

★ FxS Series

Electronic control panels with variable frequency drive to control up to 4 three-phase motors with advanced features.

- ◇ Operating and monitoring the system from remote location with using 3G / WI-FI App Module
- ◇ Easy and quick set-up features with 7" TFT touch screen
- ◇ Factory equipped with motor circuit protection breaker, Isolating switch with door locking system
- ◇ Different types of connections to start and stop motor such as; flow switch, pressure switches/sensors, temperature sensors, etc.
- ◇ Smart solutions for applications such as;

Booster Pumps

Wastewater Pumps (Submersible or surface pumps)

Irrigation Pumps

HVAC Systems

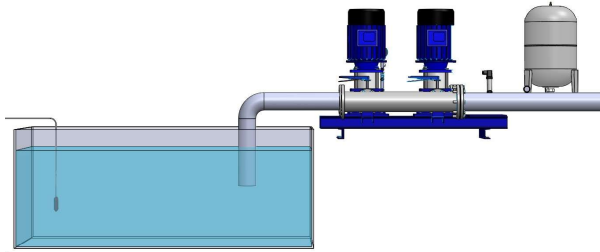
Industrial Pumps



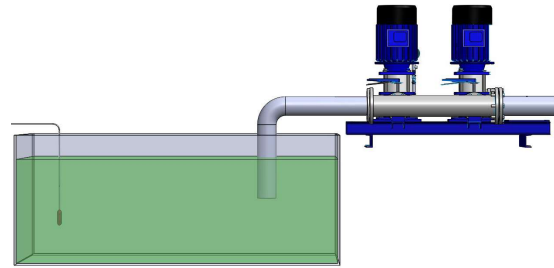
Technical Features

- Metal Enclosure / IP 54
- Main switch with locking mechanism
- Auto / Manual Switch
- Power supply 3-50/60Hz 400V $\pm$ %10
- Protections and Failures;
 - Motor Overcurrent / Low current (Adjustable)
 - Phase Loss and incorrect sequence
 - Min / Max Voltage (Adjustable)
 - Motor starting time
 - Over Float function
 - Dry running protection
 - Thermal and Magnetic protection
- Dry contact for BMS
- MODBus (RS485)
- Password protection for un-authorized people access.
- USB port for downloading failures, messages, events and alarms with date&time. (Last 500)
- Adjustable weekly test run
- Modbus Connection standart. BACnet, LonWorks optional
- Webgate APP to remote access (Optional)
- P.I.D Regulation
- Internal Ventilation

Applications



Pressure Transmitter



Floater Control

Technical Data

FxS 1

FxS 1	VOLTAGE			MAX POWER		CURRENT	BOX DIMENSIONS			WEIGHT	
	CODE	V-IN	V-OUT	Hp	Range (A)	Max (A)	D	E	G	Material	KG
FxS 1 - 0.75 / Tri	18001	3 - 400	3 - 400	0.75	1	2.1	600	400	260	Metallic	
FxS 1 - 1.1 / Tri	18002	3 - 400	3 - 400	1.1	1.5	3.3	600	400	260	Metallic	
FxS 1 - 1.5 / Tri	18003	3 - 400	3 - 400	1.5	2	4.1	600	400	260	Metallic	
FxS 1 - 2.2 / Tri	18004	3 - 400	3 - 400	2.2	3	5.4	600	400	260	Metallic	
FxS 1 - 3 / Tri	18005	3 - 400	3 - 400	3	4	6.9	600	400	260	Metallic	
FxS 1 - 4 / Tri	18006	3 - 400	3 - 400	4	5.5	8.8	600	400	260	Metallic	
FxS 1 - 5.5 / Tri	18007	3 - 400	3 - 400	5.5	7.5	11.9	700	500	260	Metallic	
FxS 1 - 7.5 / Tri	18008	3 - 400	3 - 400	7.5	10	15.4	700	500	260	Metallic	
FxS 1 - 11 / Tri	18009	3 - 400	3 - 400	11	15	23	700	500	260	Metallic	
FxS 1 - 15 / Tri	18010	3 - 400	3 - 400	15	20	31	700	500	260	Metallic	
FxS 1 - 18.5 / Tri	18011	3 - 400	3 - 400	18.5	25	38	700	500	260	Metallic	
FxS 1 - 22 / Tri	18012	3 - 400	3 - 400	22	30	45	700	500	260	Metallic	
FxS 1 - 30 / Tri	18013	3 - 400	3 - 400	30	40	59	1000	700	320	Metallic	
FxS 1 - 37 / Tri	18014	3 - 400	3 - 400	37	50	72	1000	700	320	Metallic	
FxS 1 - 45 / Tri	18015	3 - 400	3 - 400	45	60	87	1200	800	340	Metallic	
FxS 1 - 55 / Tri	18016	3 - 400	3 - 400	55	75	125	1200	800	340	Metallic	
FxS 1 - 75 / Tri	18017	3 - 400	3 - 400	75	100	157	1600	800	550	Metallic	
FxS 1 - 90 / Tri	18018	3 - 400	3 - 400	90	125	180	1600	800	550	Metallic	
FxS 1 - 110 / Tri	18019	3 - 400	3 - 400	110	150	205	1600	800	550	Metallic	
FxS 1 - 132 / Tri	18020	3 - 400	3 - 400	132	180	246	1800	1300	550	Metallic	
FxS 1 - 160 / Tri	18021	3 - 400	3 - 400	160	220	289	1800	1300	550	Metallic	

