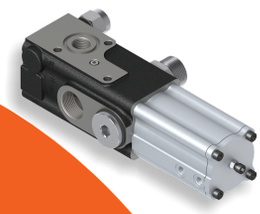
hydrotip®
telescopic cylinder











HİDROLİK EKİPMANLAR
HYDRAULIC EQUIPMENT

ÖZÇELİKLER **HİDROLİK**

1975

Özçelikler Hidrolik 1975 yılında hidrolik silindir tasarım ve üretimi yapmak üzere kurulmuştur. Üretime başladığı günden bu yana ismi her zaman kalite ile birlikte anılmış, günümüzde sektöründe söz sahibi, Türkiye'nin önde gelen hidrolik silindir üreticilerinden biri haline gelmiştir. Özçelikler Hidrolik,150.000 adet/yıl üretim kapasitesi, 11.000 m2 toplam üretim alanı, Türkiye ve Avrupa'da kurulu dört farklı tesis, modern ve yüksek teknolojiye sahip makine parkı ve 130 tecrübeli çalışanı ile 40-500 mm piston çaplarında ,10.000 mm strok boylarına kadar yüksek kaliteli hidrolik silindirler ve hidrolik teleskopik silindirler üretmektedir.

Özçlikler Hidrolik; kaliteli,rekabetçi,esnek ve modern yapısı ile şirkemiz ve dünyada bir çok önemli kuruluşun tercih ettiği, EN ISO 9001/2008 kalite belgesine sahip bir markadır.

Üretimini yaptığımız hidrolik silindirler;

- Mobil ve araç üstü ekipman uygulamalarında,
- Araç üstü ve mobil vinçlerde,
- İş ve inşaat makinelerinde,
- Madencilik endütrisinde,
- Savunma sanayinde,
- Demir çelik üretim tesislerinde,
- Enerji sektörü uygulamalarında,
- Çimento sanayinde,
- Damper ve dorse uygulamarında,
- Denizcilik uygulamalarında,
- Zirai araç ve ekipmanlarında,
- Geri dönüşüm sektöründe, çalışmaktadır.

ÖZÇELİKLER **HYDRAULIC**

1975

Özçelikler Hidrolik was established in 1975 in order to design and produce hydraulic cylinders. From the beginining up to now,its name has been known with quality and today Özçelikler Hidrolik became one of the leading hydraulic cylinder producers from Türkiye. Özçelikler Hidrolik with its four different production and sales locations in Türkiye and Europe that covers a total close area of 11.000 m² and having an annual production capacity of 150.000 pcs. of hydraulic and hydraulic telescopic cylinders. We produce 40 to 500mm in piston dimeters and up to 10.000mm stroke lenghts with our 130 qualified labor force in our modern and technological production plants.

Özçelikler Hidrolik is a choice of many important companies in our country and in the world due to its qualified,competitive,flexible and modern system that is working according to EN ISO 9001; 2008 quality system.

Hydraulic Cylinders that are produced by us is working for;

- Mobile and body building applications in commercial vehicles,
- Truck mounted and mobile cranes,
- Earth maving and construction machinery,
- Mining industry,
- Steel mills and foundaries,
- Defense industry,
- Energy sector,
- Cement industry,
- Truck tippers and trailers,
- Off shore applications,
- Agricultural vehicles and machinery,
- Recyling industry...

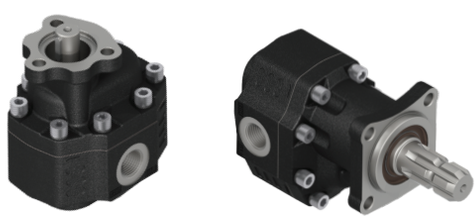
özçelikler®
hydraulic cylinders

İÇİNDEKİLER / INDEKS

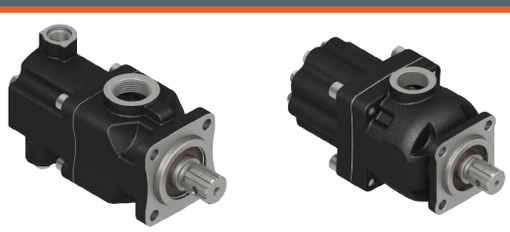
VALFLER / VALVES **2-6**



DİŞLİ POMPALAR / GEAR PUMPS **8-16**



PİSTONLU POMPALAR / PISTON PUMPS **17-20**



EKSENEL POMPALAR / BENT AXIS PUMPS **21-22**



YAĞ TANKLARI / OIL TANKS **23-29**

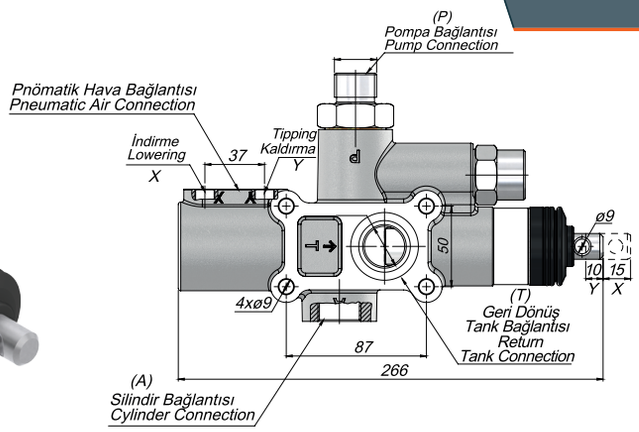


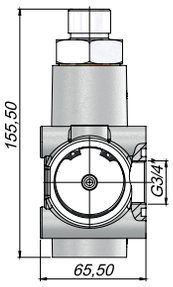
VALFLER



AÇIK DEVRE YÖN KONTROL VALFİ | OPEN-LOOP DIRECTIONAL CONTROL VALVE

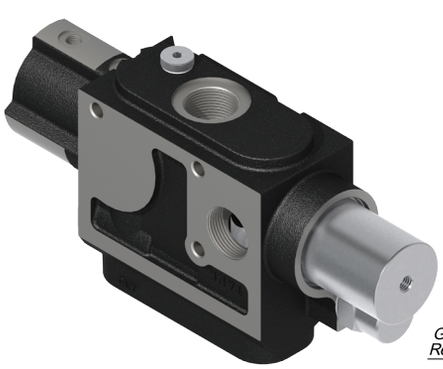


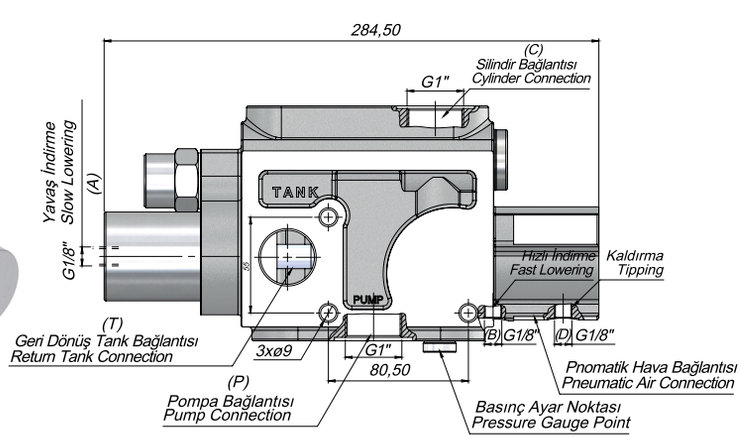


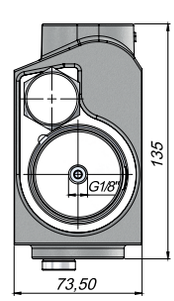


Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Havalı Çalışma Basıncı Pneumatic Working Pressure	Pompa Bağlantısı Pump Connection	Silindir Bağlantısı Cylinder Connectiom
	(l/dk)	(Bar)	(°C)	(cSt)	(Bar)		
HT.VAD.140.NP	140	350	-10~+80~	- 12 - 100 cSt	7-12	3/4"	3/4"
HT.VAD.140.NP.1	140	350	~	- 12 - 100 cSt	7-12	1"	1"
HT.VAD.140.TP	140	350	~	- 12 - 100 cSt	7-12	3/4"	3/4"
HT.VAD.140.TP.1	140	350	~	- 12 - 100 cSt	7-12	1"	1"

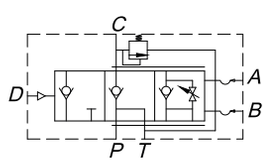
AÇIK DEVRE YÖN KONTROL VALFİ | OPEN LOOP DIRECTIONAL CONTROL VALVE







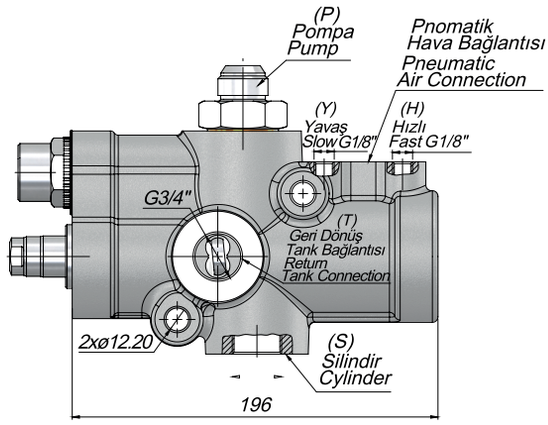
Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Havalı Çalışma Basıncı Pneumatic Working Pressure
	(l/dk)	(Bar)	(°C)	(cSt)	(Bar)
HT.VAD.180.1	180	350	-10~+80~	- 12 - 100 cSt	7-12

