

G&G Controls

The Panel People



**Helping companies create reliable
pumping stations, booster sets and
pump systems, controlled with
expertly manufactured control panels.**

Wastewater & Drainage Panels

Control panels for sewage pumping stations, surface water drainage and foul water lift stations. Float level control as standard suitable for 1, 2, 3 or 4 floats. Direct-on-Line, Star/Delta and Inverter starting methods available.

Waste Water Control Panel Features

Industrial Components	Isolator, MCBs, contactors, overloads and low voltage controls circuit
Duty Changeover	Automatic duty changeover to balance run time between pumps
Lamps & switches	Hand/off/auto switches, lamps for run, trip, power on and high level including level sounder and muto button
Beacon Connections	Two 24V AC connections for high level beacons
BMS Connections	Volt free signals for pump 1 trip and run, pump 2 trip and run and high level.
Wago Terminals	Wago lever terminals for easy connection

Did you know?

Our stepping relays have a life-time warranty, find out more here:

www.gandgcontrols.co.uk/post/why-do-stepping-relays-fail-on-pump-control-panels

3ph 400V DOL panels



Code	No. of Pumps	Power Supply	Pump Start	Enclosure	Pump FLC	Level Control
3ph 415V single pump control panels direct-on-line starting						
WT100S	1	3ph 415V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WT101S	1	3ph 415V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WT102S	1	3ph 415V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WT104S	1	3ph 415V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WT106S	1	3ph 415V	Direct-on-line	Metal IP55	4-6A	4 Floats
WT108S	1	3ph 415V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WT110S	1	3ph 415V	Direct-on-line	Metal IP55	7-10A	4 Floats
WT113S	1	3ph 415V	Direct-on-line	Metal IP55	9-13A	4 Floats
WT118S	1	3ph 415V	Direct-on-line	Metal IP55	12-18A	4 Floats
WT124S	1	3ph 415V	Direct-on-line	Metal IP55	16-24A	4 Floats
3ph 415V dual pump control panels direct-on-line starting						
WT200S	2	3ph 415V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WT201S	2	3ph 415V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WT202S	2	3ph 415V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WT204S	2	3ph 415V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WT206S	2	3ph 415V	Direct-on-line	Metal IP55	4-6A	4 Floats
WT208S	2	3ph 415V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WT210S	2	3ph 415V	Direct-on-line	Metal IP55	7-10A	4 Floats
WT213S	2	3ph 415V	Direct-on-line	Metal IP55	9-13A	4 Floats
WT218S	2	3ph 415V	Direct-on-line	Metal IP55	12-18A	4 Floats
WT224S	2	3ph 415V	Direct-on-line	Metal IP55	16-24A	4 Floats
3ph 415V triple pump control panels direct-on-line starting						
WT300S	3	3ph 415V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WT301S	3	3ph 415V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WT302S	3	3ph 415V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WT304S	3	3ph 415V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WT306S	3	3ph 415V	Direct-on-line	Metal IP55	4-6A	4 Floats
WT308S	3	3ph 415V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WT310S	3	3ph 415V	Direct-on-line	Metal IP55	7-10A	4 Floats
WT313S	3	3ph 415V	Direct-on-line	Metal IP55	9-13A	4 Floats
WT318S	3	3ph 415V	Direct-on-line	Metal IP55	12-18A	4 Floats
WT324S	3	3ph 415V	Direct-on-line	Metal IP55	16-24A	4 Floats

