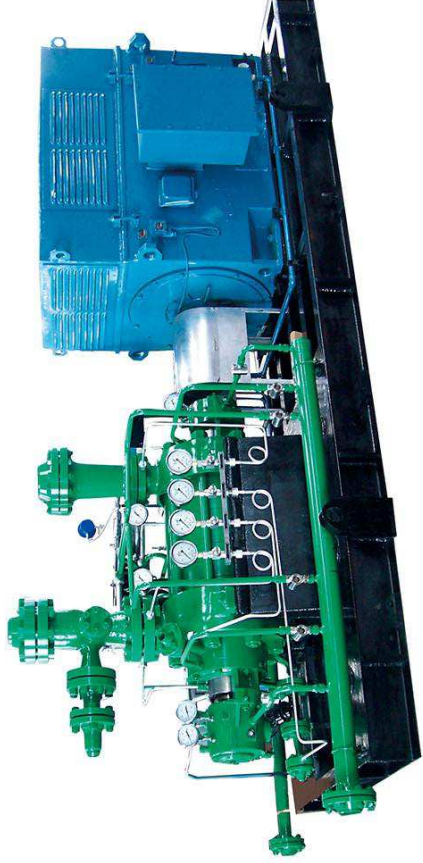


## DG SERIES MEDIUM AND HIGH PRESSURE MULTI-STAGE CENTRIFUGAL PUMP DG系列中高压多级离心泵

DG系列中、高压多级离心泵采用国内外先进的水力模型并与沈阳水泵研究所联合经过大量的试验和生产实践开发出来的系列产品，同时该系列产品消化吸收了大量的国内外同类泵的先进结构和技术。

DG series medium and high pressure multi-stage centrifugal pump is designed by adopting advanced hydraulic model combined with Shenyang Water Pump Research Institute through lots of test and production practice and introducing advanced structure and technology of similar products at home and abroad.



Medium and High Pressure  
Multi-stage Centrifugal Pump

DG系列中高压多级离心泵

## PRODUCT FEATURES 产品特点

### 产品适用范围 | THE SCOPE OF PRODUCTS



DG series medium and high pressure multi-stage centrifugal pump is mainly used for boiler water feed, oilfield water injection and sewage rejection, offshore platform water injection, coke, phosphorus or oxide removal of refining and steel industries, etc. The pump is also used for pumping chemicals at high pressure, clean, cold or hot, chemically neutral or corrosive liquids and increasing pipe pressure.

DG系列中、高压多级离心泵主要应用于锅炉给水、油田注水和污水回注、海上平台注水、炼化、钢铁厂的除磷、除锈或除氧化皮，化工物料高压输送及管道增压等领域，输送高低温，中性或有腐蚀性，清洁的液体。

- 核电站、电站、热电厂用锅炉给水
- 钢铁冶金
- 工艺流程
- 造纸业
- 油田碱矿注水及污水回注
- 海上平台

- Boiler feed water in nuclear power station, power plant and thermal power plant
- Steel and metallurgy
- Technological processes
- Paper industry
- Oilfield alkali water injection and sewage reinjection
- offshore platform water injection

## 中压性能参数 | MEDIUM PRESSURE PERFORMANCE PARAMETERS

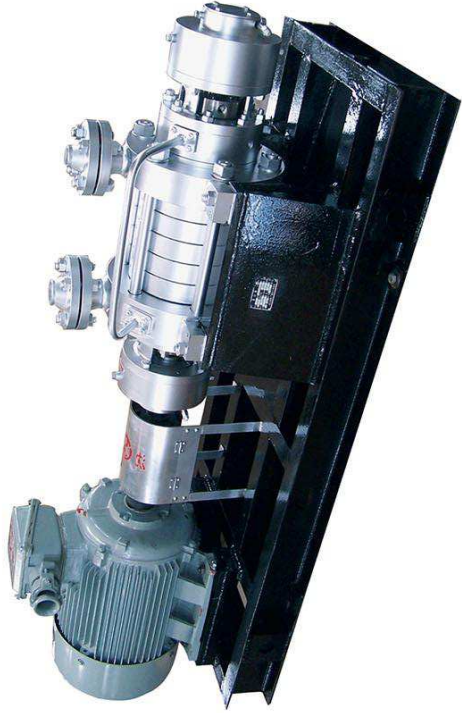
型号	Type	DG45-80x10
流量	Flow Rate	10~650m <sup>3</sup> /h
扬程	Head	350~1100m
工作温度	Operating Temperature	≤160°C
压力等级	Pressure	16MPa
转数	Speed	2950r/min
型号意义	Designation of Pump Sizes	DG45-80x10