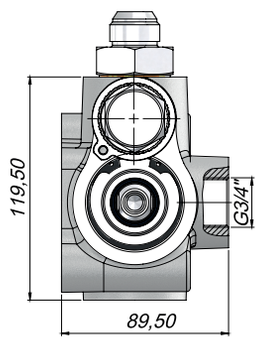


HİDROLİK SEMBOL
HYDRAULIC SYMBOL

KAPALI YÖN KONTROL VALFİ | CLOSED LOOP DIRECTIONAL CONTROL VALVE



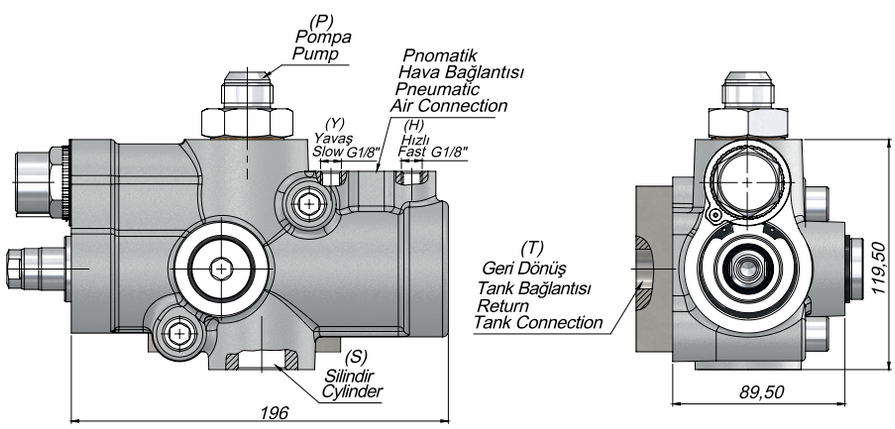




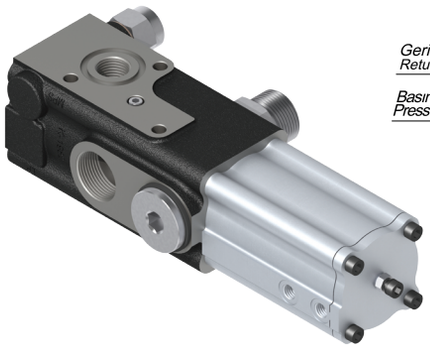
Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Havalı Çalışma Basıncı Pneumatic Working Pressure	Pompa Pump	Geri Dönüş Return Tank	Silindir Cylinder
	(l/dk)	(Bar)	(°C)	(cSt)	(Bar)			
HT.V.140.NP	140	350	-10~+80~	- 12 - 100 cSt	7-12	3/4"	3/4"	3/4"
HT.V.140.NP.1	140	350	10 +80	- 12 - 100 cSt	7-12	1"	1"	1"

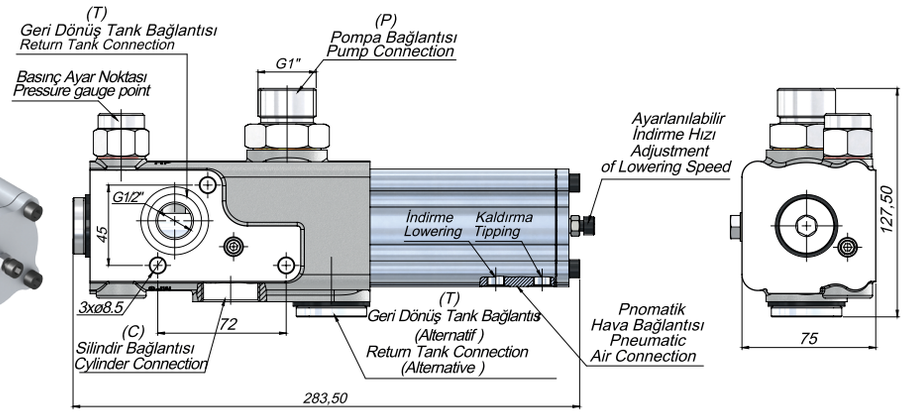
TANK TİPİ KAPALI DEVRE KONTROL VALFİ | TANK TYPE CLOSED LOOP DIRECTIONAL CONTROL VALVE



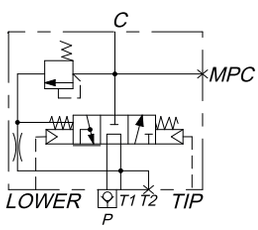


Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Havalı Çalışma Basıncı Pneumatic Working Pressure	Pompa Pump	Geri Dönüş Return Tank	Silindir Cylinder
	(l/dk)	(Bar)	(°C)	(cSt)	(Bar)			
HT.V.140.TP	140	350	-10~+80~	- 12 - 100 cSt	7-12	3/4"	3/4"	3/4"
HT.V.140.TP1	140	350	-10~+80~	- 12 - 100 cSt	7-12	1"	1"	1"





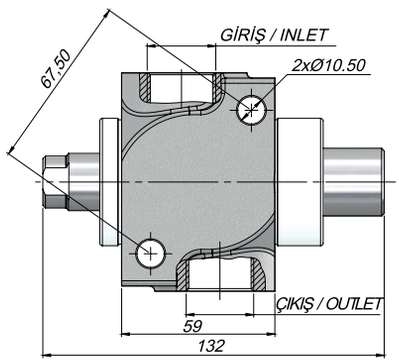
Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Havalı Çalışma Basıncı Pneumatic Working Pressure
	(l/dk)	(Bar)	(°C)	(cSt)	(Bar)
HT.V.180.1	180	350	-10~+80~	- 12 - 100 cSt	7-12

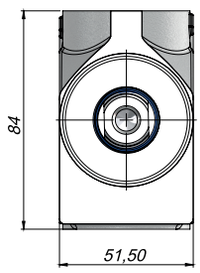


HİDROLİK SEMBOL
HYDRAULIC SYMBOL

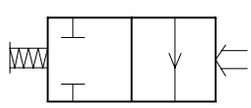
SINIR KONTROL VALFİ / KAPALI DEVRE | LIMIT CONTROL VALVE / CLOSED-LOOP







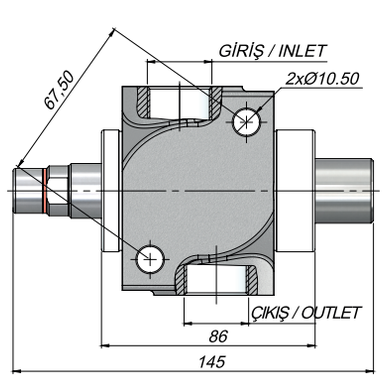
Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Giriş Inlet	Çıkış Outlet
	(l/dk)	(Bar)	(°C)	(cSt)		
HT.VSK.KD.3/4	110	190	-10~+80~	- 12 - 100 cSt	3/4"	3/4"
HT.VSK.KD.1	110	190	-10~+80~	- 12 - 100 cSt	1"	1"

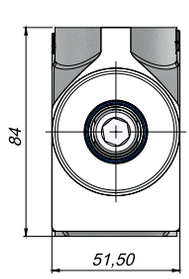


HİDROLİK SEMBOL
HYDRAULIC SYMBOL

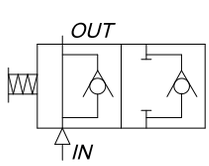
SINIR KONTROL VALFİ / AÇIK DEVRE | LIMIT CONTROL VALVE / OPEN-LOOP







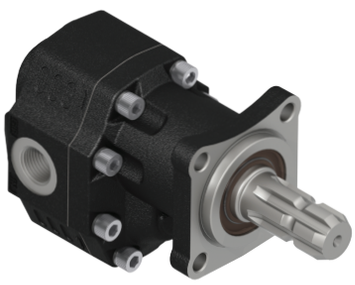
Kod Code	Debi Oranı Flow Rate	Max. Çalışma Basıncı Max. Working Pressure	Sıvı Sıcaklığı Fluid Temperrature	Çalışma Vizkosite Seviyesi Operating Viscosity Range	Giriş Inlet	Çıkış Outlet
	(l/dk)	(Bar)	(°C)	(cSt)		
HT.VSK.AD.3/4	110	190	-10~+80~	- 12 - 100 cSt	3/4"	3/4"
HT.VSK.AD.1	110	190	-10~+80~	- 12 - 100 cSt	1"	1"



HİDROLİK SEMBOL
HYDRAULIC SYMBOL

DİŞLİ POMPALAR / GEAR PUMPS





PİSTONLU POMPALAR / PISTON PUMPS

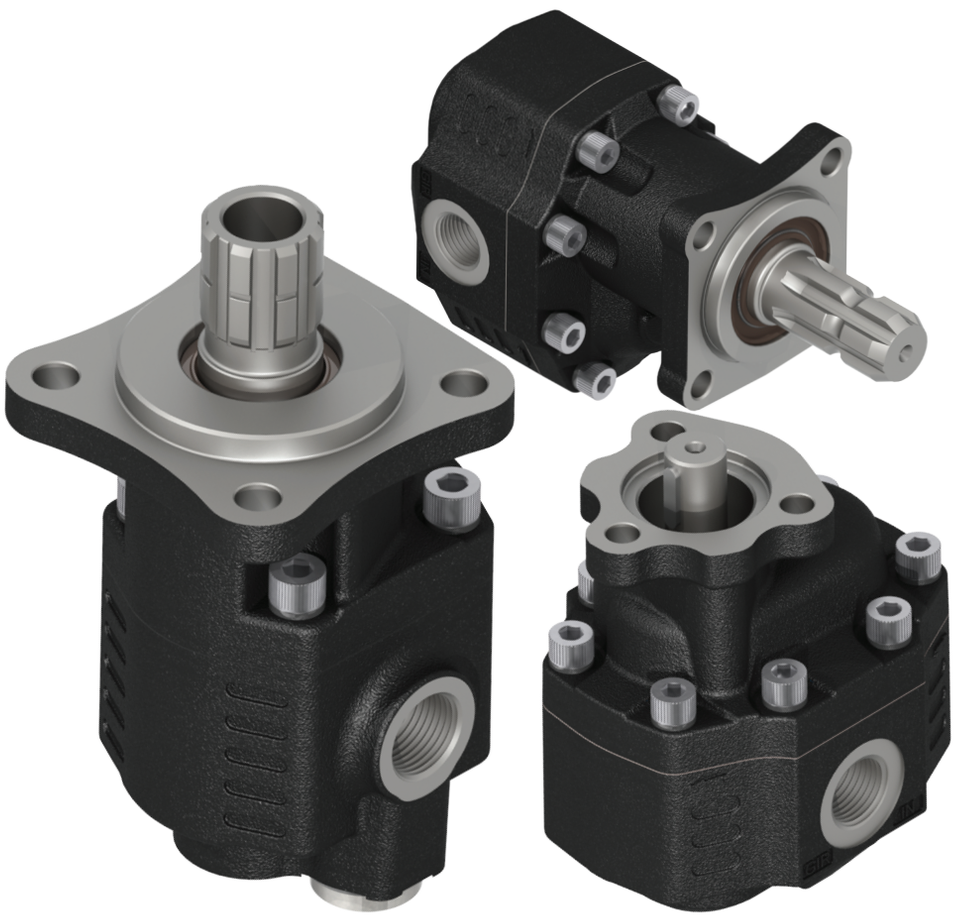



EKSENEL POMPALAR / BENT AXIS PUMPS



DİŞLİ POMPALAR

GEAR PUMPS



DİŞLİ POMPA KODLAMA TABLOSU / GEAR PUMP CODING TABLE				
40	**XX**	**XXX**	**XX**	**XX**
DİŞLİ POMPALAR / GEAR PUMPS	**Seri** / Serial	**İletim Hacmi** / Displacement	**Bağlantı tipi** / Connection Type	**Dönüş Yönü** / Rotation Direction
	20 = 20 serisi	**006 = 6 lt**	**40 = ISO Type (4 bolt)**	**01 = Sağ / Right**
	30 = 30 serisi	**016 = 16 lt**	**30 = UNI Type (3 bolt)**	**02 = Sol / Left**
	35 = 35 serisi	**025= 25 lt**		**03 = Çift Dönüşlü / Bi directional**
	40 = 40 serisi	**051 = 51 lt**		
		060 = 60 lt		
		061 = 61 lt		
		082 = 82 lt		
		087 = 87 lt		
		090 = 90 lt		
		109 = 109 lt		
		133 = 133 lt		
		151 = 151 lt		

