

G-CV GI-CV



APPLICATION

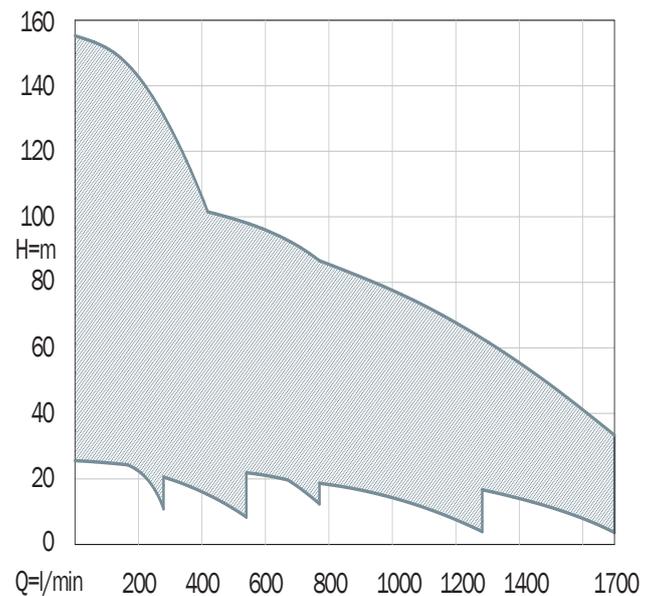
To pressurize civil, agricultural and industrial plants

Irrigation

CHARACTERISTICS

IP rating	IP54
Duty	Continuous S1
Ambient temperature (°C)	-5/+40
Maximum number of starts per hour	20
Maximum temperature of the liquid pumped (°C)	80
PH of the liquid pumped	6 - 10
To be installed in a sheltered place	

APPLICATION RANGE



MATERIALS

Suction body and discharge	Mechanical cast iron EN GJL-200
Pump casing, tie rods, bolt and nuts	Stainless steel AISI304
Shaft	Stainless steel AISI420B
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinking water and AISI304 stainless steel wear rings
Coupling	Mechanical cast iron EN GJL-200
Guide ball bearing	Self-lubricating bronze
Mechanical seal	Graphite and alumina
Diffuser bush	Anti-friction rubber (series 700)
Inlet manifold	Zinc-plated steel
Discharge manifold	Zinc-plated steel
Base and frame	Zinc-plated steel

Automatic booster sets G-CV

CHARACTERISTICS

P2		Q	H
hp	kW	l/min	m
from 1 to 45	from 0,75 to 33	from 30 to 2100	from 7 to 148

MAIN COMPONENTS

Two electric pumps CV (three on request)

N° 2 pressure switches installed on the discharge manifold to start and stop the pumps automatically (alternating - duty-assist)

Inlet manifold with non-return check valves, ball valves and facilities for air feeders

Discharge manifold connected to the electric pumps via ball valves

Pressure gauge

The whole set is assembled on one frame

Plastic control panel containing:

- opening interlocked
- hand - off - auto selector switches, one each electric pump
- electronic card that allows level control, overload protection and alternating duty - assist run of the electric pumps
- 24 V transformer 230-400
- 24 V contactors
- set of fuses for motor protection
- fuses on auxiliary circuit



CHARACTERISTICS

P2		Q	H
hp	kW	l/min	m
from 1 to 45	from 0,75 to 33	from 30 to 2100	from 7 to 148

MAIN COMPONENTS

Two electric pumps CV (three on request)

N° 2 pressure trasducers 4÷20 mA installed on the discharge manifold that allow the alternating duty - assist run of the electric pumps (alternating duty: equally distributed according to the actual run-time; assist: according to the request of water)

Inlet manifold with non-return check valves, ball valves and facilities for air feeders

Discharge manifold connected to the electric pumps via ball valves

Pressure gauge

The whole set is assembled on one frame

N° 2 inverters (on the top of the electric pumps) with the following characteristics:

- alarm and protection against dry running
- alarm for low and maximum pressure
- N.O or N.C, adjustable digital outputs (motor run, alarm, pump control)
- analog inputs 4÷20 mA



Dirty water



