

Spencer Control and Monitoring Capabilities

Equipment Type	Typical Functions
Blower or Vacuum Producer	2, 4, 9, 10, 11, 12, 13, 14, 16, 23
Gas Booster	2, 4, 9, 10, 11, 12, 13, 14, 15, 23, 24
Wastewater System	2, 9, 11, 12, 13, 23, 24, 25, 26, 27, 28, 29
Separator	17, 18, 19, 20, 21, 22, 30, 31
Electric Motor	1, 2, 3, 4, 5, 6, 7, 8

Control and Monitoring Functions

1 Start/stop	17 Broken bag detection
2 Bearing temperature monitoring	18 Automatic bag shaking
3 Winding temperature monitoring	19 Discharge valve or pump operation
4 Low load and/or overload protection	20 High level alarm and/or auto switch to standby
5 Space heating	21 Airflow control and system balancing
6 Phase sequence/phase loss monitoring	22 In-process filter cleaning (Jet-Clean® & Cartridge)
7 Under/over voltage protection	23 VFD speed control
8 Power factor correction	24 Bypass line and intercooler operation
9 Sequencing or alternation	25 Air scour blower operation
10 Inlet/outlet pressure monitoring	26 Aeration blower control
11 Vibration monitoring	27 Dissolved oxygen level monitoring
12 Bearing oil level monitoring/low oil shutdown	28 Digester gas boosting
13 Air or gas flow level monitoring/control	29 Waste gas burner operation
14 Water flow to water-cooled bearing	30 Filtration monitoring
15 Purge gas flow to shaft seals	31 Automatic jet pulse sequencing
16 EMBC system operation	