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Технические характеристики на насосы для бытовых сточных вод и дренажа GDP-50, GDP-80, GDP-100 компании **SEP Pumps and Motors**

GDP

Serisi / Series

GDP Domestik Atık Su ve Drenaj Dalgıç Pompaları

GDP Domestic Waste Water & Drainage Sub. Pumps

Uygulama Alanları

Application Fields

- Kanalizasyon sistemleri
- Endüstriyel atık su drenajı
 - Evsel atık su drenajı
 - Kirli sular
 - Susuzlaştırma
 - Yağmur suyu drenajı
 - Arıtma tesisleri
 - Binalar
 - Hoteller
 - Hastaneler
 - Tatil köyleri
- Sewage Disposal
- Industrial Waste Water
- Domestic Waste Water
- Dirty Water
- Dewatering
- Rain Water
- Sewage Treatment Plants
- Apartments
- Hotels
- Hospitals
- Holiday Villages



Operating Limits

Capacity (Q)	: up to 200 m ³ /h
Manometric Height (Hm)	: up to 30 mWc
Operating Temperature (t)	: up to 40 °C
Operating Pressure (Pmax)	: 1 Bar (immersion depth)

Design

SEP GDP series domestic pumps are submersible type electric pumps used to transfer waste waters from pits, pools and such locations. Sub. type SPM motors can run at 1450 and 2950 rpm speeds according to pump which will be driven.

SEP GDP series sub.pumps are built by coupling of SPM submersible motor to a pump group by using a special adapter. The adapter is also an oil bath which ball bearings and mechanical seals placed in. Different Impeller types are alternatively used according to the application such as single-double-tree blade closed and non-clogging vortex type.

Besides that, there are also some types with grinder to pump dirty water which contain fibrous particles.

Motor protection is provided by leakage sensor and thermistor instruments and needs no additional relay. Different voltage and frequencies are also available on demand.

Kodlama / Designation

GDP 50 / 200 - X

V: Vorteks - DB: Çift Kanatlı - SB: Tek Kanatlı - G: Bıçaklı
V: Vortex - DB: Double Blade - SB: Single Blade - G: Grinder

Çark Anma Çapı (mm) / Impeller Nominal Dia. (mm)

Basma Çapı (mm) / Discharge Nominal Dia. (mm)

Seri Adı / Serie Name

Malzeme Özellikleri (GDP SERİSİ)

	Standart	Opsiyonel
1. Salyangoz	: Pik Döküm	: Bronz
2. Fan	: Pik Döküm	: Bronz
3. Motor Gövdesi	: Pik Döküm	: Bronz
4. Motor Mili	: Paslanmaz Çelik (AISI 420)	: Paslanmaz Çelik (AISI 316)
5. Klemens Kapağı	: Pik Döküm	: Bronz
6. Rulman	: 2Z Bilyalı	: -
7. Mekanik Salmastra	: SiC - SiC	: TuC - TuC
8. Cıva ve Somunlar	: Paslanmaz Çelik	: -

Material Description (GDP SERİSİ)

