

InPac Purge/Pressurization Units

Fully configurable severe duty and explosion proof building pressurization systems
1500–12000 CFM :: 700–5600 L/s



Features and Benefits

Built for critical applications

- 16-gauge cabinet construction for use in rugged, industrial applications
- Modular design allows improved maintenance and spare parts availability
- Form-C dry contacts for alarm outputs allow remote monitoring
- Standard motors are totally-enclosed and rated for Class 1 Div 2
- UL 508A Listed electrical panels for safety
- Fully CSA certified to UL 1995 (general purpose) and 1203 (hazloc) standards
- Industry standard voltage configurations, including: 480V 3ph 60Hz; 575V 3ph 60Hz; 380V 3ph 50Hz

Options and Accessories

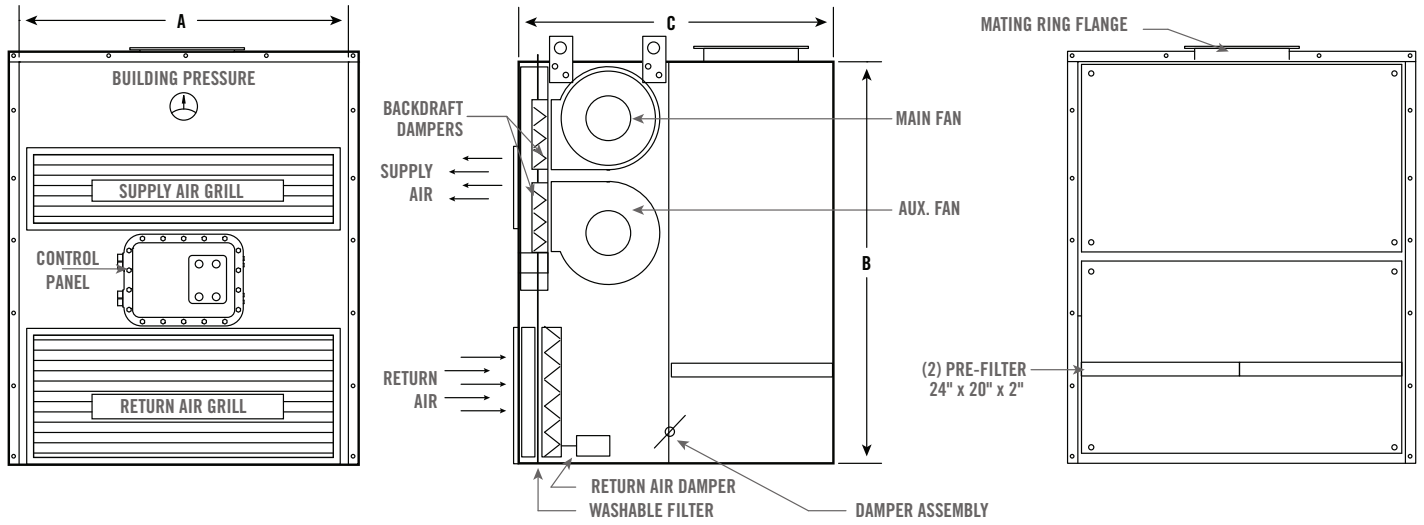
- Built in NFPA-496 compliant building purge & pressurization
- Chemical and/or high efficiency particulate filtration
- Electric heat from 10 kW – 40kW
- Air quality monitoring for explosive, toxic, or corrosive gases
- Fresh air stack packages
- Multiple unit control
- Reverse Airflow

Keeping costly process controls safe from harmful outdoor gases

Specific Systems PressurePac units are engineered and proven to stand up to the rigors and harsh conditions of corrosive and hazardous environments. The PressurePac line is built to demanding industrial and military specifications and features corrosion resistant coatings and dual-redundancy for efficiency and to avoid downtime. While a room may have leaks due to age, poor construction, or imperfect sealing, PressurePac units, when combined with a stack package, can reduce the hazardous (classified) area rating within the room from Class I, Div. 1 or 2 to non-hazardous (classified). Specific Systems PressurePac Units are available in configurations up to 12000 cfm.

PressurePac units are custom-engineered and built-to-order for each customer using a time-proven assembly method. Standard unit cabinets are manufactured of 16-gauge galvanized steel with all-welded construction. The completed cabinet is coated with a corrosion-fighting finish. Standard model consists of a motor and direct drive blowers. If auxiliary (stand-by) fans are needed, they can be provided along with the necessary controls to automatically purge and pressurize the building. The auxiliary fan serves secondarily as a redundant fan should a failure occur to the primary fan. Pressurization units can be built to seal off the area from outside air via a damper.

