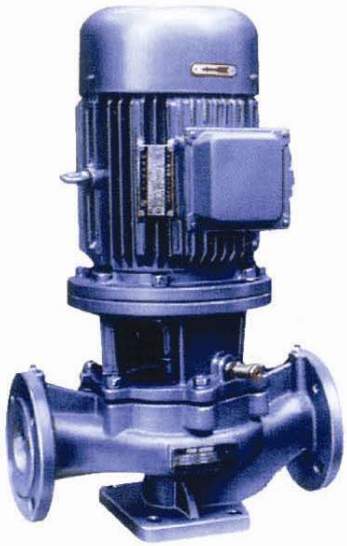
VERTICAL CENTRIFUGAL SINGLE STAGE

ISG

IRG GRG
IHG YG

IN-LINE PUMP



ISG Series In-line pumps，designed in accordance with ISO2858 standard，are single-stage single-suction vertical centrifugal pumps featured by integrated simple construction for less space, easy installation, smooth operation with less noise and free of daily maintenance due to the introduction of high quality mechanical seals.

MAXIFLO

MAXIFLO
ISG-IRG-IHG-YG

4 series In-line pumps are available for different applications, namely:

- **ISG**: for application of clean water or similar liquids within the temperature range of 0 ~ 80℃, for instance cold/hot water circulation for air conditioning systems, water supply for high buildings, water boosting for fire fighting systems, long distance water delivery, process circulation boost for industrial production, sprinkling irrigation for gardens etc..
- **IRG**: for pumping of hot water up 120℃ circulating in greenhouse, boiler, bathroom and other HVAC systems. Also applicable to circulation boost of non-corrosive hot water in various industries.
- **GRG**: for pumping of high temperature (up to 240℃) and non-corrosive water, e.g. water circulation in boilers and heating systems.
- **IHG**: for pumping and boosting of various kinds of corrosive liquids (≤100℃) in industries like chemical, environment protection, foodstuff and brewery, pharmacy, papermaking and textiles etc..
- **YG**: for pumping of non-corrosive oil and petrochemicals (viscosity<120mm^2/s) within the temperature range of -20 ~ 120℃.

ISG
for Clean Water

IHG
for Chemicals

YG
for Oils

IRG
for Hot Water

PERFOMANCE QUALITY ASSURANCE

MAXIFLO
ISG-IRG-IHG-YG

Features

- **I**ntegrated vertical construction for space and cost saving, suitable for outdoor application when added with a motor protection cover.
- **S**elf-balancing hydraulic model for impeller design plus the coned suction casing perfected the pump operation with additionally prolonged working hours of bearings and mechanical seals.
- **U**nique bearing housing design facilitated easy oiling and ensuring the pump shaft permanently immersed in the oil.
- **I**nstallation and mounting as easy as a valve.
- **V**ent valve designed on pump cover and water release at pump bottom, pressure detecting holes at flange inlet and outlet for on-line operation monitor.
- **A**pplication in series or parallel operation allowable.
- **W**orking pressure up to 1.6Mpa.
- **D**irect coupling for horsepower less than 7.5kw and flexible coupling for horsepower larger than 7.5kw with separate bearings for pump shaft. Easy and convenient dismantling for service and repairing..

Performance Data	
Capacity Range:	1.5 ~ 1080m^3/hr
Head Range:	8 ~125m
Speed:	1450 rmp/ 2900 rpm
Max. working pressure:	1.6 Mpa
Suction pressure:	up to 0.3 Mpa

Model Nomenclature:

e.g. Model ISGD40-125A

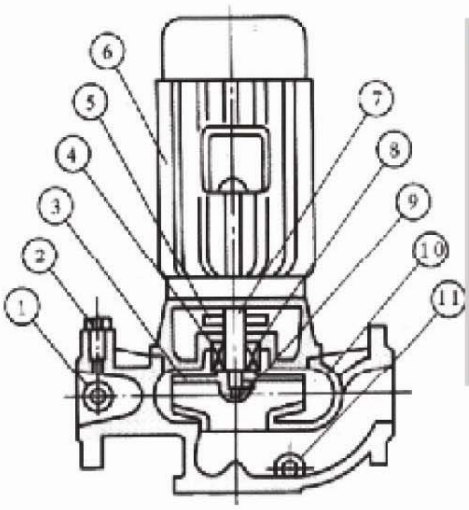
40 — Suction/discharge diameter (mm)
125 — Nominal impeller diameter (mm)
D — Low speed
A — Impeller variation
ISG — Single stage single suction vertical centrifugal clean water pump
IRG — Single stage single suction vertical centrifugal hot water pump
GRG — Single stage single suction vertical centrifugal high temperature pump
IHG — Single stage single suction vertical centrifugal chemical pump
YG — Single stage single suction vertical centrifugal oil pump