Higher FLC available on request

1ph 230V DOL panels

Code	No. of Pumps	Power Supply	Pump Start	Enclosure	Pump FLC	Level Control
1ph 230V single pump control panels direct-on-line starting						
WS100S	1	1ph 230V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WS101S	1	1ph 230V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WS102S	1	1ph 230V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WS104S	1	1ph 230V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WS106S	1	1ph 230V	Direct-on-line	Metal IP55	4-6A	4 Floats
WS108S	1	1ph 230V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WS110S	1	1ph 230V	Direct-on-line	Metal IP55	7-10A	4 Floats
WS113S	1	1ph 230V	Direct-on-line	Metal IP55	9-13A	4 Floats
WS118S	1	1ph 230V	Direct-on-line	Metal IP55	12-18A	4 Floats
WS124S	1	1ph 230V	Direct-on-line	Metal IP55	16-24A	4 Floats
1ph 230V dual pump control panels direct-on-line starting						
WS200S	2	1ph 230V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WS201S	2	1ph 230V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WS202S	2	1ph 230V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WS204S	2	1ph 230V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WS206S	2	1ph 230V	Direct-on-line	Metal IP55	4-6A	4 Floats
WS208S	2	1ph 230V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WS210S	2	1ph 230V	Direct-on-line	Metal IP55	7-10A	4 Floats
WS213S	2	1ph 230V	Direct-on-line	Metal IP55	9-13A	4 Floats
WS218S	2	1ph 230V	Direct-on-line	Metal IP55	12-18A	4 Floats
WS224S	2	1ph 230V	Direct-on-line	Metal IP55	16-24A	4 Floats
1ph 230V triple pump control panels direct-on-line starting						
WS300S	3	1ph 230V	Direct-on-line	Metal IP55	0.63-1A	4 Floats
WS301S	3	1ph 230V	Direct-on-line	Metal IP55	1-1.6A	4 Floats
WS302S	3	1ph 230V	Direct-on-line	Metal IP55	1.6-2.5A	4 Floats
WS304S	3	1ph 230V	Direct-on-line	Metal IP55	2.5-4A	4 Floats
WS306S	3	1ph 230V	Direct-on-line	Metal IP55	4-6A	4 Floats
WS308S	3	1ph 230V	Direct-on-line	Metal IP55	5.5-8A	4 Floats
WS310S	3	1ph 230V	Direct-on-line	Metal IP55	7-10A	4 Floats
WS313S	3	1ph 230V	Direct-on-line	Metal IP55	9-13A	4 Floats
WS318S	3	1ph 230V	Direct-on-line	Metal IP55	12-18A	4 Floats
WS324S	3	1ph 230V	Direct-on-line	Metal IP55	16-24A	4 Floats

3ph 400V star/delta panels

Code	No. of Pumps	Power Supply	Pump Start	Enclosure	Pump FLC	Level Control
3ph 415VAC single pump control panels star-delta starting						
WD104S	1	3ph 415V	Star/Delta	Metal IP55	4.3-7A	4 Floats
WD106S	1	3ph 415V	Star/Delta	Metal IP55	7-10.3A	4 Floats
WD108S	1	3ph 415V	Star/Delta	Metal IP55	9.5-14A	4 Floats
WD110S	1	3ph 415V	Star/Delta	Metal IP55	12-17A	4 Floats
WD113S	1	3ph 415V	Star/Delta	Metal IP55	16-22A	4 Floats
WD118S	1	3ph 415V	Star/Delta	Metal IP55	20.5-31A	4 Floats
WD124S	1	3ph 415V	Star/Delta	Metal IP55	27.5-41A	4 Floats
WD132S	1	3ph 415V	Star/Delta	Metal IP55	40-55A	4 Floats
3ph 415VAC dual pump control panels star-delta starting						
WD204S	2	3ph 415V	Star/Delta	Metal IP55	4.3-7A	4 Floats
WD206S	2	3ph 415V	Star/Delta	Metal IP55	7-10.3A	4 Floats
WD208S	2	3ph 415V	Star/Delta	Metal IP55	9.5-14A	4 Floats
WD210S	2	3ph 415V	Star/Delta	Metal IP55	12-17A	4 Floats
WD213S	2	3ph 415V	Star/Delta	Metal IP55	16-22A	4 Floats
WD218S	2	3ph 415V	Star/Delta	Metal IP55	20.5-31A	4 Floats
WD224S	2	3ph 415V	Star/Delta	Metal IP55	27.5-41A	4 Floats
WD232S	2	3ph 415V	Star/Delta	Metal IP55	40-55A	4 Floats
3ph 415VAC tiple pump control panels star-delta starting						
WD304S	3	3ph 415V	Star/Delta	Metal IP55	4.3-7A	4 Floats
WD306S	3	3ph 415V	Star/Delta	Metal IP55	7-10.3A	4 Floats
WD308S	3	3ph 415V	Star/Delta	Metal IP55	9.5-14A	4 Floats
WD310S	3	3ph 415V	Star/Delta	Metal IP55	12-17A	4 Floats
WD313S	3	3ph 415V	Star/Delta	Metal IP55	16-22A	4 Floats
WD318S	3	3ph 415V	Star/Delta	Metal IP55	20.5-31A	4 Floats
WD324S	3	3ph 415V	Star/Delta	Metal IP55	27.5-41A	4 Floats
WD332S	3	3ph 415V	Star/Delta	Metal IP55	40-55A	4 Floats