Starting with our time-proven industrial DX air conditioning system, you can include many options, including those listed at left. This all-in-one design allows quicker and more efficient integration into your structure. Form-C dry contacts for alarm outputs are standard, with full remote controls available through an optional BacNet or LonWorks compatible PLC.



Model	A	B	C
PPU 1500	39.50"	66.00"	51.00"
	1003 mm	1676 mm	1295 mm
PPU 2000	39.50"	66.00"	51.00"
	1003 mm	1676 mm	1295 mm
PPU 4000	48.00"	66.00"	51.00"
	1219 mm	1676 mm	1295 mm
PPU 6000	60.00"	66.00"	63.00"
	1524 mm	1676 mm	1600 mm
PPU 8000	60.00"	66.00"	63.00"
	1524 mm	1676 mm	1600 mm
PPU 12000	72.00"	78.00"	63.00"
	1828 mm	1981 mm	1600 mm

- Dimensions shown are representative of our standard vertical, through-the-wall explosion proof Class 1 Div 2 pressurization system
- All dimensions should be considered preliminary, and this drawing should not be used as a final construction document
- Electrical and capacity data provided in this document is accurate at the time of publishing, but Specific Systems reserves the right to modify components in future systems, thereby negating the accuracy of these numbers.
- Please verify all data with your sales representative and subsequent project engineer

MODEL PPU 1500		230/240V	460/480V	230/240V	415V	380V	575V
Electric Power		1Φ-60Hz	3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		5.7	2.5	5	2.2	2.2	2.0
Heat 20kW, Amps (Actual kW)		53.3 (20.1)	26.0 (21.6)	53.3 (20.6)	31.2 (22.4)	29.3 (18.8)	21.7 (21.6)
Heat 15kW, Amps (Actual kW)		37.8 (13.8)	18.5 (15.4)	37.3 (13.8)	22.5 (14.9)	24.9 (15.6)	15.5 (15.4)
Heat 10kW, Amps (Actual kW)		26.0 (10.3)	13.0 (10.8)	26.0 (10.3)	16.0 (11.2)	14.7 (9.4)	10.8 (10.8)
10 kW Heat	MCA w/o Aux Fan	48.6	21.9	41.4	22.1	22.1	17.9
	MOP w/o Aux Fan	60.0	25.0	45.0	25.0	25.0	20.0
	MCA w/Aux Fan	54.3	21.9	46.4	24.3	24.3	19.9
	MOP w/Aux Fan	60.0	25.0	50.0	25.0	25.0	20.0
15 kW Heat	MCA w/o Aux Fan	—	29.2	55.2	34.4	3	23.7
	MOP w/o Aux Fan	—	30.0	60.0	35.0	35.0	25.0
	MCA w/Aux Fan	—	29.2	60.2	36.4	36.4	25.7
	MOP w/Aux Fan	—	30.0	70.0	40.0	40.0	30.0
20 kW Heat	MCA w/o Aux Fan	—	38.9	74.6	39.6	39.6	31.5
	MOP w/o Aux Fan	—	40.0	80.0	40.0	40.0	35.0
	MCA w/Aux Fan	—	38.9	79.6	41.8	41.8	33.5
	MOP w/Aux Fan	—	40.0	90.0	50.0	50.0	40.0
Operating Range		216V–253V	432V–506V	216V–253V	373V–456V	342V–418V	517V–600V

MODEL PPU 2000		230/240V	460/480V	230/240V	415V	380V	575V
Electric Power		1Φ-60Hz	3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		5.7	2.5	5.0	2.2	2.2	2.0
Heat 20kW, Amps (Actual kW)		53.3 (20.1)	26.0 (21.6)	53.3 (20.6)	31.2 (22.4)	29.3 (18.8)	21.7 (21.6)
Heat 15kW, Amps (Actual kW)		37.8 (13.8)	18.5 (15.4)	37.3 (13.8)	22.5 (14.9)	24.9 (15.6)	15.5 (15.4)
Heat 10kW, Amps (Actual kW)		26.0 (10.3)	13.0 (10.8)	26.0 (10.3)	16.0 (11.2)	14.7 (9.4)	10.8 (10.8)
10 kW Heat	MCA w/o Aux Fan	52.9	21.2	41.4	22.1	22.1	17.9
	MOP w/o Aux Fan	70.0	25.0	50.0	25.0	25.0	20.0
	MCA w/Aux Fan	58.6	23.7	46.4	24.3	24.3	19.9
	MOP w/Aux Fan	80.0	25.0	50.0	25.0	25.0	25.0
15 kW Heat	MCA w/o Aux Fan	—	28.2	55.2	34.4	34.4	23.7
	MOP w/o Aux Fan	—	30.0	60.0	35.0	35.0	25.0
	MCA w/Aux Fan	—	30.7	60.2	36.6	36.6	25.7
	MOP w/Aux Fan	—	35.0	70.0	40.0	40.0	30.0
20 kW Heat	MCA w/o Aux Fan	—	37.5	74.6	39.6	39.6	31.5
	MOP w/o Aux Fan	—	40.0	80.0	40.0	40.0	35.0
	MCA w/Aux Fan	—	40.0	79.6	41.8	41.8	33.5
	MOP w/Aux Fan	—	50.0	80.0	50.0	50.0	35.0
Operating Range		216V–253V	432V–506V	216V–253V	373V–456V	342V–418V	517V–600V

