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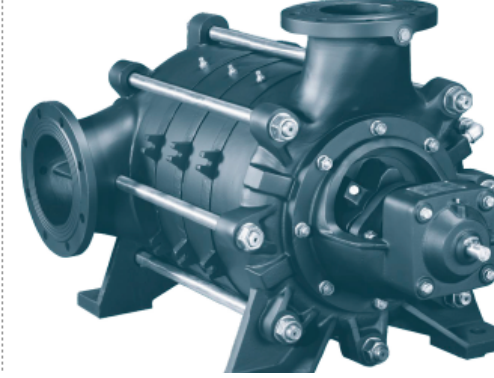
Технические характеристики на многоступенчатые центробежные насосы GMS компании **SEP Pumps and Motors**

GMS

Serisi / Series

GMS Serisi Çok Kademeli Pompalar

GMS Series Multistage Centrifugal Pumps



Application Fields

- Clean water or liquids similar to water in physical & chemical properties
- Corrosive liquids
- Abrasive liquids
- High temperature and chemical liquids/petroleum

Operating Limits

Capacity (Q)	: up to 650 m ³ /h
Head (Hm)	: up to 500 mWc
Operating Pressure (P)	: Max. 60 Bar
Operating Temperature (T)	: -15 °C + 110 °C

* For higher pressure and temperature options contact with SEP Pump

Yapısal Tasarım

SEP GMS serisi pompalar yatay/dikey milli, çok kademeli, radyal akışlı kapalı çarklı difüzörlü pompalardır. DN 32'den DN 250'ye kadar 10(on) tip pompayı kapsar. Emme ve basma flanşları standart olarak 40 bara dayanıklı yapılmakla birlikte özel haller için 60 bara kadar çıkabilmektedir. SEP GMS kademeli pompalar standart olarak R 3-0 dizaynında imal edilmektedir. Bu uygulamada; motor tarafından bakıldığında pompa mili sağa (R) dönüşlü, emme flanşı sağ yanda (3) ve basma flanşı uzak tarafta ve üsttedir (0). Sayılar saat kadranına göre tanımlanmış olup saat 12 (0) olarak alınmıştır. İşletme şartları ve tesisin özelliklerine göre farklı uygulamalar da mevcut olup sipariş sırasında mutlaka belirtilmelidir. SEP GMS kademeli pompalarda mil sızdırmazlığı burçlar üzerinde çalışan yumuşak örgülü salmastralarla sağlanmaktadır. Özel haller için soğutma donanımlı yumuşak ve mekanik salmastra uygulamaları da yapılmaktadır. Pompalarda kademeler arası geçişlerde kaçak debinin kontrolü amacıyla yıpranma halkaları kullanılmaktadır. Eksenel kuvvetleri dengelemek için pompa model ve tipine göre dengeleme deliği, dengeleme diski veya tambur kullanılmaktadır.

Design

SEP GMS series pumps are horizontal/vertical shaft, multistage pumps with radial flow closed impellers and diffusers. They cover a large range from DN32 to DN250 'ye with 10(ten) types of pumps. Suction and Discharge flanges are manufactured to handle 40 bar pressure in standard production. Beside that they can reach up to 60 bar pressure for special applications. During the manufacture of the SEP GMS multistage pumps R 3-0 is applied. With this construction type, the pump is rotating clockwise (R) when viewed from the motor side, suction flange is on the right side (3) and discharge flange is on the top (12) and far position when viewed from the motor side. According to the application limitations, these orientations should be indicated in detail when placing the order. SEP GMS multistage pumps are sealed by means of gland packing working on the shaft bushing. For special applications, water cooled packings and mechanical seals can be used. Wear rings are used in between the stages to control the increasing leakage due to wear. SEP GMS multistage pumps are designed with balancing holes/disc/drum alternatives to balance axial forces according to the pump type.

