

Pressure controlling VSD systems

for energy efficient and well functioning extraction systems



Front panel

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Camfil Farr APC pressure controlling VSD systems for energy efficient and well functioning extraction systems.

The system is designed to in connection with the Camfil Farr dust collector control systems operate the fan/pump at the right speed, by controlling the pressure in the suction system.

Standard Features & Benefits

- Correct air flow at extraction points for multiple point extraction systems
- Lower noise as excess air flow is avoided
- Easier to balance make up air in systems with many extraction points used intermittently as extracted air flow from each point is constant
- Significant energy savings by operating fans/pumps at the right speed
- Soft starting avoids power spikes at start
- Designed to work in connection to the dust collector control system for simple integration.

Technical data

- IP 55, Powder coated steel enclosure
- Input voltage 400V+- 10%
- Integrated RFI filter
- Surrounding temperature: 0 – 40 C
- Local start for test operation, normal operation through 24Vdust collector controller
- VSD Local display shows current speed and fault indications
- Potential free alarm output when max fan capacity reached
- Constant pressure through integrated pressure controller
- Max control pressure: 10 kPa

Integration with dust collector controller allows alarms and emergency stop signals to be inter connected. The system is designed to work with a Camfil Farr dust collector controller and will not work as intended if not connected to a Camfil Farr APC controller.

Special executions; RS485 communication, stand alone systems, systems without pressure control, ATEX etc. on request.

Model	Max power kW	Weight kg	Dimensions (w x h x d) mm	Part number	Fan model
CFVS 2	2	22	400 x 500 x 200	20120	CF 2/2
CFVS 3	3	22	400 x 500 x 200	20121	C 2
CFVS 5.5	5.5	26	400 x 600 x 200	20122	CF 4.5
CFVS 7.5	7.5	26	400 x 600 x 200	20123	CF 5.5
CFVS 9	9	26	400 x 600 x 200	20124	CF 7.5
CFVS 11	11	40	500 x 700 x 250	20125	CF 9.5
CFVS 15	15	40	500 x 700 x 250	20126	CF 12.5
CFVS 18.5	18.5	59	600 x 800 x 250	20127	CF 16.5
CFVS 22	22	63	600 x 800 x 250	20128	CF 20
CFVS 30	30	73	600 x 800 x 300	20129	CF 25
CFVS 37	37	73	600 x 800 x 300	20130	CF 32
CFVS 45	45	110	1000 x 1200 x 350	20131	CF 42
CFVS 55	55	110	1000 x 1200 x 350	20132	CF 52
CFVS 75	75	110	1000 x 1200 x 350	20133	CF 68

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