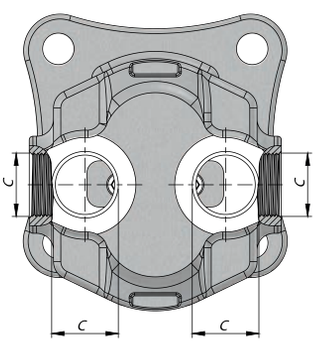
20 SERİSİ DİŞLİ POMPALAR
20 SERIES GEAR PUMPS

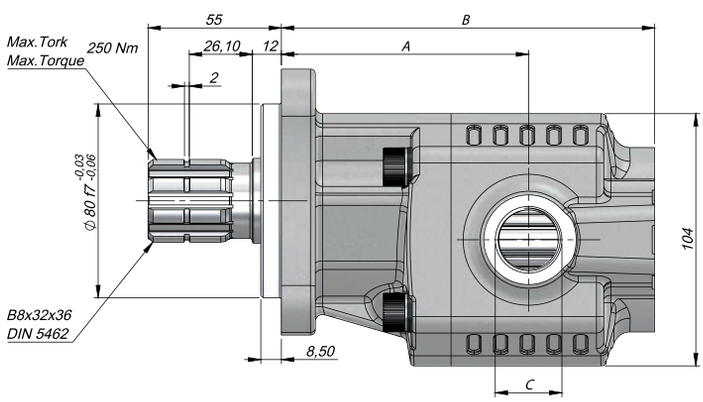
Giriş Basıncı | Inlet Pressure	0.7÷ 3 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

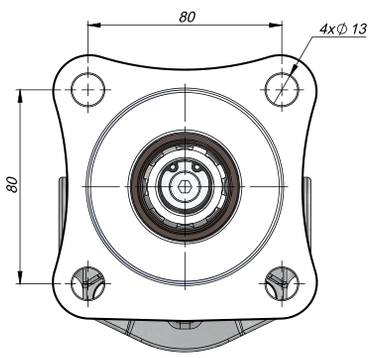
Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm



HİDROLİK SEMBOL
HYDRAULIC SYMBOL

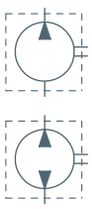






Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
20-ISO	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	C
40200064003	6	280	300	330	2300	3100	300	90	124	G1/2	G1/2
40200104003	10							96	130		
40200164003	16							96	140		
40200204003	20	260	280	300				100	146		
40200254003	25	220	250	270				102	154	G3/4	G3/4
40200324003	32	190	200	220	2100	2900		113	165		
40200404003	40	180	190	200	1900	2600		126	178		

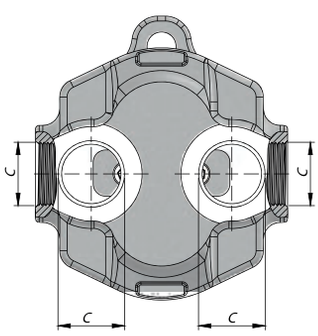
20 SERİSİ DİŞLİ POMPALAR
20 SERIES GEAR PUMPS

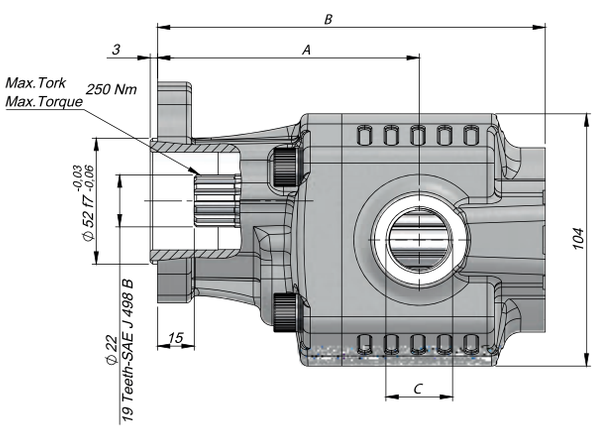


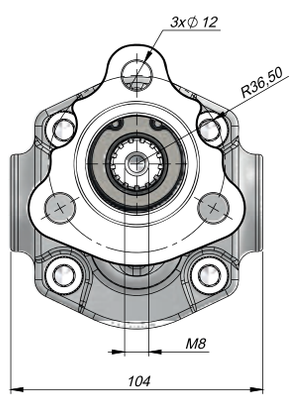
HİDROLİK SEMBOL
HYDRAULIC SYMBOL

Giriş Basıncı | Inlet Pressure	0.7÷ 3 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm







Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
20-UNI	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	C
40200063003	6	280	300	330	2300	3100	300	96	130	G1/2	G1/2
40200103003	10							102	136		
40200163003	16							102	146		
40200203003	20	260	280	300				106	152		
40200253003	25	220	250	270				108	160	G3/4	G3/4
40200323003	32	190	200	220	2100	2900		119	171		
40200403003	40	180	190	200	1900	2600		132	184		

hydrotip® telescopic cylinder

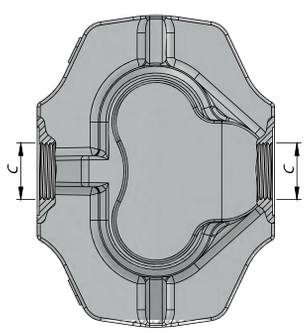
30 SERİSİ DİŞLİ POMPALAR
30 SERIES GEAR PUMPS

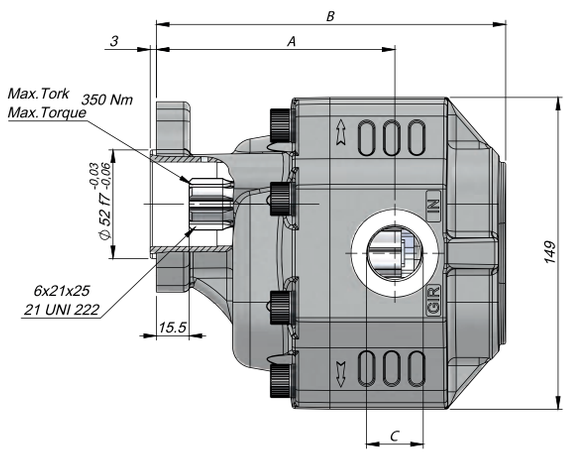


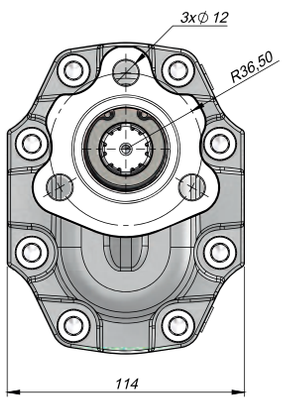
HİDROLİK SEMBOL
HYDRAULIC SYMBOL

Giriş Basıncı | Inlet Pressure	0.7÷ 1.5 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm







Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
30-ISO	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	D
40300173003	17	300	310	320	2600	3000	300	124.5	171.5	G1/2"	G1/2"
40300273003	27	290	300	310				129.5	177.5	G3/4"	
40300343003	34	285	295	305	2300	2900		130.5	182.5		G3/4"
40300433003	43	280	290	300	2100	2600		135.5	188.5		
40300513003	51	230	260	280				135.5	193.5	G1"	
40300613003	61	225	240	260	2000	2100		142	201.5		
40300823003	82	200	210	220	1700	1900		146	212.5	G1 1/4"	G1" G3/4" (Alternative)
40301003003	100	190	200	220	1600			160	225.5		
40301253003	125	170	190	200				164	241.5		

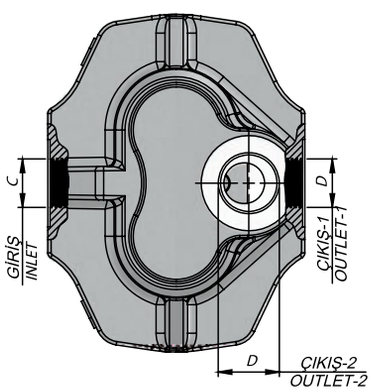
30 SERİSİ DİŞLİ POMPALAR
30 SERIES GEAR PUMPS

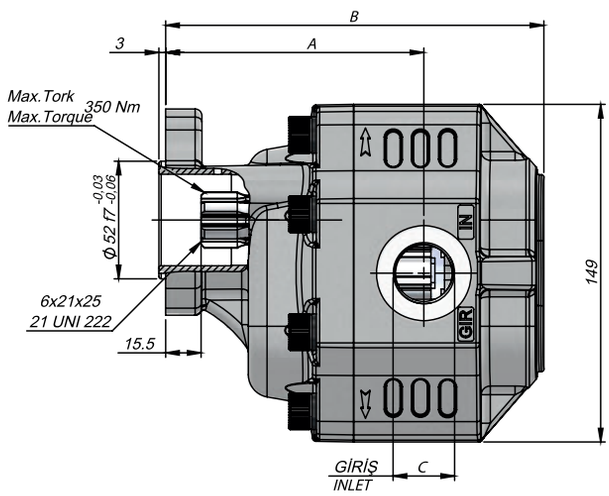
Giriş Basıncı | Inlet Pressure	0.7÷ 1.5 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

