 8 Bar
T	:0 ~ 150 ºC
n	:1 ~ 500 d/d
Visc.	:150 ~ 250000 SSU

KULLANIM ALANLARI

- Gıda Sanayinde (Çikolata, Şeker Şurubu, Krema, Melas...)
- Kimya Sanayinde (İlaç, Deterjan, Sabun, Kozmetik kremler...)
- Boya Sanayinde
- Kağıt Sanayinde
- Jeller, Gres...

USE AREAS

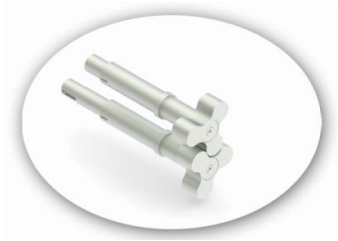
- *Food Industry (Chocolate, Sugar Syrup, Cream, Molasses)*
- *Chemical Industry (Drugs, Detergents, Soap, Cosmetic creams...)*
- *Paint Industry*
- *Pulp & Paper Industry*
- *Gels, Greases...*

MALZEME SEÇENEKLERİ

- Pompa Gövdesi ve Kapak: Pik.
- Lob Yuvası ve loblar: Çelik döküm, paslanmaz AISI 304 / 316 döküm
- Yataklar : Rulman
- Sızdırmazlık: Mekanik salmastra, keçe

MATERIAL OPTIONS

- *Pump Body and Cover:Cast iron.*
- *Lobe Casing and Lobes: Steel cast, stainless AISI 304 / 316 cast.*
- *Bearings: Bearing*
- *Sealing: Mechanical seal, lip seal*



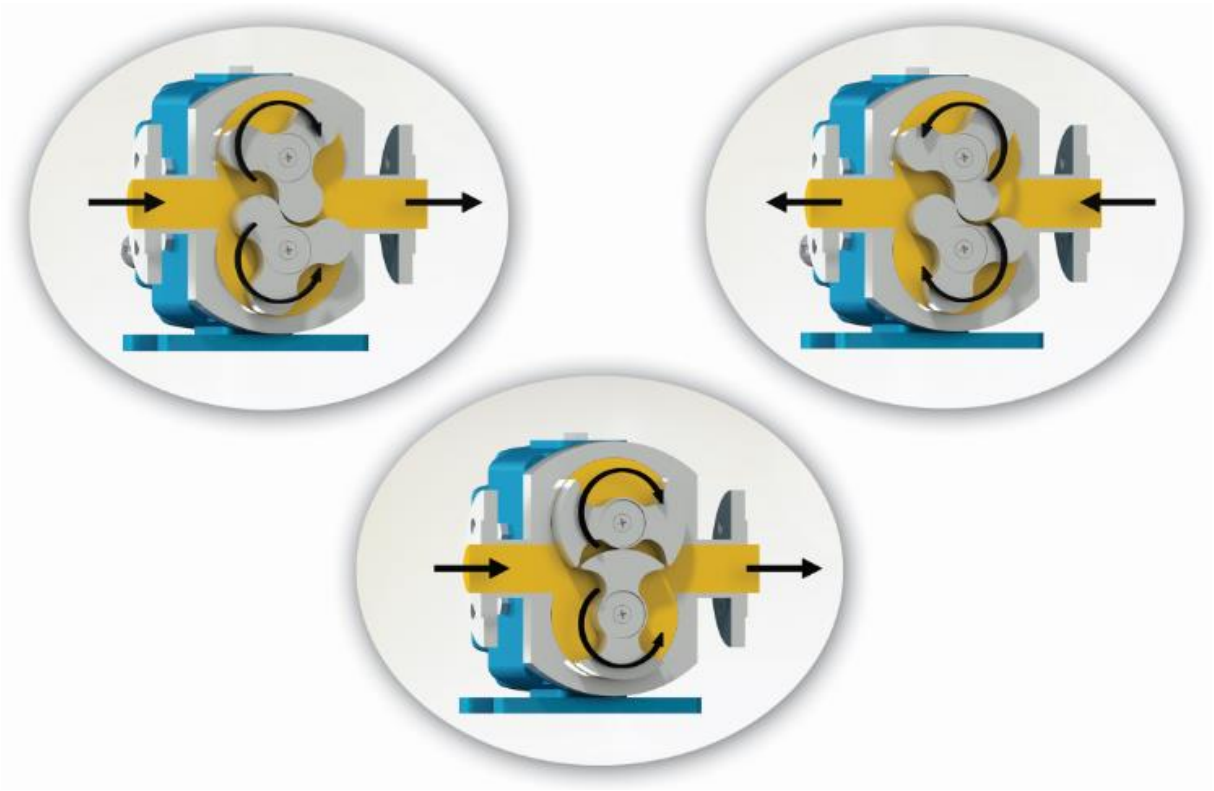
LOP POMPA ÇALIŞMA PRENSİBİ /
WORKING PRINCIPLE OF LOBE PUMP