FxS 2

FxS 2		VOLTAGE		MAX POWER		CURRENT	BOX DIMENSIONS				WEIGHT
	CODE	V-IN	V-OUT	Hp	Range (A)	Max (A)	D	E	G	Material	KG
FxS 2 - 0.75 / Tri	18201	3 - 400	3 - 400	0.75	1	2.1	700	500	260	Metallic	
FxS 2 - 1.1 / Tri	18202	3 - 400	3 - 400	1.1	1.5	3.3	700	500	260	Metallic	
FxS 2 - 1.5 / Tri	18203	3 - 400	3 - 400	1.5	2	4.1	700	500	260	Metallic	
FxS 2 - 2.2 / Tri	18204	3 - 400	3 - 400	2.2	3	5.4	700	500	260	Metallic	
FxS 2 - 3 / Tri	18205	3 - 400	3 - 400	3	4	6.9	700	500	260	Metallic	
FxS 2 - 4/ Tri	18206	3 - 400	3 - 400	4	5.5	8.8	700	500	260	Metallic	
FxS 2 - 5.5 / Tri	18207	3 - 400	3 - 400	5.5	7.5	11.9	700	500	260	Metallic	
FxS 2 - 7.5 / Tri	18208	3 - 400	3 - 400	7.5	10	15.4	700	500	260	Metallic	
FxS 2 - 11 / Tri	18209	3 - 400	3 - 400	11	15	23	700	500	260	Metallic	
FxS 2 - 15 / Tri	18210	3 - 400	3 - 400	15	20	31	800	600	260	Metallic	
FxS 2 - 18.5 / Tri	18211	3 - 400	3 - 400	18.5	25	38	800	600	260	Metallic	
FxS 2 - 22 / Tri	18212	3 - 400	3 - 400	22	30	45	800	600	260	Metallic	
FxS 2 - 30 / Tri	18213	3 - 400	3 - 400	30	40	59	1000	700	320	Metallic	
FxS 2 - 37 / Tri	18214	3 - 400	3 - 400	37	50	72	1000	700	320	Metallic	
FxS 2 - 45 / Tri	18215	3 - 400	3 - 400	45	60	87	1200	800	340	Metallic	
FxS 2 - 55 / Tri	18216	3 - 400	3 - 400	55	75	125	1200	800	340	Metallic	
FxS 2 - 75 / Tri	18217	3 - 400	3 - 400	75	100	157	1600	800	550	Metallic	
FxS 2 - 90 / Tri	18218	3 - 400	3 - 400	90	125	180	1600	800	550	Metallic	
FxS 2 - 110 / Tri	18219	3 - 400	3 - 400	110	150	205	1600	800	550	Metallic	
FxS 2 - 132 / Tri	18220	3 - 400	3 - 400	132	180	246	1800	1300	550	Metallic	
FxS 2 - 160 / Tri	18221	3 - 400	3 - 400	160	220	289	1800	1300	550	Metallic	

FxS 3

FxS 3		VOLTAGE		MAX POWER		CURRENT	BOX DIMENSIONS				WEIGHT
	CODE	V-IN	V-OUT	Hp	Range (A)	Max (A)	D	E	G	Material	KG
FxS 3 - 0.75 / Tri	18301	3 - 400	3 - 400	0.75	1	2.1	800	600	260	Metallic	
FxS 3 - 1.1 / Tri	18302	3 - 400	3 - 400	1.1	1.5	3.3	800	600	260	Metallic	
FxS 3 - 1.5 / Tri	18303	3 - 400	3 - 400	1.5	2	4.1	800	600	260	Metallic	
FxS 3 - 2.2 / Tri	18304	3 - 400	3 - 400	2.2	3	5.4	800	600	260	Metallic	
FxS 3 - 3 / Tri	18305	3 - 400	3 - 400	3	4	6.9	800	600	260	Metallic	
FxS 3 - 4/ Tri	18306	3 - 400	3 - 400	4	5.5	8.8	800	600	260	Metallic	
FxS 3 - 5.5 / Tri	18307	3 - 400	3 - 400	5.5	7.5	11.9	1000	700	320	Metallic	
FxS 3 - 7.5 / Tri	18308	3 - 400	3 - 400	7.5	10	15.4	1000	700	320	Metallic	
FxS 3 - 11 / Tri	18309	3 - 400	3 - 400	11	15	23	1000	700	320	Metallic	
FxS 3 - 15 / Tri	18310	3 - 400	3 - 400	15	20	31	1200	800	340	Metallic	
FxS 3 - 18.5 / Tri	18311	3 - 400	3 - 400	18.5	25	38	1200	800	340	Metallic	
FxS 3 - 22 / Tri	18312	3 - 400	3 - 400	22	30	45	1200	800	340	Metallic	
FxS 3 - 30 / Tri	18313	3 - 400	3 - 400	30	40	59	1300	900	340	Metallic	
FxS 3 - 37 / Tri	18314	3 - 400	3 - 400	37	50	72	1300	900	340	Metallic	
FxS 3 - 45 / Tri	18315	3 - 400	3 - 400	45	60	87	1300	900	340	Metallic	
FxS 3 - 55 / Tri	18316	3 - 400	3 - 400	55	75	125	1300	900	340	Metallic	
FxS 3 - 75 / Tri	18317	3 - 400	3 - 400	75	100	157	1600	800	550	Metallic	
FxS 3 - 90 / Tri	18318	3 - 400	3 - 400	90	125	180	1600	800	550	Metallic	
FxS 3 - 110 / Tri	18319	3 - 400	3 - 400	110	150	205	1600	800	550	Metallic	
FxS 3 - 132 / Tri	18320	3 - 400	3 - 400	132	180	246	1800	1300	550	Metallic	
FxS 3 - 160 / Tri	18321	3 - 400	3 - 400	160	220	289	1800	1300	550	Metallic	