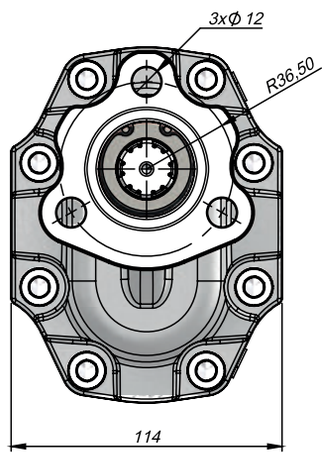
Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm



HİDROLİK SEMBOL
HYDRAULIC SYMBOL







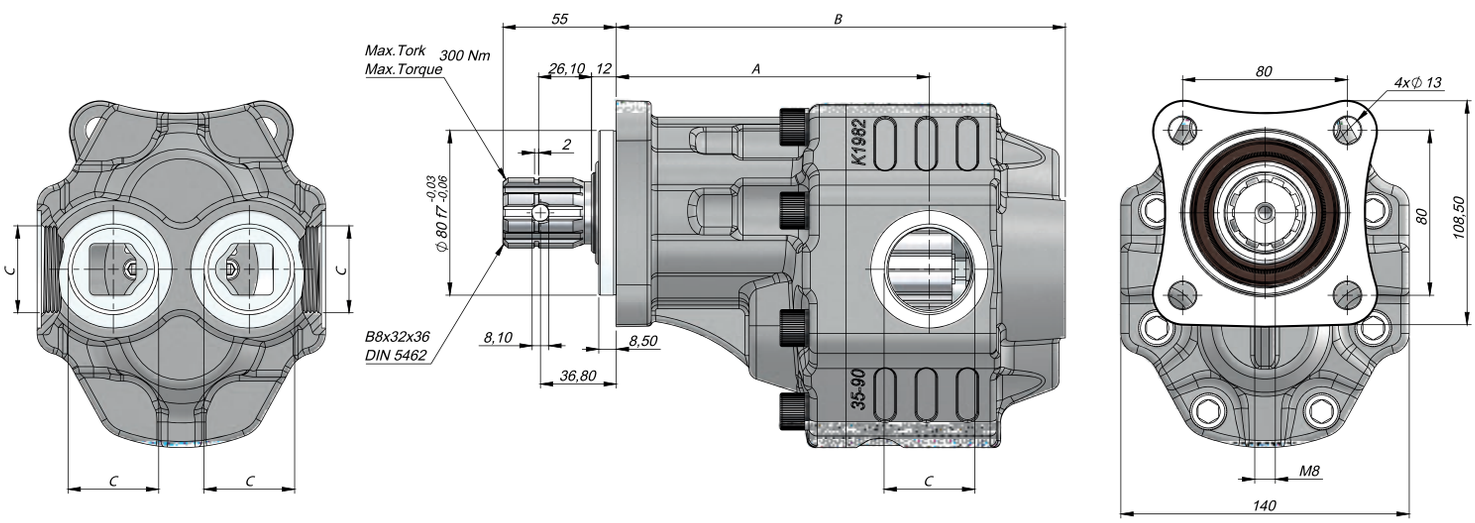
Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
30-UNI	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	D
40300173003	17	300	310	320	2600	3000	300	103	150	G1/2"	G1/2"
40300273003	27	290	300	310				108	156	G3/4"	
40300343003	34	285	295	305	2300	2900		109	161		G3/4"
40300433003	43	280	290	300	2100	2600		114	167		
40300513003	51	230	260	280				114	172	G1"	
40300613003	61	225	240	260	2000	2100		120.5	180		
40300823003	82	200	210	220	1700	1900		124.5	191	G1 1/4"	G1" G3/4 (Alternative)
40301003003	100	190	200	220	1600			138.5	204		
40301253003	125	170	190	200				142.5	220		



HİDROLİK SEMBOL
HYDRAULIC SYMBOL

Giriş Basıncı | Inlet Pressure	0.7÷ 3 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm



Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
35-ISO	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	C
40350603003	60	250	270	290	1800	2500	300	146	205	G1"	
40350823003	82	240	260	280				148	214	G11/4" (G1" Alternative)	
40350903003	90	230	250	270				152	218	G1 1/4"	
40351003003	100	220	240	260				153	236		
40351103003	110	205	220	250				154.5	230		
40351253003	125	195	215	230				158	240.5		

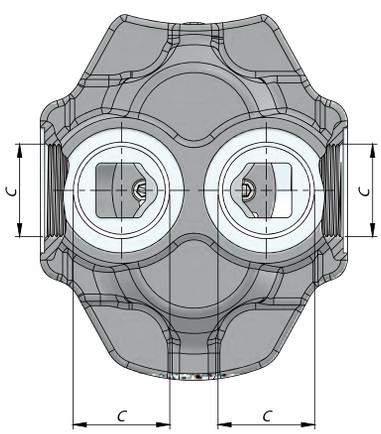
35 SERİSİ DİŞLİ POMPALAR
35 SERIES GEAR PUMPS

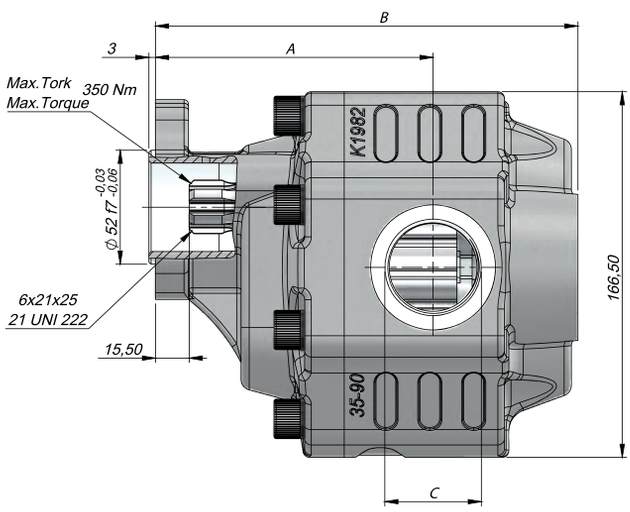
Giriş Basıncı | Inlet Pressure	0.7÷ 3 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

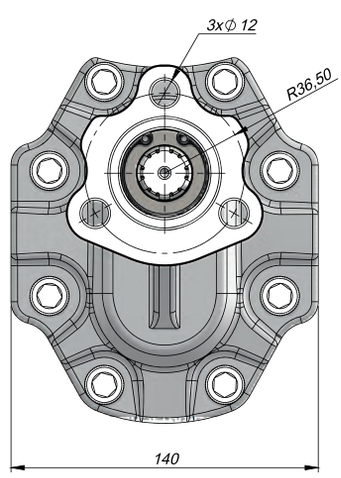
Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	ISO 4406	βx=75
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm



HİDROLİK SEMBOL
HYDRAULIC SYMBOL





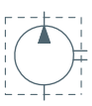


Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
35-UNI	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	C
40350603003	60	250	270	290	1800	2500	300	120.5	179.5	G1"	
40350823003	82	240	260	280				122.5	188.5	G11/4 (G1" Alternative)	
40350903003	90	230	250	270				126.5	192.5	G1 1/4"	
40351003003	100	220	240	260				127.5	202.5		
40351103003	110	205	220	250				129	204.5		
40351253003	125	195	215	230				132.5	215		

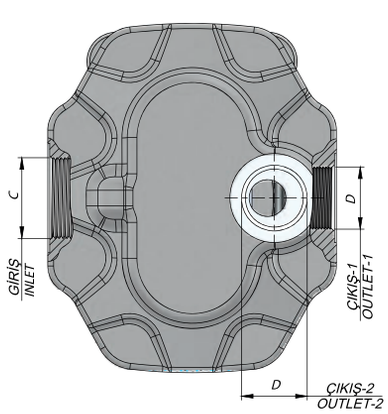
40 SERİSİ DİŞLİ POMPALAR
40 SERIES GEAR PUMPS

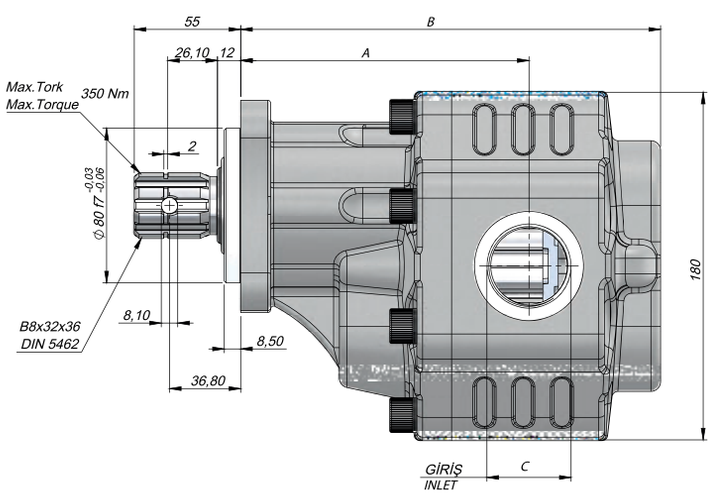
Giriş Basıncı | Inlet Pressure	0.7÷ 1.5 bar
Çalışma Viskozite Seviyesi | Operating Viscosity Range	-12:100 cSt
Sıvı Sıcaklığı | Fluid Temperature	-10 °C+80 °C

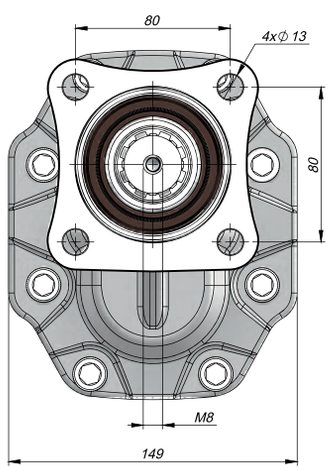
Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	ISO 4406	βx=75
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm



HİDROLİK SEMBOL
HYDRAULIC SYMBOL







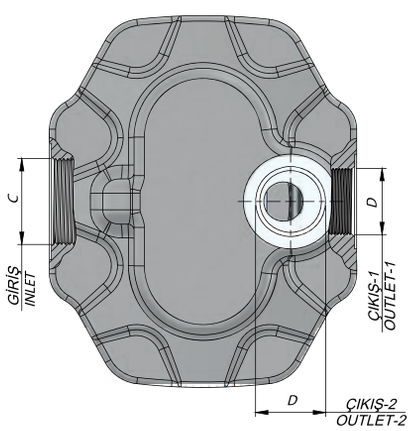
Kod Code		İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
Sol / Left	Sağ / Right	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	D
40400634002	40400634001	63	280	310	330	1800	2800	300	139	200	G1"	G3/4ğ
40400734002	40400734001	73	275	300	320				139	204	G1 1/4"	
40400874002	40400874001	87	265	285	300				143	209		G1ğ
40401094002	40401094001	109	240	260	285				149	217		
40401334002	40401334001	133	230	250	270	1500	2500	300	150	226	G1 1/2ğ	
40401514002	40401514001	151	180	200	230				152.5	232		