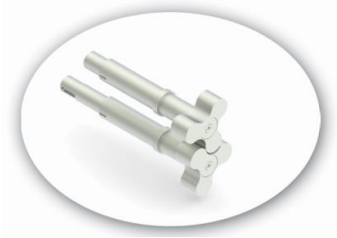
Lob Pompalar, Zamanlama Dişlileri tarafından tahrik edilmektedir. Söz konusu Zamanlama Dişlileri sayesinde, paralel miller üzerinde bulunan ve tamamen paslanmaz çelikten imal edilen Gövde'nin içerisinde birbirine veya gövde ile lob arasında temas etmeden dönmesini sağlamaktadır. Pompanın tahriki ise redüktörden alınan dönme hareketi, döndüren zamanlama dişlisinden döndürülen zamanlama dişlisine ters yönde aktararak sağlanmaktadır.

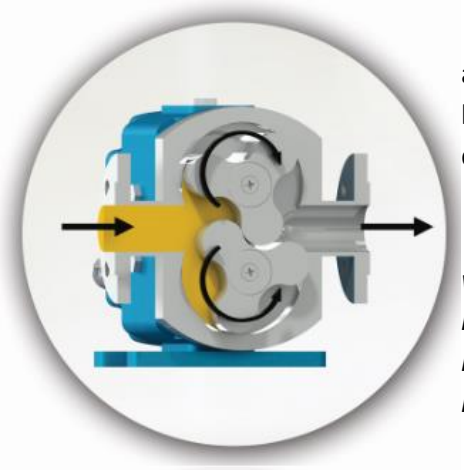
Lob Pompaların hijyenik malzeme ve tasarımından dolayı güvenilirlik sağlayabilir, sıvının yapısını bozmadan transfer edebilir ve sıvının viskozitesine bağlı olmak üzere, 12 Bar'a kadar basınç elde edebilmektedir.

Rotary Lobe Pumps, are driven by Timing Gears. Rotor lobes, which are located on two parallel shafts in a stainless steel casing, are prevented from physical contact with each other and/or with inner surface of casing by timing gears. Rotational motion received from driver's shaft are transferred in the opposite direction to pump's driven timing gear by driving timing gear.

Rotary Lobe Pumps are reliable thanks to its hygiene design, capable of pumping without damaging liquid's structure, and depending on liquid's viscosity, Rotary Lobe Pumps have the ability of generating pressure up to 12 Bar.







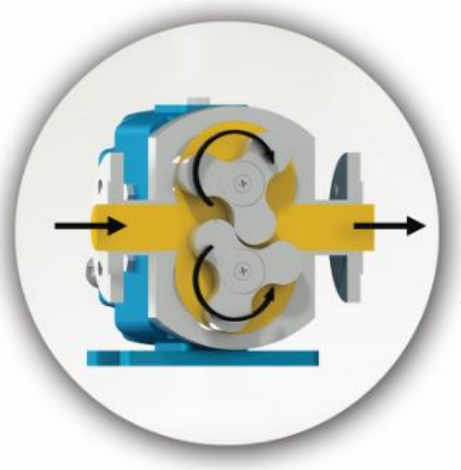
Yandaki renkli kısım sıvının pompa gövdesindeki emiş ağzı alanına, çeviren ve çevrilen dış dişlilerin sayesinde lob boşlukları alanına girişini gösterir. Siyah oklar pompanın dönüş ve sıvının ilerleyişini gösterir.

Colored area in the picture on the side presents liquid while entering suction port, due to vacuum created by rotation of lobes; which are rotated by timing gears. Arrows in black indicates forward advancing of the liquid and rotation direction of the pump.



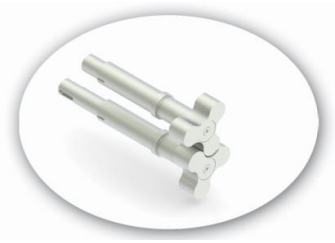
Görüldüğü gibi akışkan taşınması loblar ile lobları içinde barındıran gövde arasında olmaktadır. Akışkan loblar arasından geçmemektedir.

Picture here presents liquid filling inner chamber of the pump and just before reaching to discharge port. Here we can also see how a closed area is formed between rotor/lobe and casing.