FxS 4

FxS 4		VOLTAGE		MAX POWER		CURRENT	BOX DIMENSIONS				WEIGHT
	CODE	V-IN	V-OUT	Hp	Range (A)	Max (A)	D	E	G	Material	KG
FxS 4 - 0.75 / Tri	18401	3 - 400	3 - 400	0.75	1	2.1	800	600	260	Metallic	
FxS 4 - 1.1 / Tri	18402	3 - 400	3 - 400	1.1	1.5	3.3	800	600	260	Metallic	
FxS 4 - 1.5 / Tri	18403	3 - 400	3 - 400	1.5	2	4.1	800	600	260	Metallic	
FxS 4 - 2.2 / Tri	18404	3 - 400	3 - 400	2.2	3	5.4	800	600	260	Metallic	
FxS 4 - 3 / Tri	18405	3 - 400	3 - 400	3	4	6.9	800	600	260	Metallic	
FxS 4 - 4/ Tri	18406	3 - 400	3 - 400	4	5.5	8.8	800	600	260	Metallic	
FxS 4 - 5.5 / Tri	18407	3 - 400	3 - 400	5.5	7.5	11.9	1000	700	320	Metallic	
FxS 4 - 7.5 / Tri	18408	3 - 400	3 - 400	7.5	10	15.4	1000	700	320	Metallic	
FxS 4 - 11 / Tri	18409	3 - 400	3 - 400	11	15	23	1000	700	320	Metallic	
FxS 4 - 15 / Tri	18410	3 - 400	3 - 400	15	20	31	1300	900	340	Metallic	
FxS 4 - 18.5 / Tri	18411	3 - 400	3 - 400	18.5	25	38	1300	900	340	Metallic	
FxS 4 - 22 / Tri	18412	3 - 400	3 - 400	22	30	45	1300	900	340	Metallic	
FxS 4 - 30 / Tri	18413	3 - 400	3 - 400	30	40	59	1600	800	550	Metallic	
FxS 4 - 37 / Tri	18414	3 - 400	3 - 400	37	50	72	1600	800	550	Metallic	
FxS 4 - 45 / Tri	18415	3 - 400	3 - 400	45	60	87	1600	800	550	Metallic	
FxS 4 - 55 / Tri	18416	3 - 400	3 - 400	55	75	125	1600	800	550	Metallic	
FxS 4 - 75 / Tri	18417	3 - 400	3 - 400	75	100	157	1800	1300	550	Metallic	
FxS 4 - 90 / Tri	18418	3 - 400	3 - 400	90	125	180	1800	1300	550	Metallic	
FxS 4 - 110 / Tri	18419	3 - 400	3 - 400	110	150	205	1800	1300	550	Metallic	
FxS 4 - 132 / Tri	18420	3 - 400	3 - 400	132	180	246	2000	1600	600	Metallic	
FxS 4 - 160 / Tri	18421	3 - 400	3 - 400	160	220	289	2000	1600	600	Metallic	

**It is possible to realize the panel for 185 kW and largest capacity according to demand*

***Please contact us for custom design production*

Optional Accessories

Floater



Model	mt
F-S/5	5
P-T/10	10
P-T/15	15
P-T/20	20

Level Electrode



Model	Power (V)	Range
L-E/5	12	10 Bar

Pressure Switch



Model	Range	Differential
P-S/10	1-5 Bar	10 Bar
P-S/16	3-12 Bar	16 Bar
P-S/25	2-14 Bar	25 Bar

Pressure Transmitter



Model	Power (V)	Range
P-T/10	12	10 Bar
P-T/16	12	16 Bar
P-T/25	12	25 Bar
P-T/40	12	40 Bar