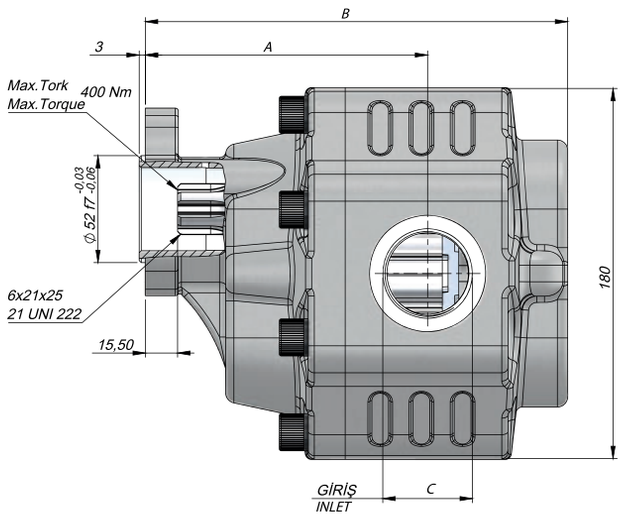
40 SERİSİ DİŞLİ POMPALAR
40 SERIES GEAR PUMPS

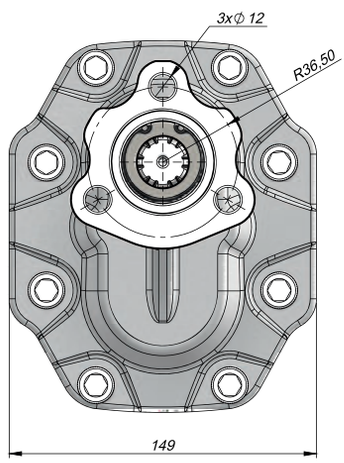


HİDROLİK SEMBOL
HYDRAULIC SYMBOL

Giriş Basıncı | Inlet Pressure		0.7÷ 3 bar	
Çalışma Viskozite Seviyesi | Operating Viscosity Range		-12:100 cSt	
Sıvı Sıcaklığı | Fluid Temperature		-10 °C+80 °C	
Çalışma Basıncı | Working Pressure	**Kirlilik** | Contamination		**Filtre** | Filter
	NAS 1638	**ISO 4406**	**βx=75**
≥200 bar	11	20/17	25 µm
≤200 bar	12	21/18	40 µm







Kod Code		İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Maks.Aralıklı Hız Max.Intermittent Speed	Min. Hız Min.Speed	A	B	Giriş Inlet	Çıkış Outlet
Sol / Left	Sağ / Right	(cm^3/rev)	(100%)(BAR)	(20 sec.max.)(BAR)	(6 sec.max.)(BAR)	(RPM)	(RPM)	(RPM)	(mm)	(mm)	C	D
40400633002	40400634001	63	280	310	330	1800	2800	300	127	188	G1"	G3/4ğ
40400733002	40400734001	73	275	300	320				127	192	G1 1/4"	
40400873002	40400873001	87	265	285	300				131	197		G1ğ
40401093002	40401093001	109	240	260	285				137	205		
40401333002	40401333001	133	230	250	270	1500	2500	300	138	214	G1 1/2ğ	
40401513002	40401513001	151	180	200	230				140.5	220		

PISTON PUMPS

PİSTONLU POMPALAR

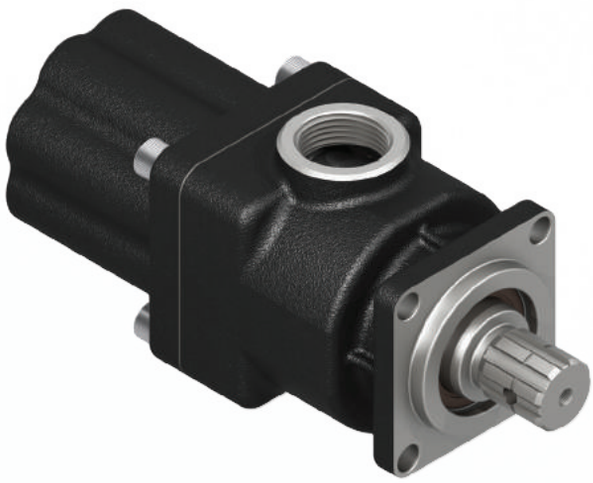


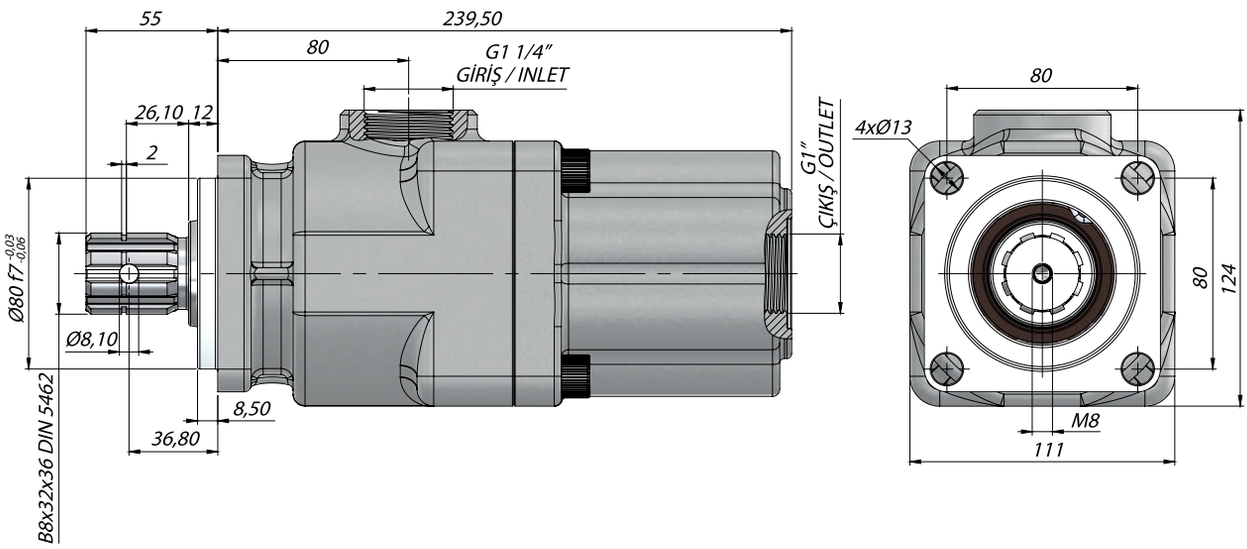
PİSTONLU POMPA KODLAMA TABLOSU / PISTON PUMP CODING TABLE				
42	**XX**	**XXX**	**XX**	**XX**
PİSTONLU POMPALAR / PISTON PUMPS	**Seri** / Serial	**İletim Hacmi** / Displamcement	**Bağlantı tipi** / Connection Type	**Dönüş Yönü** / Rotation Direction
	06=pistonlu / Piston Pump (6 piston)	**020 = 20 lt**	**40 = ISO Type (4 bolt)**	**01 = Sağ / Right**
	09=pistonlu / Piston Pump (9 piston)	**034 = 34 lt**	**30 = UNI Type (3 bolt)**	**02 = Sol / Left**
		046= 46 lt		**03 = Çift Dönüşlü / Bi directional**
		055 = 55 lt		
		060 = 60 lt		
		080 = 80 lt		

6 PİSTONLU POMPALAR
6 PISTON PUMPS



HİDROLİKİSEMBOL
HYDRAULIC SYMBOL





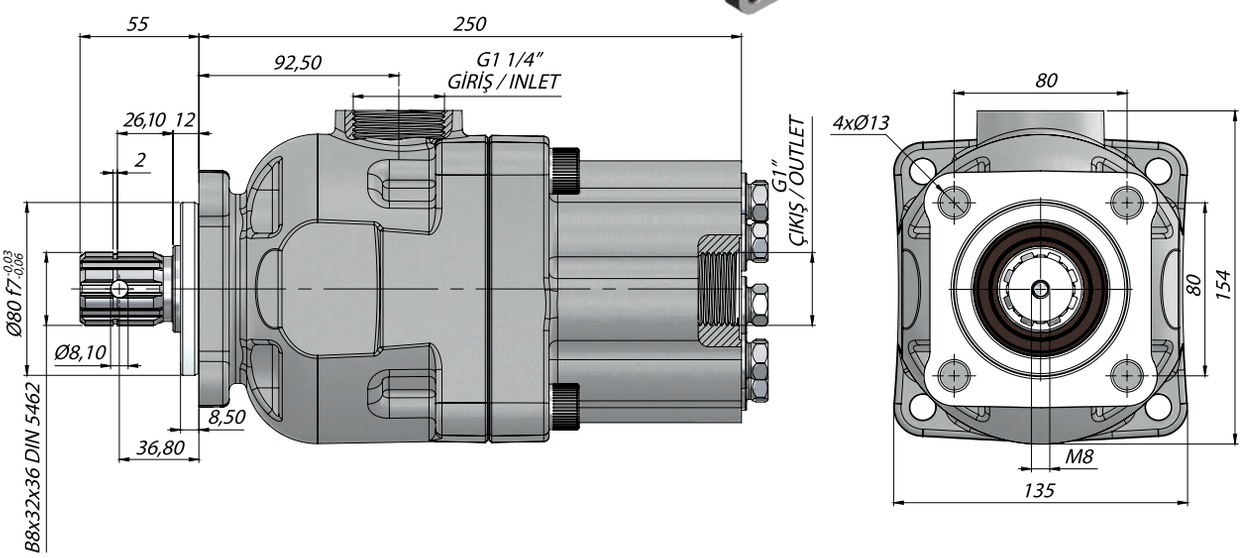
Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed
	(cm^3/rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)
42060204003	20	350	370	400	1800	300
42060264003	26					
42060344003	34					
42060424003	42					
42060464003	46					
42060524003	52					
42060554003	55	300	320	350	1500	
42060604003	60					

