

GLOBAL PUMP SOLUTION DOOCH

60Hz



• XQ-DRIVE



• NSQ-DRIVE



• SQ2-DRIVE



• TM10.1

VARIABLE FREQUENCY DRIVE

ALL-IN-ONE INTELLIGENT PUMP CONTROLLER

VARIABLE FREQUENCY DRIVE (V.F.D)

ALL-IN-ONE INTELLIGENT PUMP CONTROL SYSTEM

MOTOR-INDEPENDENT, MICROPROCESSOR BASED
ENERGY SAVING PUMP CONTROL SYSTEM.



XQ-Drive



NSQ-Drive



SQ2-Drive

	XQ-Drive	NSQ-Drive	SQ2-Drive
Single phase model	-	-	Available power : 1.1~2.2kW Input power : 1Phase, 200~230V Output power : 3Phase, 200~230V
Three phase model	Available power : 0.75~22kW Input power : 3Phase, 380~440V Output power : 3Phase, 380~440V	Available power : 0.75~22kW Input power : 3Phase, 380~440V Output power : 3Phase, 380~440V	-
Main frequency	50/60Hz	50/60Hz	50/60Hz
IP Class	IP55	IP55	IP55
Ambient temperature	-10~+40 C°	-10~+40 C°	-10~+40 C°
Connections	RS485 port	RS485 port (OPTION)	-
Pressure transmitter	4~20mA	4~20mA	4~20mA
Display	Graphic LCD type (3.5")	FND type (5 digits)	FND type (5 digits)
Built-in-devices	Built-in EMC filter (IEC61800-3) Built-in DC reactor	External (OPTION)	External (OPTION)

SQ2-DRIVE

SQ2-Drive is a single phase specific pump controller which adjusts the pump speed to maintain constant pressure, even when demand for water changes. Adjusting the pump speed is the most efficient means of controlling pump flow and saving the energy. As SQ2-Drive is motor-independent frequency inverter, it can be mounted directly on the motor or the wall.

Application

- Pressure boosting system
- Water treatment and processing
- Wash down
- Portable water supply
- Commercial water supply
- Boiler feed

Technical Specification

- Available power : 1.1~2.2kW
- Input power : 1Phase, 200~230V
- Output power : 3Phase, 200~230V
- Main frequency : 50/60Hz
- Maximum frequency : 60Hz
- IP Class : IP55
- Maximum distance of pressure transmitter from drive 10 meters
- Ambient temperature -10°C to 40°C
- Humidity 50% at 40°C and 90% at 20°C

Protections

- Dry running
- Low water level detection
- Minimum flow stop
- Over/under voltage
- Inverter over temperature
- Pressure setting
- Sensor failure
- Pump freezing
- Pump overload

Features

- Stand-alone inverter for a single pump
- Hydraulic control functions included
- Electrical and hydraulic pump protections
- Easy retrofitting on existing pump system
- Flexible installation (motor, wall)
- Small compact design and space saving
- FND display for easy status monitoring and programming