Lob ve lob gövdesi arasındaki boşlukların sıvı için nasıl bir kapalı cep oluşturduğunu görebiliyoruz. Bu görüntü pompanın tamamen dolup taştığı durumu ve sıvının boşaltma işlemini, boşaltma ağzından ilerleyişini göstermektedir. Sonunda lobların gücü ile akışkan basınç altında çıkış ağzına iletilir.

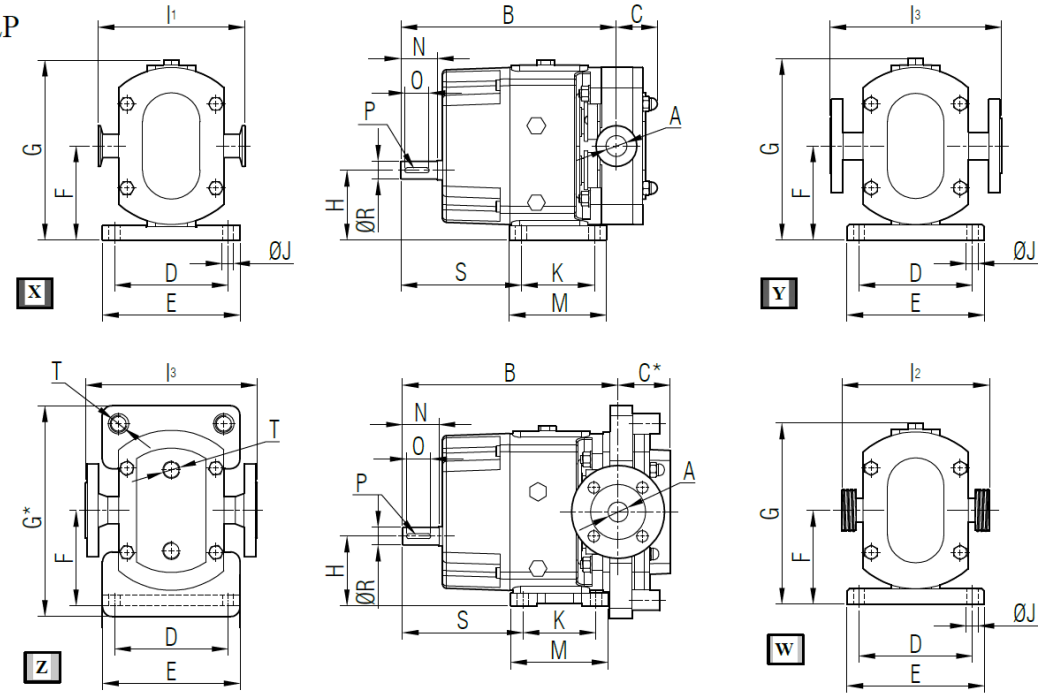
In this picture, we can see how inner chamber of pump is completely filled, how liquid have reached outlet port and now overflowing outside the pump. As a final step, liquid is forced under pressure to outlet port by power generated by rotation of lobes/rotors.



YLP3-001-035 POMPASINA AİT KAPASİTE VE GÜÇ TABLOSU / *CAPACITY AND POWER TABLE*					
KAPASİTE (m³/h) *CAPACITY (Q)*	DEVİR (d/d) *SPEED (rpm)*	ÇIKIŞ BASINCI / *PRESSURE*			VİSKOZİTE *VISCOSITY*
		0 Bar	3,5 Bar	7 Bar	
2	100	1,5 HP	2 HP	3 HP	75000 SSU
4	200	2 HP	4 HP	5,5 HP	75000 SSU
6	300	2 HP	4 HP	5,5 HP	15000 SSU
8	400	2 HP	4 HP	5,5 HP	2500 SSU
10	500	2 HP	4 HP	5,5 HP	500 SSU
11	550	2 HP	4 HP	5,5 HP	150 SSU

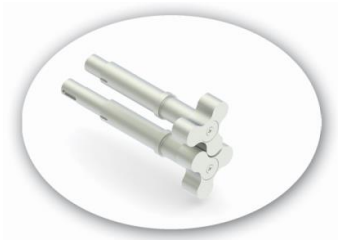
POMPA BOYUT ÖLÇÜLERİ / *PUMP DIMENSIONS*