Multistage Centrifugal Pump 多级离心泵

45- Pump Flow Rate 45-泵的流量为45m<sup>3</sup>/h

10- Pump Stage 10-泵的级数

80- Single-stage Head 80-泵的单级扬程为80m



## 高压性能参数 | HIGH PRESSURE PERFORMANCE PARAMETERS

型号	Type	DG65-145x10
流量	Flow Rate	50~650m <sup>3</sup> /h
扬程	Head	700~2500m
工作温度	Operating Temperature	≤210°C
压力等级	Pressure	40MPa
转数	Speed	2985r/min
型号意义	Designation of Pump Sizes	DG65-145x10

Multistage Centrifugal Pump 多级离心泵

65- Pump Flow Rate 65-泵的流量为65m<sup>3</sup>/h

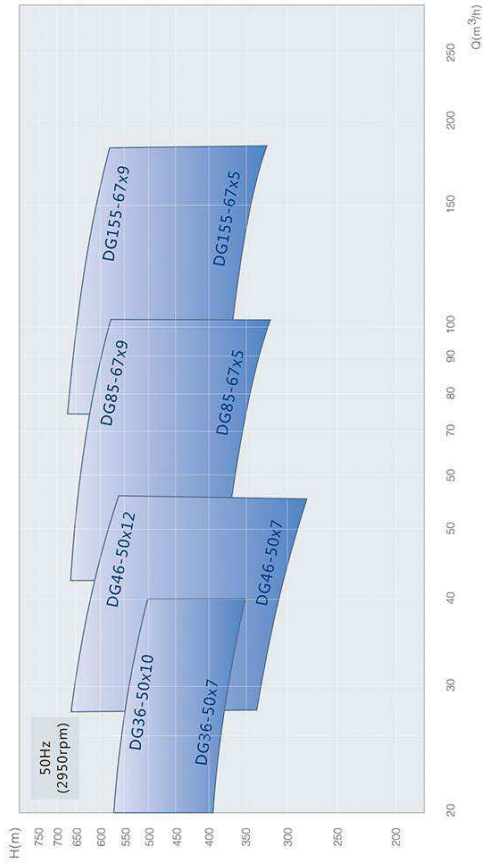
10- Pump Stage 10-泵的级数

145- Single-stage Head 145-泵的单级扬程为145m



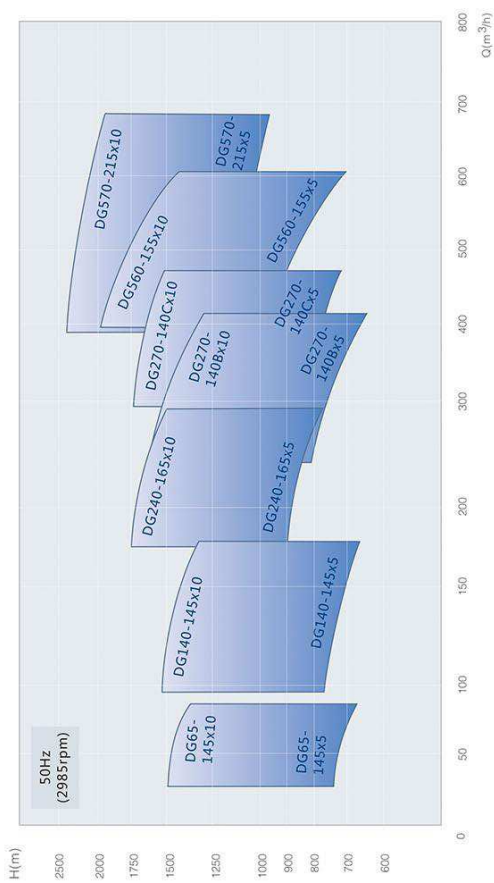
### DG中压泵性能型谱

### PERFORMANCE SPECTRUM OF DG MEDIUM PRESSURE PUMP



### DG高压泵性能型谱

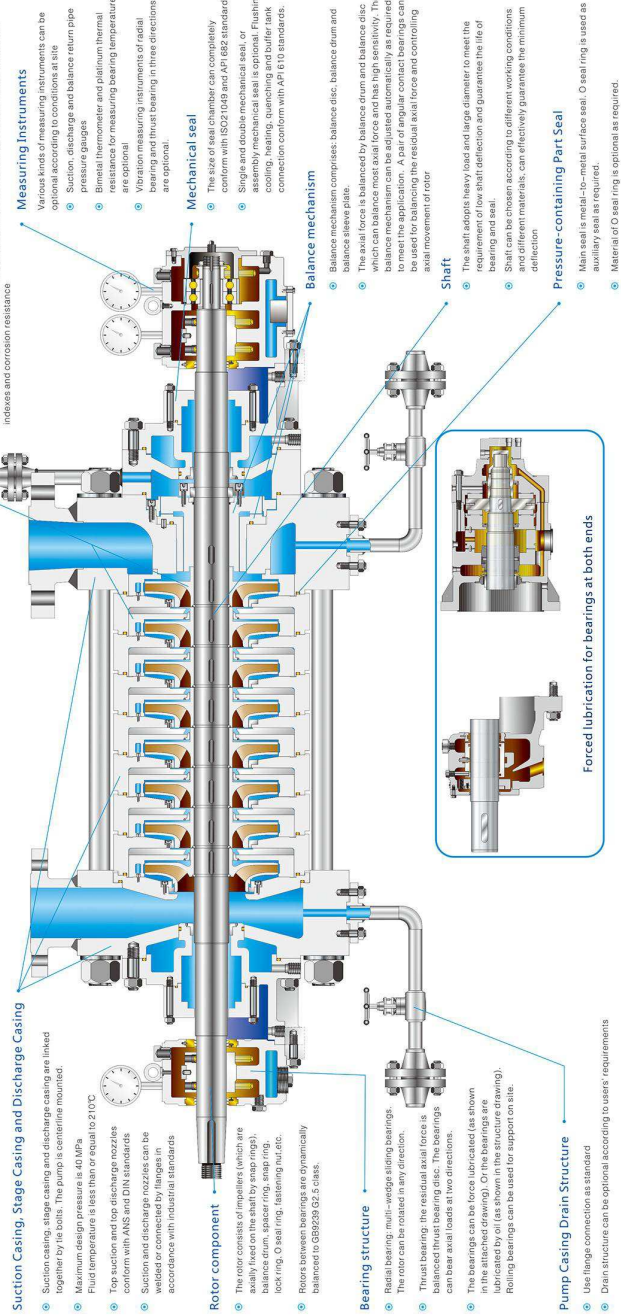
### PERFORMANCE SPECTRUM OF DG HIGH PRESSURE PUMP



### 主要零件材质 | MATERIALS OF MAIN PARTS

零件名称	Part Name	材 料	Material	零件名称	Part Name	材 料	Material
吸入段	Suction Casing	ZG270-500 / ZG1Cr13Ni	ZG270-500 / ZG1Cr13Ni	平衡套	Balance Sleeve	RWA350	RWA350
吐出段	Discharge Casing	ZG270-500 / ZG1Cr13Ni	ZG270-500 / ZG1Cr13Ni	平衡套压板	Balance Sleeve Plate	RWA350	RWA350
尾 盖	Back Cover	ZG270-500 / ZG1Cr13Ni	ZG270-500 / ZG1Cr13Ni	叶轮密封环	Impeller Seal Ring	S203	S203
中 段	Stage Casing	ZG270-500 / ZG1Cr13Ni	ZG270-500 / ZG1Cr13Ni	轴	Shaft	40CrVA / 4Cr14Mo	40CrVA / 4Cr14Mo
导 叶	Guide Vane	ZG1Cr13Ni	ZG1Cr13Ni	叶 轮	Impeller	ZG1Cr13NiMo	ZG1Cr13NiMo