Kodlama / Designation

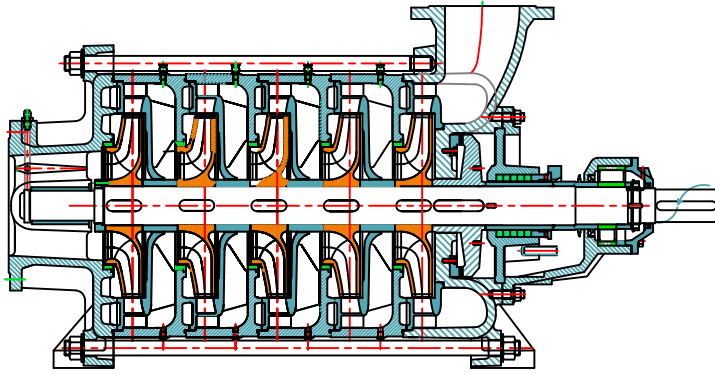
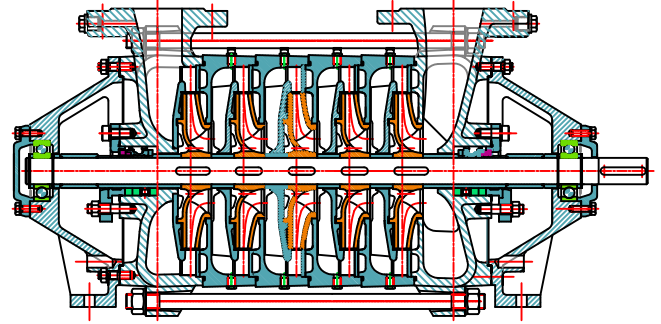
GMS-X / X / X 200 x 4 / R 3-0



GMS Series Pumps Sectional Views

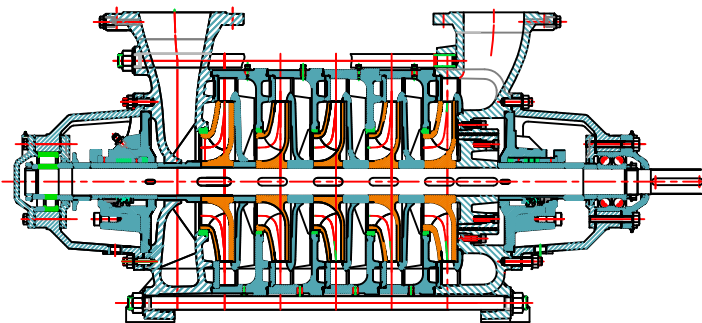
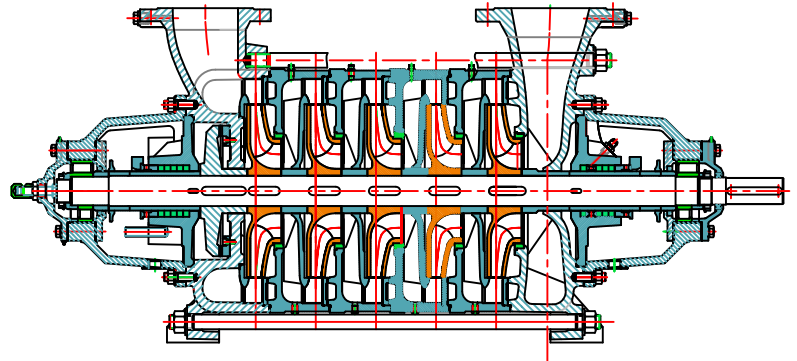
GMS Serisi Pompalar Kesit Görünümler

- Kesit Görünüm / GMS-H
(dengeleme delikli)
- Sectional View / GMS-H
(horizontal, balancing with holes)



- Kesit Görünüm / GMS-H/E
(uçtan emişli, dengeleme diskli)
- Sectional View / GMS-H/E
(horizontal, end suction,
balancing with disc)