9 PİSTONLU POMPALAR
9 PISTON PUMPS





HİDROLİKSEMBOL
HYDRAULIC SYMBOL



A SERİSİ BURÇLU ÇELİK KRANK | A SERIES BUSH STEEL CRANK

Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed
	(cm³ /rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)
42090604003A	60	270	285	300	1500	300
42090804003A	80					

B SERİSİ RULMANLI DÖKÜM KRANK | B SERIES BEARING CASTING CRANK

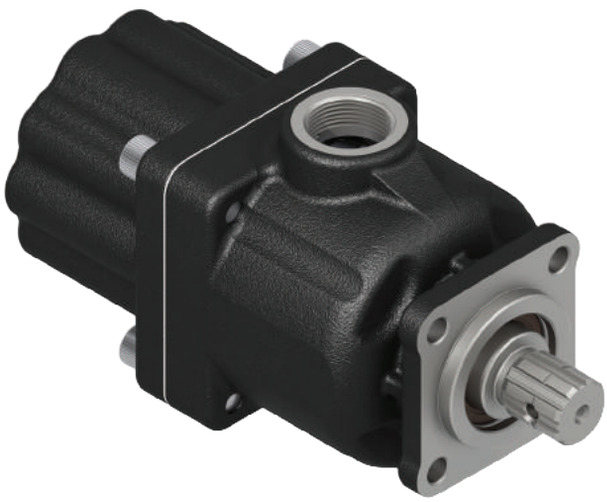
Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed
	(cm³ /rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)
42090604003B	60	270	285	300	1500	300
42090804003B	80					

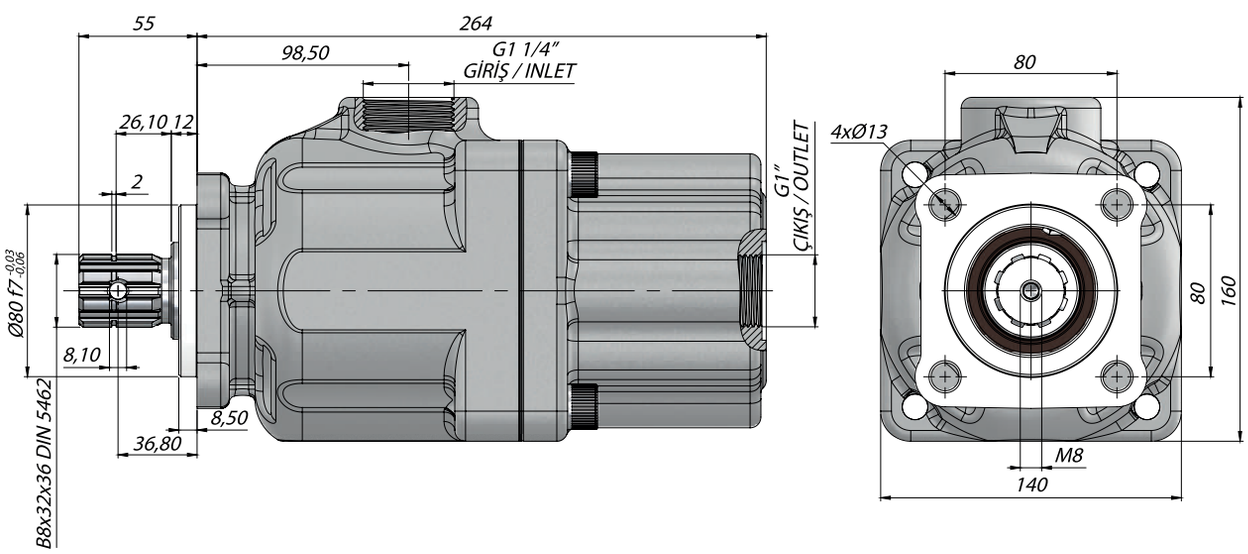
C SERİSİ RULMANLI ÇELİK KRANK | C SERIES BEARING STEEL CRANK

Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed
	(cm³ /rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)
42090604003C	60	270	285	300	1500	300
42090804003C	80					

9 PİSTONLU POMPALAR
9 PISTON PUMPS

HİDROLİKİSEMBOL
HYDRAULIC SYMBOL





Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed
	(cm³/rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)
42090604003A+	60	300	320	350	1500	300
42090704003A+	70					
42090804003A+	80					
42090904003A+	90					
42090904003A+	100					

BENT AXIS PUMPS

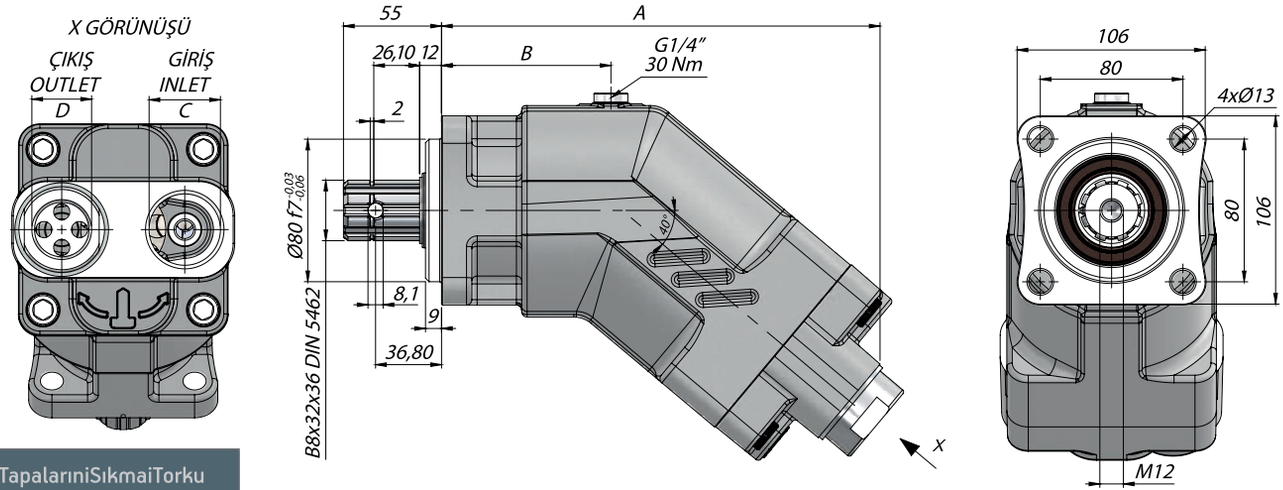
EKSENEL POMPALAR



EKSENEL POMPA KODLAMA TABLOSU / BENT AXIS PUMP CODING TABLE				
41	**XX**	**XXX**	**XX**	**XX**
EKSENEL POMPALAR / BENT AXIS PUMPS	**Seri** / Serial	**İletim hacmi** / Displacemet	**Bağlantı tipi** / Connection Type	**Dönüş Yönü** / Rotation Direction
	07=Eksenel (7 Pistonlu) / Bent Axis (7 Piston)	**022 = 22 lt**	**40 = ISO Type (4 bolt)**	**01 = Sağ / Right**
		033 = 33 lt	**30 = UNI Type (3 bolt)**	**02 = Sol / Left**
		045= 45 lt		**03 = Çift Dönüşlü / Bi directional**
		056 = 56 lt		
		065 = 65 lt		
		080 = 80 lt		
		107 = 107 lt		

EKSENEL POMPALAR
BENT AXIS PUMPS



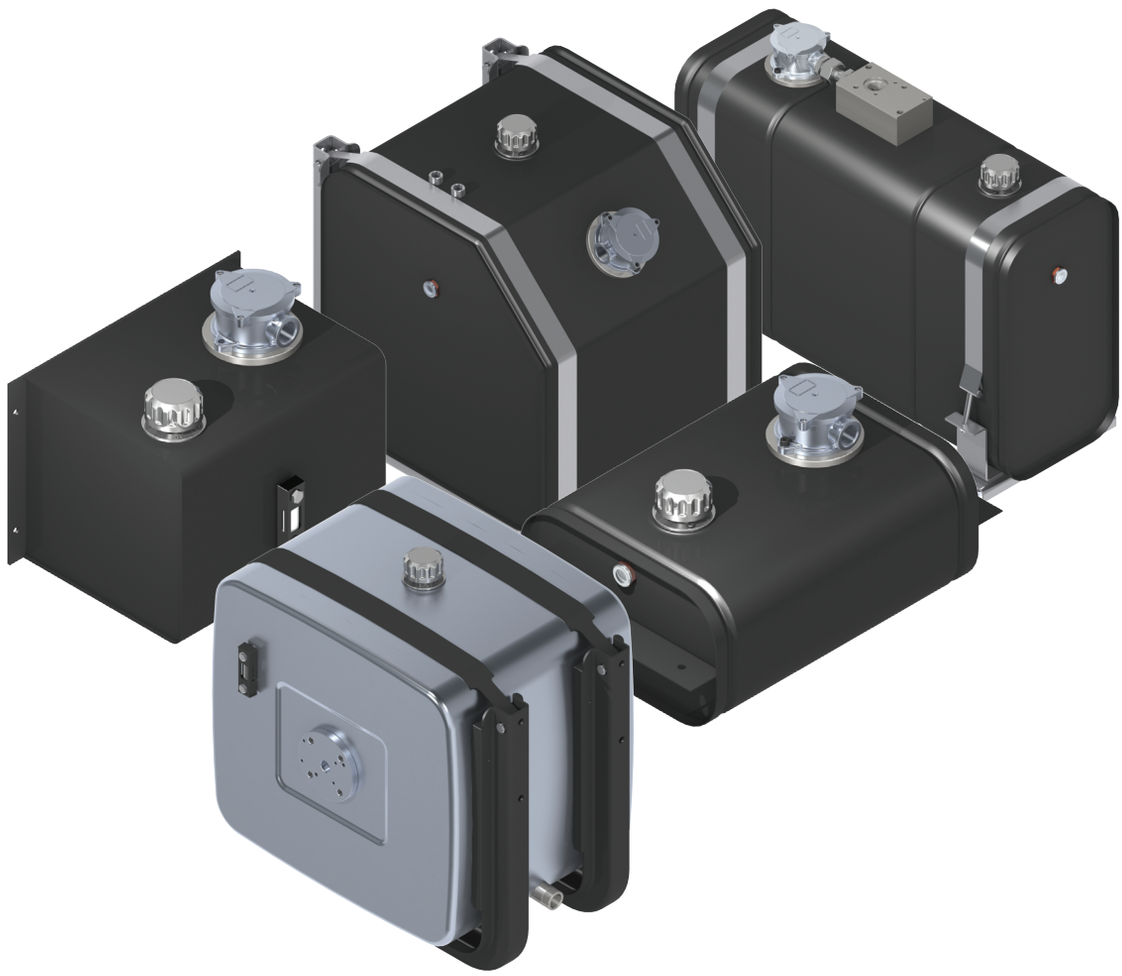


TapalarınıSıkmaiTorku Tightening Torque Of The Plugs	
G1/2h	200iNm
G3/4h	330iNm
G1h	480iNm
G1i1/4h	720iNm