密封函体	Seal Box	ZG270-500	ZG270-500	平衡鼓	Balance Drum	S203	S203
中段密封环	Stage Casing Seal Ring	RWA350	RWA350	抽 套	Shaft Sleeve	3Cr13	3Cr13

## THE CROSS SECTION DRAWING OF MEDIUM AND HIGH PRESSURE MULTI-STAGE CENTRIFUGAL PUMP



**Wide Range of Hydraulic Spectrum**

DC series pump has the advantages of wide high-efficiency and flow rate ranges, high head and reliability, stable operation, convenient maintenance, etc.

**Single Casing Segmental Multi-stage Centrifugal Pump**

DS series pump is a single casing segmental, radially split, horizontally concrete mounted (feet supported at low temperature) multi-stage centrifugal pump. There are vertical or horizontal suction and vertical discharge on site. Pressure-casing parts can be forged in accordance with requirements.

**Balance Device (drum-disc-drum structure)**

The axial force is balanced by balance device (drum-disc-drum structure). The residual axial force and additional axial force (generated in special condition) are balanced by thrust bearing.

**Four-oil Wedge Radial Bearing**

Forced lubrication must be done for radial bearing and thrust bearing. Bearings are lubricated by oil when power is less than 750KW. Radial and thrust bearings are respectively provided with temperature protecting and monitoring instrument.