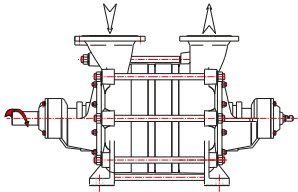
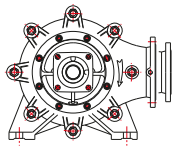
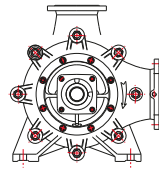
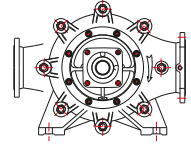
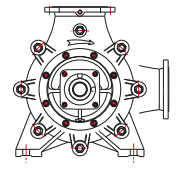
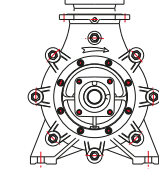
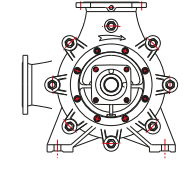
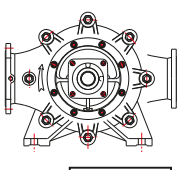
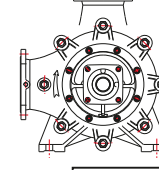
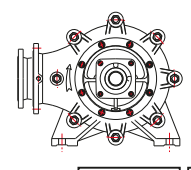
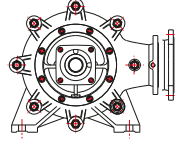
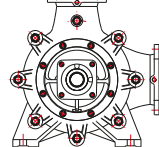
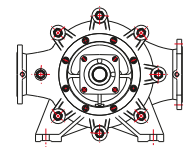
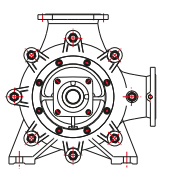
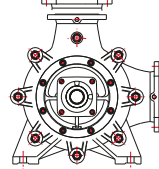
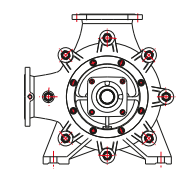
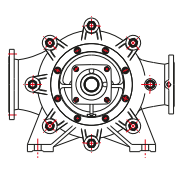
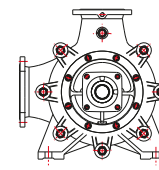
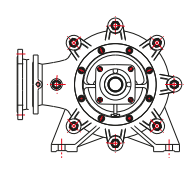
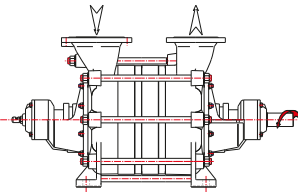
- Kesit Görünüm / GMS-H/D
(dengeleme diskli)
- Sectional Views / GMS-H/D
(horizontal, balancing
with disc)



- Kesit Görünüm / GMS-H/T
(tamburlu)
- Sectional View / GMS-H/T
(horizontal, balancing
with drum)

Dönüş Yönü Ve Emme/Basma Flanş Kombinasyonları

Orientation Combinations of Suction&Discharge Flanges

MİL UCU (MOTOR) TARAFINDAN BAKILDIĞINDA VIEWED FROM DRIVING END (MOTOR)		BASMA FLANŞI / DISCHARGE FLANGE			
		SAĞDA / ON RIGHT [3]	ÜSTTE / ON TOP [0]	SOLDA / ON LEFT [9]	
 SAĞ DÖNÜŞLÜ Saat Yönü CLOCKWISE ROTATION R	EMME FLANŞI / SUCTION FLANGE	SAĞDA / ON RIGHT [3]	 R 3-3	 R 3-0	 R 3-9
		ÜSTTE / ON TOP [0]	 R 0-3	 R 0-0	 R 0-9
		SOLDA / ON LEFT [9]	 R 9-3	 R 9-0	 R 9-9
SAĞDA / ON RIGHT [3]		 L 3-3	 L 3-0	 L 3-9	
ÜSTTE / ON TOP [0]		 L 0-3	 L 0-0	 L 0-9	
SOLDA / ON LEFT [9]		 L 9-3	 L 9-0	 L 9-9	
 SOL DÖNÜŞLÜ Saatin Tersi Yönünde COUNTERCLOCKWISE ROTATION L					

İmalat programında standart uygulama R 3-0 'dir.