Kod Code	İletim Hacmi Displacement	Maks.Sürekli Basınç Max.Continuous Pressure	Maks.Aralıklı Basınç Max.Intermittent Pressure	Maks.Anlık Basınç Max.Peak Pressure	Maks.Sürekli Hız Max.Continuous Speed	Min. Hız Min.Speed	A	B	C Giriş / Inlet	D Çıkış / Outlet
	(cm^3/rev)	(100o)(BAR)	(20isec.max.)(BAR)	(6isec.max.)(BAR)	(RPM)	(RPM)	(mm)	(mm)		
41070224001 41070224002	22	300	320	350	2920	300	172	60	G3/4"	G1/2"
41070334001 41070334002	33				2890					
41070454001 41070454002	45				2250		210	80	G1"	G3/4"
41070564001 41070564002	56				2300		218			
41070654001 41070654002	65				2300					
41070804001 41070804002	80				2135		245	95	G1 1/4"	G1"
41071074001 41071074002	107				1850		256			
41071254001 41071254002	125	250	270	300	1790					

OIL TANKS

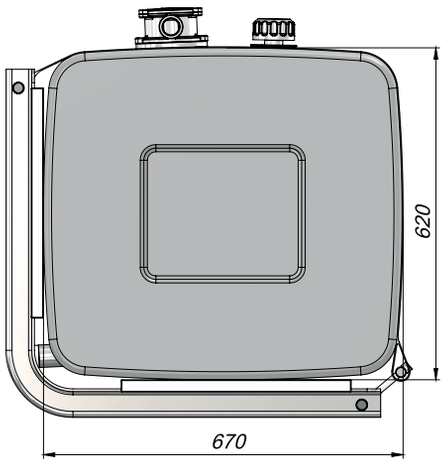
YAĞ TANKLARI

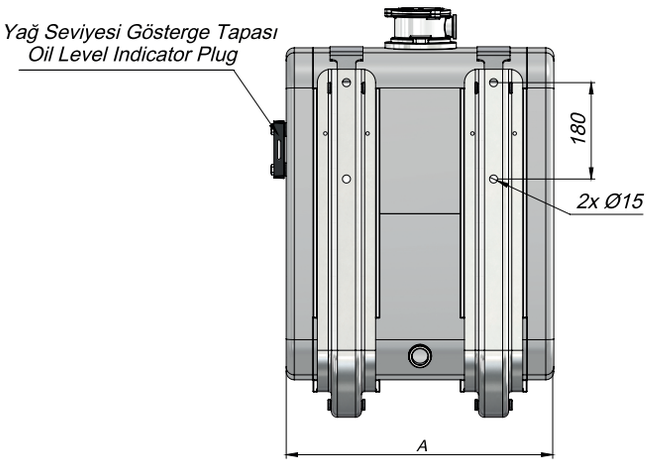


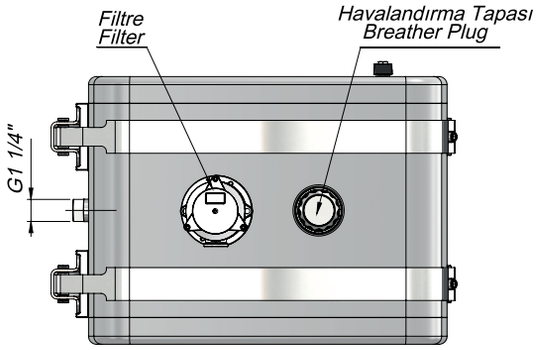
YAĞ TANKI KODLAMA TABLOSU / OIL TANK CODING TABLE							
81	X	XXX		X	X	X	Xx
YAĞ TANKI / OIL TANK	**Tank Tipi** / Tank Type	**Hacim** / Volume		**Filtre Tipi** / Filter Type	**Valf Montaj Tipi** / Valve Mounting Type	**Seviye Göstergesi** / Level Gauge	**Tank Opsiyon** / Option
	1=Şase Üstü / Chassis Top	**055 = 55 lt**	**120 = 120 lt**	**1=Gömülü** / Inside Tank	**1=Tank Üzeri** / Over Tank	**1=Çubuk Tip** / Vertical Gaug	**01**
	2=Şase Arası / Under Chassis	**065 = 65 lt**	**125 = 125 lt**	**2=Harici** / Over Tank	**2=Harici** / Over Tank	**2=Cam Göz Tip** / Eye Gauge	
	3=Oval / Round Tank	**070= 70 lt**	**150 = 150 lt**	**3=Yok** / Without Filter		**3=Yok** / No Guage	
	4=Çekici Yanı / Side Tank	**075 = 75 lt**	**170= 10 lt**				
		090 = 90 lt	**190 = 190 lt**				
		095 = 95 lt	**200 = 200 lt**				
		100 = 100 lt	**250 = 250 lt**				
		110 = 110 lt					

FİLTRELİ ŞASE YANI ÇELİK YAĞ TANKI | SIDE MOUNTED STEEL OIL TANK WITH FILTER



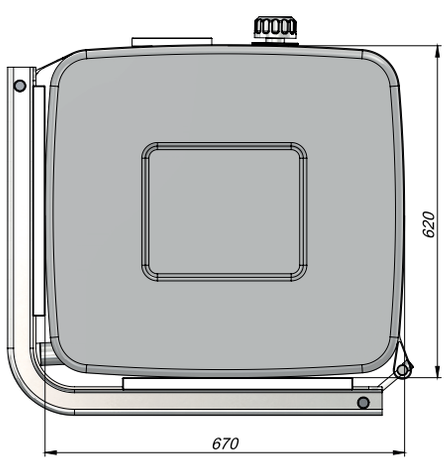


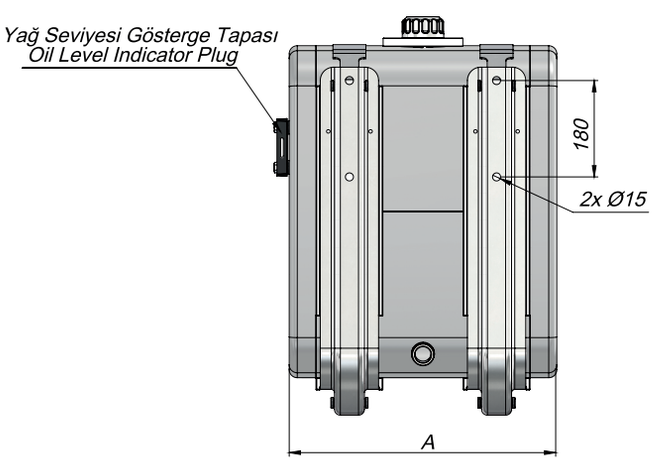


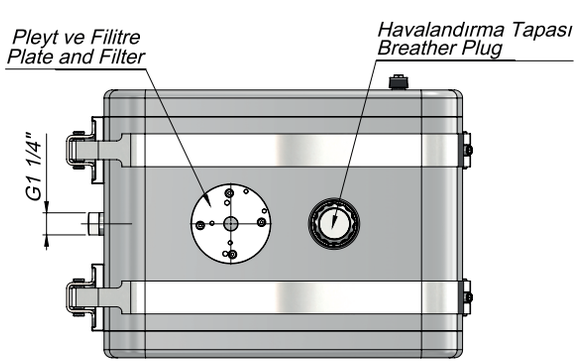


Kod Code	Hacim Volume (Lt)	A
81410022101	100	275
81412022101	120	330
81413522101	135	375
81415022101	150	425
81416522101	165	450
81417022101	170	475
81418022101	180	500
81419022101	190	525
81420022101	200	550
81425022101	250	700



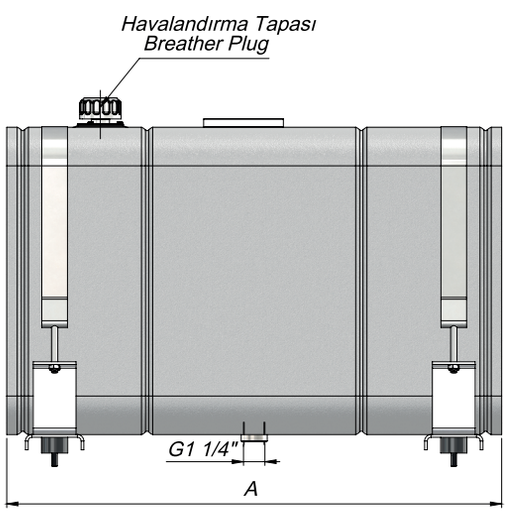


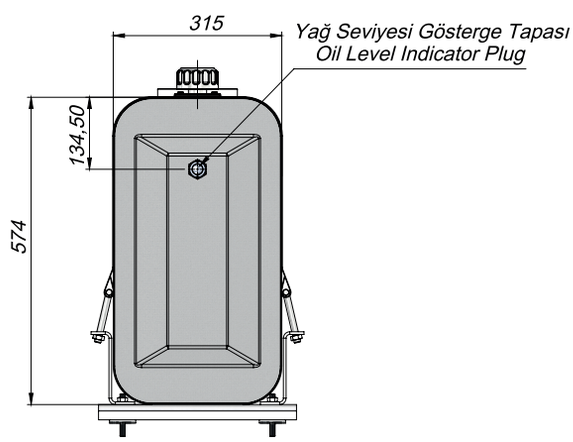


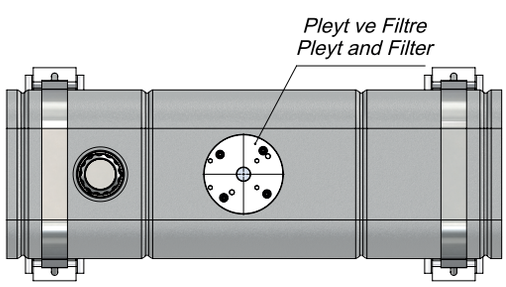


Kod Code	Hacim Volume (Lt)	A
81410011101	100	275
81412011101	120	330
81413511101	135	375
81415011101	150	425
81416511101	165	450
81417011101	170	475
81418011101	180	500
81419011101	190	525
81420011101	200	550
81425011101	250	700