PERFOMANCE QUALITY ASSURANCE

MAXIFLO
ISG-IRG-IHG-YG

Configuration Drawings

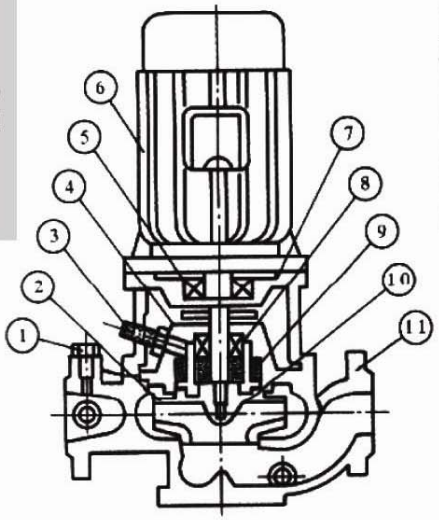
ISG



ISG
1— Pressure Plug
2— Air Release Valve
3— Impeller
4— Mechanical Seal
5— Deflector
6— Motor
7— Shaft
8— Connection Base
9— Impeller Nut
10— Pump Case
11—Water Release

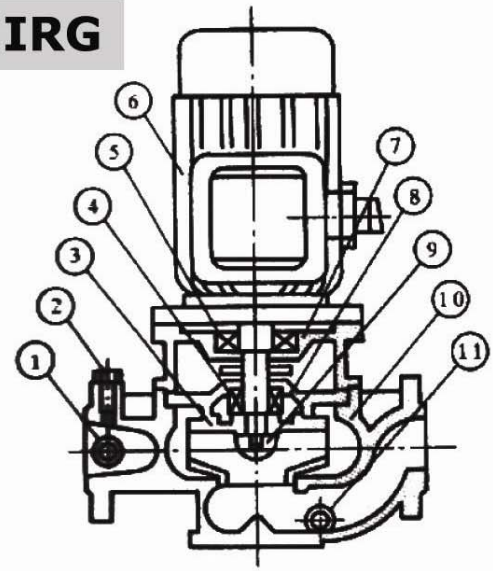
IHG
1— Air Release
2— Impeller
3— Flush Piping
4— Pump Cover
5— Bearing
6— Motor
7— Connection base
8— Mechanical Seal
9— Wearing Plate
10— Impeller Nut
11—Pump Case

IHG



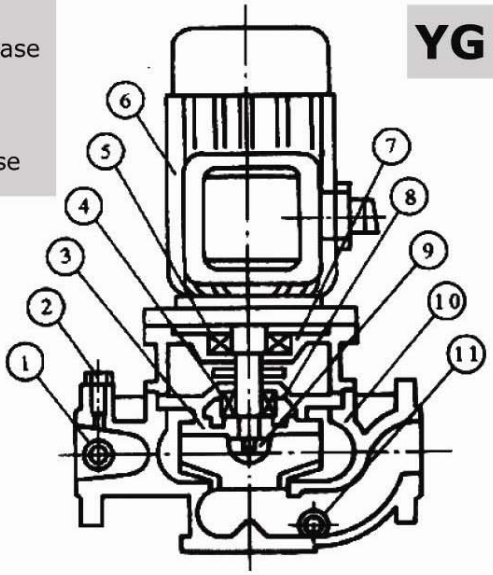
YG
1— Pressure Plug
2— Air Release Valve
3— Impeller
4— Mechanical Seal
5— Bearing
6— Motor
7— Connection Base
8— Pump Cover
9— Impeller Nut
10— Pump Case
11—Water Release