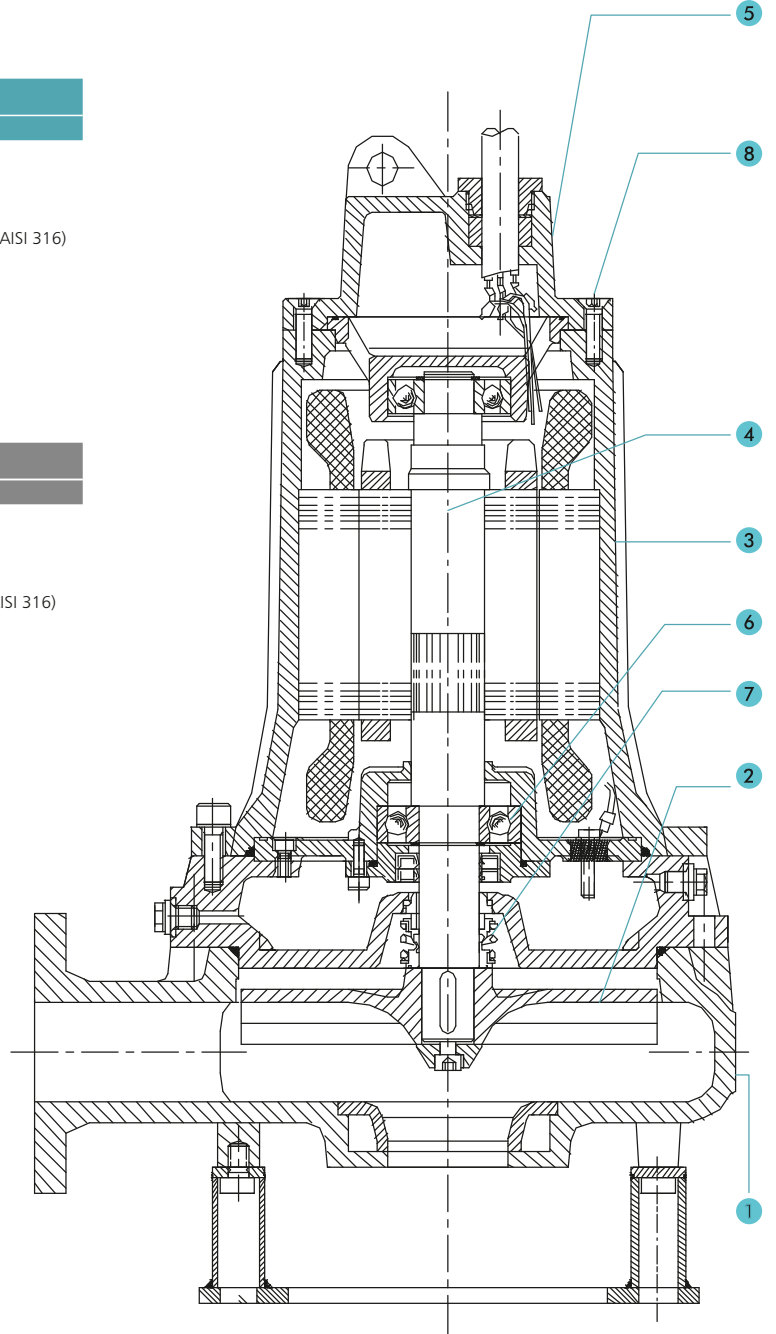
	Standard	Optional
1. Casing	: Cast Iron	: Bronze
2. Impeller	: Cast Iron	: Bronze
3. Motor Housing	: Cast Iron	: Bronze
4. Motor Shaft	: Stainless Steel (AISI 420)	: Stainless Steel (AISI 316)
5. Cable Cover	: Cast Iron	: Bronze
6. Bearing	: 2Z Ball Bearing	: -
7. Mechanical Seal	: SiC - SiC	: TuC - TuC
8. Bolt and Nuts	: Stainless Steel	: -

Teknik Özellikler (GDP 50-80-100)

Maksimum Parçacık Boyutu	: 35 mm - 85 mm
Maksimum Su Sıcaklığı	: 40 °C
Maksimum Özgül Ağırlık	: 1.2 g / cm ³
Maksimum Viskosite	: 1.5 x 10 ⁵
Motor İzolasyon Sınıfı	: F
Motor Koruma Sınıfı	: IP68

Technical Specifications (GDP 50-80-100)

Maximum Solid Diameter	: 35 mm - 85 mm
Maximum water Temp.	: 40 °C
Maximum Gravity	: 1.2 g / cm ³
Maximum Viscosity	: 1.5 x 10 ⁵
Motor Insulation Class	: F
Motor Protection	: IP68