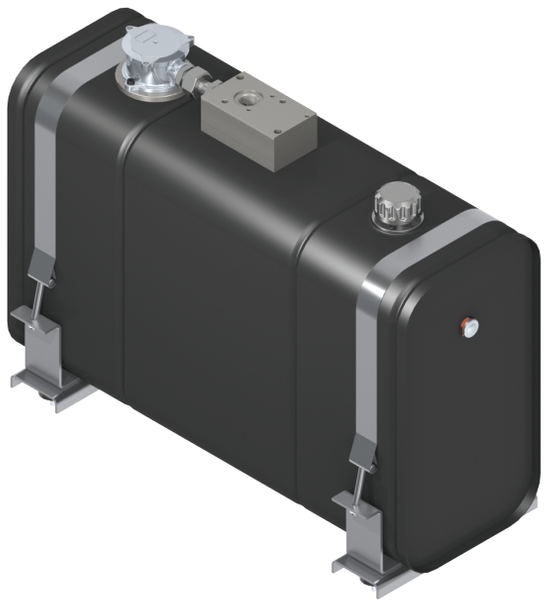


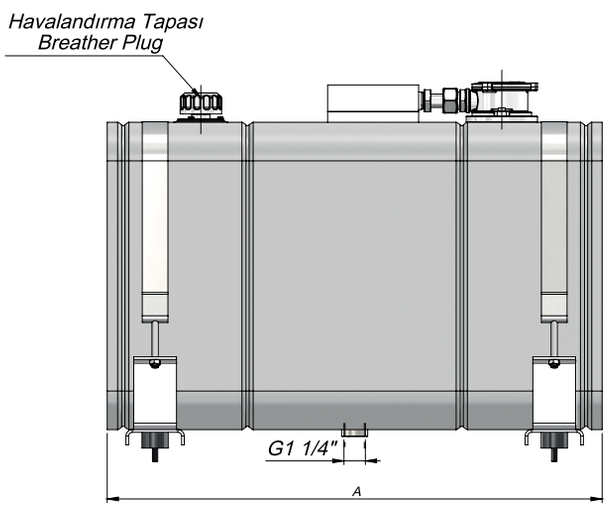


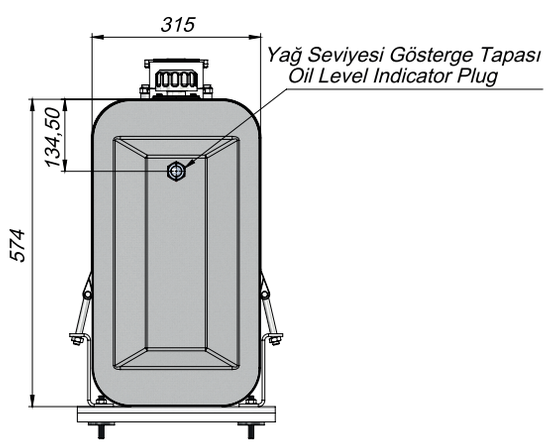


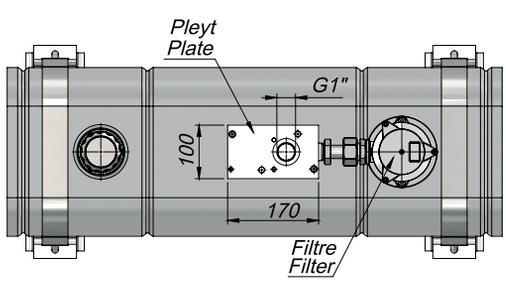


Kod Code	Hacim Volume (Lt)	A
81110011201	100	650
81112011201	120	745
81115011201	150	925
81118011201	180	1090
81120011201	200	1200







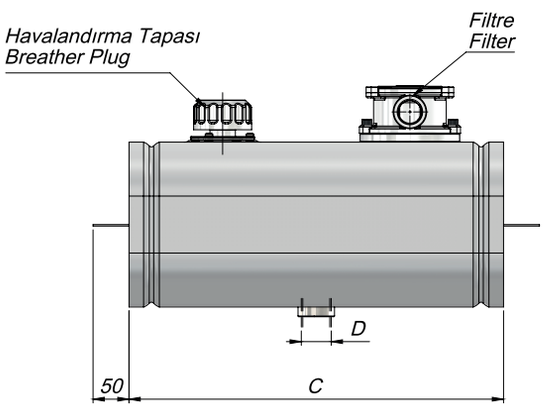


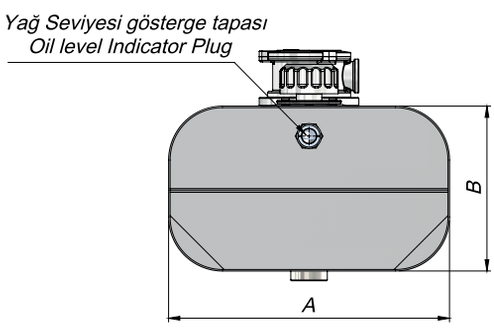
Kod Code	Hacim Volume (Lt)	A
81110021201	100	650
81112021201	120	745
81115021201	150	925
81118021201	180	1090
81120021201	200	1200

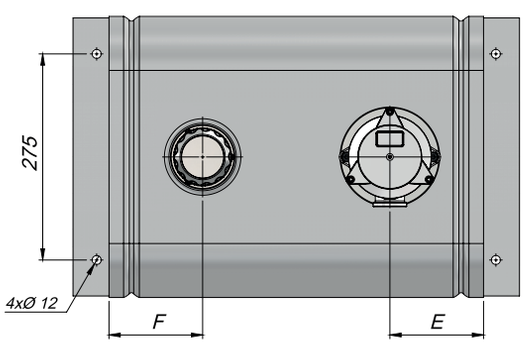
YAĞ TANKLARI
OIL TANKS

İÇTEN FİLTRELİ ŞASE ARASI ÇELİK YAĞ TANKI | BETWEEN CHASIS MOUNTED STEEL OIL TANK WITH INTERNAL FILTER

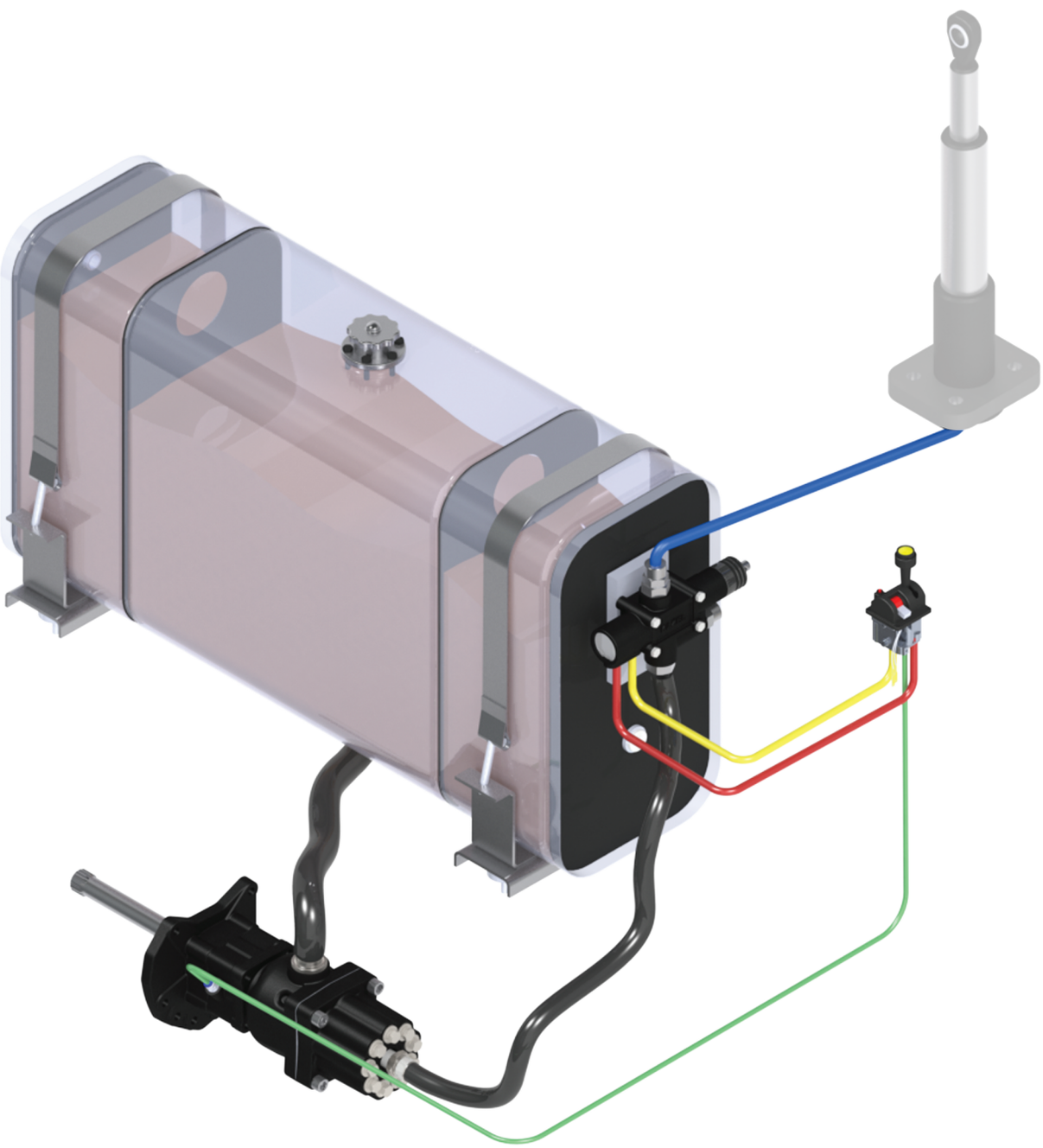








Kod Code	Hacim Volume (Lt)	A	B	C	D	E	F
81202022201	20	370	220	250	G1"	100	75
81202522201	25	370	270	300		100	75
81203522201	35	370	220	400		100	75
81205022201	50	360	320	500		150	100
81206022201	60	360	300	600	G1" 1/4"	150	100



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