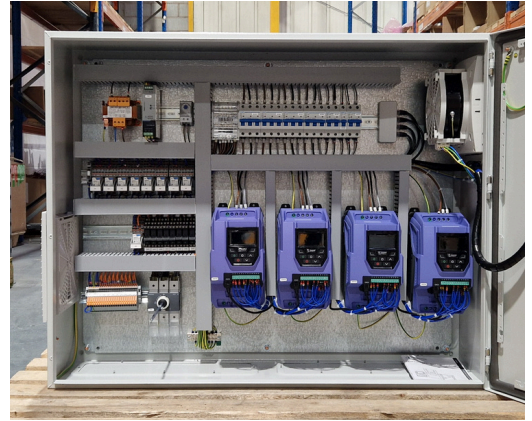
1ph 230V start & run capacitor panels

Code	No. of Pumps	Power Supply	Pump Start	Enclosure	Pump FLC	Level Control
1ph 230V single pump control panels with start & run capacitors						
WR100S	1	1ph 230V	Start & Run Capacitor	Metal IP55	0.63-1A	4 Floats
WR101S	1	1ph 230V	Start & Run Capacitor	Metal IP55	1-1.6A	4 Floats
WR102S	1	1ph 230V	Start & Run Capacitor	Metal IP55	1.6-2.5A	4 Floats
WR104S	1	1ph 230V	Start & Run Capacitor	Metal IP55	2.5-4A	4 Floats
WR106S	1	1ph 230V	Start & Run Capacitor	Metal IP55	4-6A	4 Floats
WR108S	1	1ph 230V	Start & Run Capacitor	Metal IP55	5.5-8A	4 Floats
WR110S	1	1ph 230V	Start & Run Capacitor	Metal IP55	7-10A	4 Floats
WR113S	1	1ph 230V	Start & Run Capacitor	Metal IP55	9-13A	4 Floats
WR118S	1	1ph 230V	Start & Run Capacitor	Metal IP55	12-18A	4 Floats
WR124S	1	1ph 230V	Start & Run Capacitor	Metal IP55	16-24A	4 Floats
1ph 230V dual pump control panels with start & run capacitors						
WR200S	2	1ph 230V	Start & Run Capacitor	Metal IP55	0.63-1A	4 Floats
WR201S	2	1ph 230V	Start & Run Capacitor	Metal IP55	1-1.6A	4 Floats
WR202S	2	1ph 230V	Start & Run Capacitor	Metal IP55	1.6-2.5A	4 Floats
WR204S	2	1ph 230V	Start & Run Capacitor	Metal IP55	2.5-4A	4 Floats
WR206S	2	1ph 230V	Start & Run Capacitor	Metal IP55	4-6A	4 Floats
WR208S	2	1ph 230V	Start & Run Capacitor	Metal IP55	5.5-8A	4 Floats
WR210S	2	1ph 230V	Start & Run Capacitor	Metal IP55	7-10A	4 Floats
WR213S	2	1ph 230V	Start & Run Capacitor	Metal IP55	9-13A	4 Floats
WR218S	2	1ph 230V	Start & Run Capacitor	Metal IP55	12-18A	4 Floats
WR224S	2	1ph 230V	Start & Run Capacitor	Metal IP55	16-24A	4 Floats
1ph 230V triple pump control panels with start & run capacitors						
WR300S	3	1ph 230V	Start & Run Capacitor	Metal IP55	0.63-1A	4 Floats
WR301S	3	1ph 230V	Start & Run Capacitor	Metal IP55	1-1.6A	4 Floats
WR302S	3	1ph 230V	Start & Run Capacitor	Metal IP55	1.6-2.5A	4 Floats
WR304S	3	1ph 230V	Start & Run Capacitor	Metal IP55	2.5-4A	4 Floats
WR306S	3	1ph 230V	Start & Run Capacitor	Metal IP55	4-6A	4 Floats
WR308S	3	1ph 230V	Start & Run Capacitor	Metal IP55	5.5-8A	4 Floats
WR310S	3	1ph 230V	Start & Run Capacitor	Metal IP55	7-10A	4 Floats
WR313S	3	1ph 230V	Start & Run Capacitor	Metal IP55	9-13A	4 Floats
WR318S	3	1ph 230V	Start & Run Capacitor	Metal IP55	12-18A	4 Floats
WR324S	3	1ph 230V	Start & Run Capacitor	Metal IP55	16-24A	4 Floats

Start capacitor only panels available on request

As site maximum wastewater discharges are increasingly limited to exact litres-per-second flow rates, our inverter-equipped waste water control panels can be adjusted to meet the specified maximum flow.

Inverters are pre-programmed, suitable for non-technical engineers.



3ph 415VAC pump control panels inverter starting

Code	No. of Pumps	Power Supply	Pump Start	Enclosure	Pump kW	Level Control
WI1	1	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch
WI2	2	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch
WI3	3	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch
WI4	4	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch
WI5	5	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch
WI6	6	3ph 415V	Inverter	Metal IP55	0.75kW - 75kW	Float Switch

High Level Alarm Box

Code	No. of Pumps	Power Supply	Enclosure	Level Control
WSOXXP	-	230V AC	Plastic IP55	Float Switch



Level Sensing Options

All the above waste water panels can be specified with 4 level sensing options, details below.