GDP-50 Serisi • GDP-50 Series

Performans Tablosu • Performance Tables

Vortex Fanlı Vortex Impeller	Motor		d/dk rpm	Debi (m³/h) • Capacity (m³/ h)														Ambalaj Boyutu (mm) Packing Size (mm)	Ağırlık (kg) Weight (kg)			
	HP	Kw		0	5	10	15	20	25	30	35	40	45	50	55	60						
	50/200	5.5		4	2900	25	24	23	22	21	20	19	18	16	15						550 x 350 x 290	72
	50/160	4		3		21	20	20	19	18	16	15	14	13						550 x 310 x 290	70	
	50/160	3		2.2		18	17	16	14	13	12	11	9.2				57					
50/160	2	1.5		14	13	12	11	10	8.7	7.3							54					
	50/200	2	1.5	1450	11	11	10	938	9.2	8.5	7.8	6.8						550 x 350 x 290	63			
	50/200	1.5	1.1		9.4	9.0	8.5	8	7.3	6.4	5.5						61					
	50/200	1	0.75		7.8	7.3	6.7	6.0	5.3	4.3							60					
	50/160	0.75	0.55		6.7	5.9	5.2	4.2									550 x 310 x 290	60				
	Çift Kanatlı Double Blade	50/200	5.5	4	2900	30	27	26	21	23	22	21	21	19	18	16			550 x 350 x 290	72		
50/200		4	3	25		23	21	20	19	18	17	16	15	14			70					
50/160		3	2.2	19		18	17	16	15	14	12	11	9	8			550 x 310 x 290	57				
50/160		2	1.5	17		15	14	13	12	11	9	7.3	5.5					54				
		50/200	2	1.5	1450	13	11	10	9.6	9.1	8.6	7.9	6.9						550 x 350 x 290	63		
	50/200	1.5	1.1	10		9	8.4	7.8	7.3	6.6	5.7						61					
Parçalayıcı Grinder	50/200	5.5	4	2900	36	35	32	29	25	22								550 x 350 x 290	72			
	50/200	4	3		30	28	25	22	19	16							70					

GDP-80 Serisi • GDP-80 Series

Performans Tablosu • Performance Tables

Vortex Fanlı Vortex Impeller		Motor		d/dk rpm	Debi (m³/h) • Capacity (m³/ h)														Ambalaj Boyutu (mm) Packing Size (mm)	Ağırlık (kg) Weight (kg)
	HP	Kw	0		5	10	15	20	25	30	35	40	45	50	55	60				
	80/200	7.5	5.5	2900	21.5	21.0	20.5	19.9	19.2	18.5	17.7	16.8	15.9	14.8	13.7	12.6	11.4	650 x 370 x 310	87	
	80/200	5.5	4.0		19.2	18.4	17.7	16.8	16.0	15.0	14.0	13.0	11.9	10.8	9.6	8.4	84			
	80/200	3.0	2.2	1450	10.8	10.6	10.3	9.9	9.5	9.0	8.4	7.8	7.0	6.2	5.4	4.5	610 x 340 x 310	80		
80/200	2.0	1.5	8.5		8.3	8.0	7.7	7.3	6.8	6.2	5.5	4.8	4.0			78				
Çift Kanatlı Double Blade	80/200	7.5	5.5	2900	29.4	28.9	28.3	27.6	26.9	26.1	25.2	24.2	23.1	22.0	20.8	19.5	18.2	650 x 370 x 310	87	
	80/200	5.5	4.0		23.5	22.9	22.3	21.6	20.8	20.0	19.2	18.3	17.3	16.4	15.3	14.3	84			
	80/200	4.0	3.0		19	19	18	18	17	16	15	14	13	12	11		81			
	80/200	4.0	3.0	1450	14.6	14.1	13.5	12.9	12.3	11.7	11.0	10.4	9.7	8.9			650 x 370 x 310	81		
	80/200	3.0	2.2		12.2	11.7	11.1	10.5	9.9	9.3	8.7	8.0	7.3			610 x 340 x 310		80		
	80/200	2.0	1.5		9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.8			78					

GDP-100 Serisi • GDP-100 Series

Performans Tablosu • Performance Tables

Vortex Fanlı Vortex Impeller		Motor		Debi (m³/h) • Capacity (m³/ h)														Ambalaj Boyutu (mm) Packing Size (mm)	Ağırlık (kg) Weight (kg)
	HP	Kw	d/dk rpm	0	20	40	60	80	100	120	140	160	180	200					
	100/250	15	11	1450	18,0	17,3	16,8	15,9	14,7	13,6	12,3	10,8	9,1	7,2	-				
100/250	10	7,5	15,0		14,4	13,5	12,5	11,4	10,1	8,5	7,0	5,4	-	-	860 x 480 x 430	146			
Tek Kanatlı Single Blade	100/250	15	11	1450	21,0	19,2	18,0	16,9	16,1	15,2	14,3	13,3	12,0	10,9	9,0	860 x 480 x 430	155		
	100/250	10	7,5		17,0	16,2	15,0	14,1	13,2	12,4	11,3	10,1	8,8	7,1	-		146		
Çift Kanatlı Double Blade	100/250	15	11	2900	41,0	38,0	34,9	30,7	25,6	19,8	12,3	-	-	-	-	860 x 480 x 430	157		
	100/250	10	7,5		30,0	27,5	24,0	20,5	15,7	9,3	-	-	-	-	-		145		

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