YLP

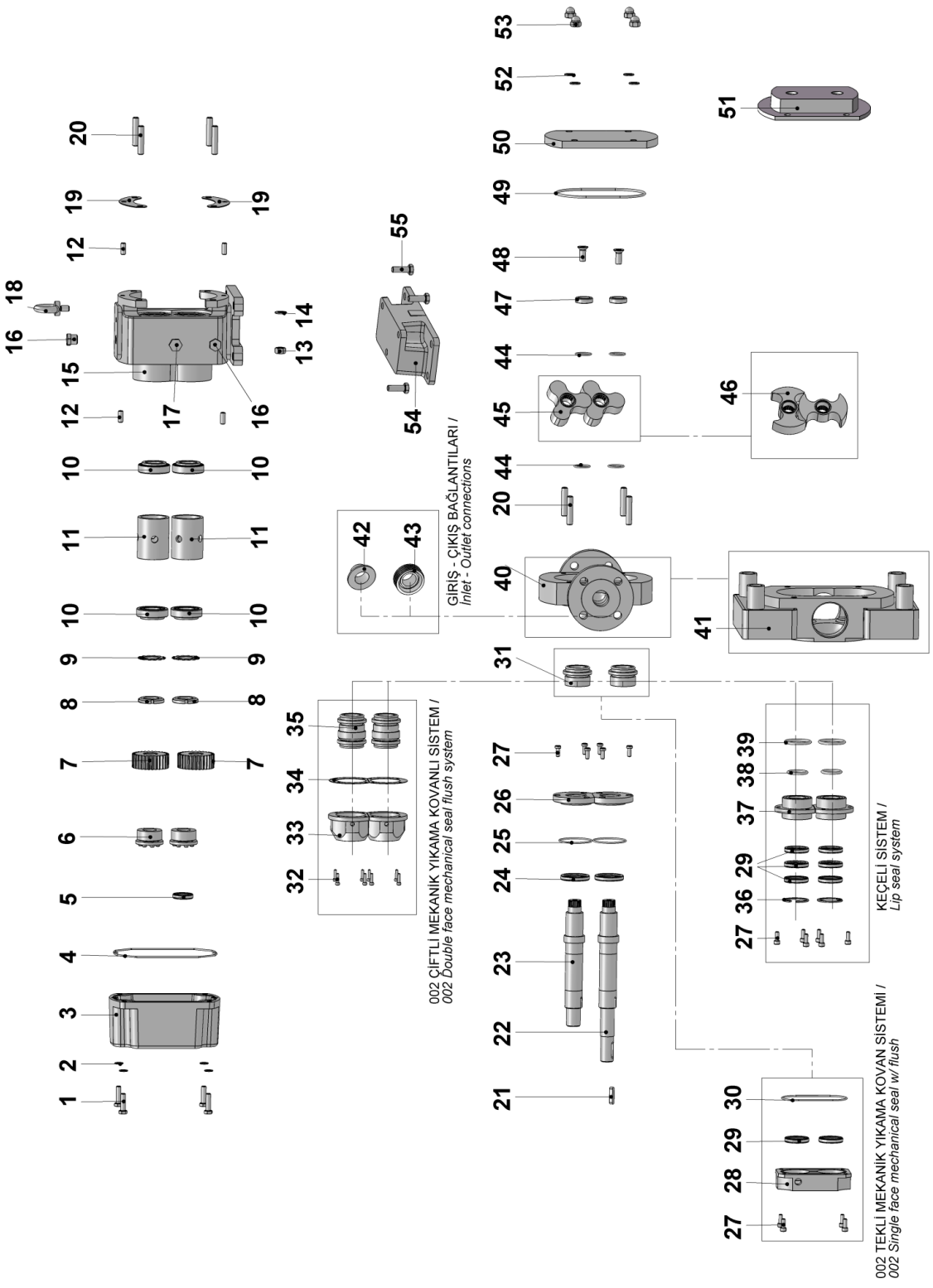


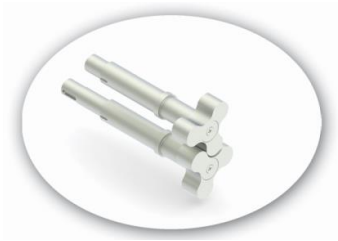
X	Ferruleli Pompa / *Pump with Sanitary Clamp Connection*
Y	Flanşlı Pompa / *Pump with Flange Connection*
Z	Ceketli Pompa / *Pump with Heating Jackets*
W	Rekorlu Pompa / *Pump with Male Thread Connection*
B	001 Kodlu pompa için / *For Pump with Code 001*
B*	002 Kodlu pompa için / *For Pump with Code 002*

POMPA KODU *PUMP CODE*		A	B	B*	C	C*	D	E	F	G	G*	H	I1	I2	I3	J	K	M	N	O	P	R	S	T	kg.
YLP3	035	DN40	324	-	62	79	155	190	140	270	305	101	197	220	300	14	100	135	55	32	8x7	27	174	1/2"	45
		DN50											197	224	300										46
		DN65											272	296	300										47