Level Sensing Options					
Type	Best For	Benefits	Drawbacks	Level Depth	
Float switches	Most standard pump stations	- Cheapest - Easy to install	- Can tangle if space is tight - Not ideal for very shallow or narrow chambers	Minimum 1m Maximum 20m	
Probes	Very narrow or confined chambers	- Compact and neat - No moving parts	- Requires clean electrodes - Limited for greasy or foamy liquids	Minimum 0.2m Maximum 1.2m	
Hydrostatic level sensor	Restaurants, hotels, or sites with hot/fatty wastewater	- Handles temperature and grease well - Very reliable and accurate	- Slightly higher cost - Needs vented cable protection	Minimum 0.2m Maximum 10m	
Radar/Ultrasonic	Corrosive or fatty wastewater, chemical tanks	- No contact with liquid - Excellent long-term reliability	- Not suitable for shallow stations - Higher cost than float switches	Minimum 1.5m Maximum 20m	

Telemetry: Wastewater & Drainage Panels with Remote Monitoring

Telemetry panels have all the features of our standard waste water panels, plus built-in notifications and remote connectivity. Monitor your pump stations from anywhere using the Telemetry Dashboard.

All Telemetry panels can send email notifications

How to connect Telemetry panels to receive notifications

4G SIM Card

Built-in SIM slot — works anywhere with mobile signal

Wi-Fi

Connect to existing site Wi-Fi network

Ethernet Cable

Hard-wired connection for maximum reliability

Telemetry Dashboard Features

Live Status	See pump running, fault and alarm status in real time from any device
Alarm Notifications	Instant alerts via email or SMS when a fault or high-level alarm occurs
Run Hours & Cycles	Track individual pump run hours and cycle counts remotely — no site visit
Event History	Full log of every start, stop, fault and alarm with date and time stamps
Multi-Site Overview	View all your pump stations on a single dashboard
Reduce Site Visits	Only attend site when there is an actual issue — saving time, fuel and labour

Wastewater & Drainage Panels with Remote Monitoring



Code	No. of Pumps	Power Supply	Pump Start	Connectivity	Pump FLC	Level Control
TX2	2	1ph 230V 3ph 415V 3ph 415V + N	Direct-on-line	4G + WiFi + Ethernet	Up to 18A	Float Switch
TX2##S-Y	2	1ph 230V 3ph 415V 3ph 415V + N	Direct-on-line	4G + WiFi + Ethernet	Up to 18A	4-20mA (e.g. Vega Head or Hydrostatic)
TD2	2	3ph 415V 3ph 415V + N	Star/Delta	4G + WiFi + Ethernet	Up to 55A	Float Switch
TD2##S-Y	2	3ph 415V 3ph 415V + N	Star/Delta	4G + WiFi + Ethernet	Up to 55A	4-20mA (e.g. Vega Head or Hydrostatic)

Booster Set Control Panels

Booster set control panels for potable water, irrigation and boosted cold-water services. Pressure transducer control as standard. Variable speed drives pre-programmed and built into the control panel.



Code	No. of Pumps	Power Supply	Pump Starter	Control Type	Pump kW
BI1	1	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW
BI2	2	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW
BI3	3	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW
BI4	4	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW
BI5	5	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW
BI6	6	3ph 415V	Inverter	Pressure transducer	0.75kW - 75kW

How It Works

- 1 Pressure Transducer** A 4-20mA pressure transducer continuously reads the system pressure
- 2 Inverter Adjusts Speed** The built-in variable speed drive speeds up or slows down the pump to hold the setpoint
- 3 Set Your Pressure** Enter the required pressure setpoint directly into the inverter, or via the optional touchscreen HMI
- 4 Multi-Pump Staging** Pumps are staged on and off automatically to meet demand

Standard Features on all G&G Control Panels

Control & Safety

Hand/Off/Auto selector for each pump
Duty/Assist alternation on 2-6 pump panels
Overload and short circuit protection

Electrical Design

Door interlocked isolator
Wago lever terminals
24V DC control circuit
Volt-free output relays

Build Quality

Powder-coated mild steel (IP55)
Fully tested before dispatch
CE marked
12-month warranty

Installation Ready

Pre-wired and labelled
Mounting holes pre-drilled
Full wiring diagrams supplied

Optional Extras (not available on Telemetry)

Ammeters

Hours run meters

Generator inlet

Panel heater with
thermostat

230V socket
outlet

Power to external
telemetry

High level beacon

Seal leak
detection

Telemetry outputs
(volt free)

Ultrasonic level
control

How to Order

1

Select panel code from table

Choose the configuration that matches your pump setup

2

Specify full load current

Provide the motor nameplate FLC for sizing

3

Choose optional extras

Add any required accessories or upgrades

4

Contact us for quote

Email sales@gandgcontrols.co.uk or call 01782 280577