IRG



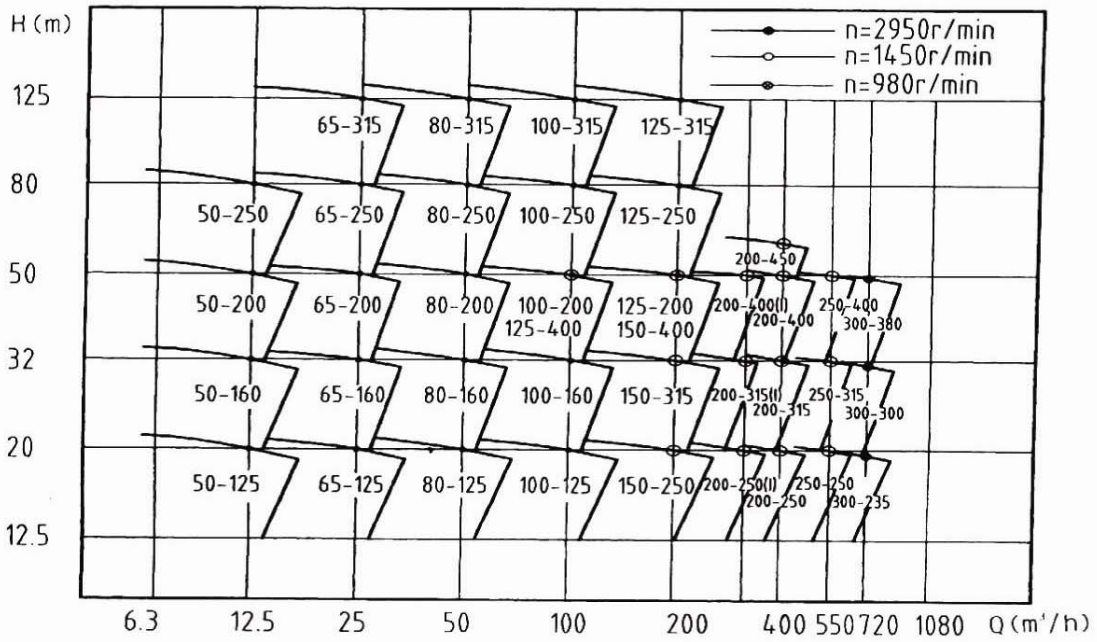
IRG
1— Pressure Plug
2— Air Release Valve
3— Impeller
4— Mechanical Seal
5— Bearing
6— Motor
7— Connection Base
8— Deflector
9— Impeller Nut
10— Pump Case
11—Water Release

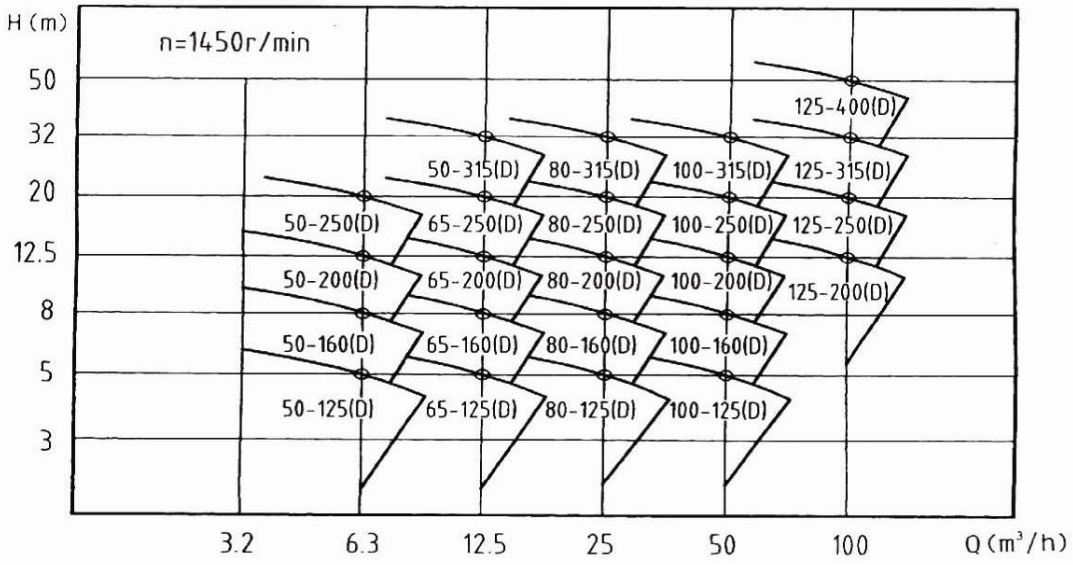
YG



MAXIFLO
ISG-IRG-IHG-YG

Family Curves





PERFOMANCE QUALITY ASSURANCE