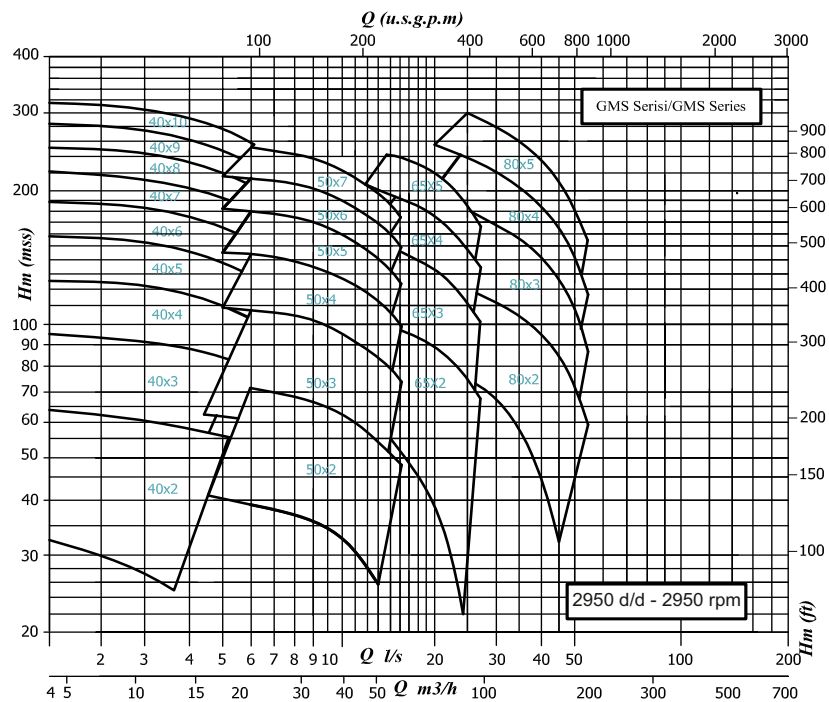
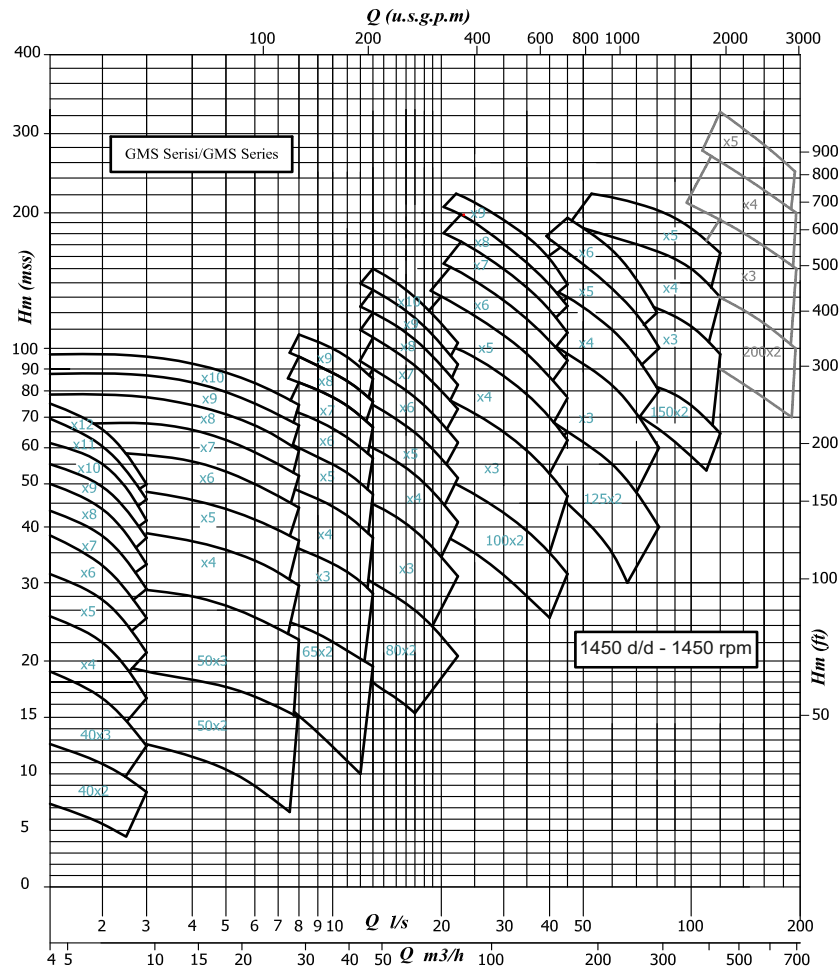
Emme/Basma flanşlarının pozisyonu sipariş sırasında firmamıza bildirilmelidir.

Standard orientation is R 3-0

Position of suction & discharge flanges must be given to the SEP during order by the user.

GMS Performans Tabloları

GMS Performance Charts



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