YEDEK PARÇA LİSTESİ / *SPARE PARTS LIST*





No	PARÇA İSMİ	PART NAME	ADET/ QTY.	No	PARÇA İSMİ	PART NAME	ADET/ QTY.
1	M10x30 İMBUS CİVATA	HEX SOCKET M10x30	4	29	KEÇE Ø40xØ60x8	LIP SEAL ø40xø60x8	8
2	M10 PUL	M10 WASHER	4	30	KOVAN O-RİNG	FLUSH O-RING	1
3	ARKA KAPAK	BACK COVER	1	31	TEKLİ MEKANİK SALMASTRA	SINGLE FACE MECHANICAL SEAL	2
4	ARKA KAPAK O-RING	BACK COVER O-RING	1	32	M6x15 İMBUS CİVATA	HEX SOCKET M6x15	8
5	KEÇE Ø30Xø45x8	LIP SEAL ø30xø45x8	1	33	ÇİFTLİ MEKANİK YIKAMA KOVANI	FLUSH OF DOUBLE FACE MECHANICAL	2
6	SIKIŞTIRICI (CTL-200-Ø30)	SQUEEZER (CTL-200-Ø30)	2	34	ÇİFTLİ MEKANİK YIKAMA KOVAN CONTASI	FLUSH GASKET OF DOUBLE FACE MECHANİCAL SEAL	2
7	DİŞLİ	SPUR GEAR	2	35	ÇİFTLİ MEKANİK	DOUBLE FACE MECHANICAL SEAL	2
8	KİLİT SOMUNU M30x1,5	LOCK NUT M30x1,5	2	36	İÇ SEGMAN (ø60)	INTERNAL CIRCLIP (ø60)	2
9	KİLİT SACI M30	LOCK WASHER M30	2	37	KEÇE KOVANI	FLUSH OF LIP SEAL	2
10	RULMAN 5207	BEARING 5207	4	38	KEÇE KOVANI DIŞ O-RİNG	OUTER O-RING OF LIP SEAL HOUSING	2
11	ARA BORU	SPACER	2	39	KEÇE KOVANI ALIN O-RİNG	FRONT FACEE O-RING OF LIP SEAL HOUSİNG	2
12	PİM Ø8x25	PIN Ø8x25	4	40	LOP YUVASI	LOBE CASING	1
13	M10 SOMUN	M10 NUT	4	41	CEKETLİ GÖVDE	JACKETED LOBE CASING	1
14	M10 PUL	M10 WASHER	4	42	FERRULE	FERRULE	2
15	GÖVDE	CASING	1	43	REKOR	RAKOR	2
16	TAPA R3/8''	CAPS R3/8''	2	44	LOP O-RİNG	LOBE O-RING	4
17	ŞEFFAF YAĞ GÖSTERGESİ R3/8''	OIL INDICATOR R3/8''	1	45	3'LÜ LOB	TRI-LOBE	2
18	MAPA	EYEBOLT	1	46	2'Lİ LOB	BI-LOBE	2
19	ARA SAC	ADJUSTING PLATE	2	47	MİL UC KAPAK	LOBE FASTENER	2
20	SAPLAMA M10x50	STUDBOLT M10x50	8	48	HAVŞA BAŞLI CİVATA M10x25	COUNTERSUNK HEAD SCREWS M10x25	2
21	KAPLİN KAMA 8x7x32 A	COUPLING KEY 8x7x32 A	1	49	KAPAK O-RİNG	COVER O-RING	1
22	UZUN MİL	DRIVING SHAFT	1	50	ÖN KAPAK	FRONT COVER	1
23	KISA MİL	DRIVEN SHAFFT	1	51	KAPAK (CEKETLİ)	COVER (w/ HEATING JACKET)	1
24	KEÇE Ø43xØ60x10	LIP SEAL Ø43xØ60x10	2	52	M10 PUL	M10 WASHER	4
25	RULMAN KAPAK O-RİNG	BEARING COVER O-RING	2	53	M10 KUBBE BAŞLI SOMUN	M10 DOMED CAP NUT	4
26	RULMAN KAPAK	BEARING COVER	2	54	YATAY POMPA AYAK	HORIZONTAL PUMP FOOT	1
27	M6x15 İMBUS CİVATA	HEX SOCKET M6x15	10	55	6 KÖŞE CİVATA M10x30	HEX BOLT M10x30	3
28	TEKLİ MEKANİK YIKAMA KOVANI	FLUSH OF SINGLE FACE MECHANICAL SEAL	1				