MODEL PPU 4000		230/240V	460/480V	230/240V	415V	380V	575V
Electric Power		1Φ-60Hz	3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		9.4	4.8	9.6	4.2	4.2	3.9
Heat 20kW, Amps (Actual kW)		53.3 (20.1)	26.0 (21.6)	53.2 (21.2)	29.3 (19.4)	29.3 (19.4)	21.7 (21.6)
Heat 15kW, Amps (Actual kW)		37.8 (13.8)	18.5 (15.4)	37.6 (15.0)	25.0 (16.5)	25.0 (16.5)	15.5 (15.4)
Heat 10kW, Amps (Actual kW)		26.0 (10.3)	13.0 (10.8)	26.6 (10.6)	14.8 (9.7)	14.8 (9.7)	10.8 (10.8)
10 kW Heat	MCA w/o Aux Fan	91.2	31.2	60.1	36.0	36.0	24.3
	MOP w/o Aux Fan	100.0	40.0	70.0	45.0	45.0	30.0
	MCA w/Aux Fan	100.6	36.0	69.7	40.2	40.2	28.5
	MOP w/Aux Fan	125.0	40.0	80.0	45.0	45.0	35.0
15 kW Heat	MCA w/o Aux Fan	—	31.2	60.9	36.9	36.9	26.1
	MOP w/o Aux Fan	—	40.0	70.0	45.0	45.0	30.0
	MCA w/Aux Fan	—	36.0	70.5	41.1	41.1	30.0
	MOP w/Aux Fan	—	40.0	80.0	50.0	50.0	35.0
20 kW Heat	MCA w/o Aux Fan	—	40.4	80.4	42.1	42.1	33.9
	MOP w/o Aux Fan	—	45.0	90.0	45.0	45.0	35.0
	MCA w/Aux Fan	—	45.2	90.0	46.3	46.3	37.8
	MOP w/Aux Fan	—	50.0	100.0	60.0	60.0	40.0
Operating Range		216V–253V	432V–506V	216V–253V	373V–456V	342V–418V	517V–600V

MODEL PPU 6000		460/480V	230/240V	415V	380V	200V	575V
Electric Power		3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		4.8	9.6	4.2	4.2	8.4	3.9
Heat 20kW, Amps (Actual kW)		26.0 (21.6)	53.2 (21.2)	27.2 (19.6)	29.4 (19.4)	47.6 (17.2)	21.6 (21.6)
Heat 15kW, Amps (Actual kW)		18.6 (15.4)	37.6 (15.0)	22.6 (16.2)	25.0 (16.5)	40.8 (14.7)	15.4 (15.4)
Heat 10kW, Amps (Actual kW)		13.0 (10.8)	26.6 (10.6)	16.0 (11.5)	14.5 (9.7)	23.8 (8.6)	10.8 (10.8)
10 kW Heat	MCA w/o Aux Fan	33.7	65.1	32.5	32.5	62.7	26.5
	MOP w/o Aux Fan	40.0	80.0	40.0	40.0	80.0	30.0
	MCA w/Aux Fan	38.5	74.7	36.7	36.7	71.1	30.4
	MOP w/Aux Fan	50.0	90.0	40.0	40.0	90.0	35.0
15 kW Heat	MCA w/o Aux Fan	33.7	65.1	36.9	36.9	65.4	26.5
	MOP w/o Aux Fan	40.0	80.0	40.0	40.0	80.0	30.0
	MCA w/Aux Fan	38.5	74.7	41.1	41.1	73.8	30.4
	MOP w/Aux Fan	50.0	90.0	50.0	50.0	90.0	35.0
20 kW Heat	MCA w/o Aux Fan	40.4	80.4	42.1	42.1	74.4	33.9
	MOP w/o Aux Fan	45.0	90.0	50.0	50.0	80.0	35.0
	MCA w/Aux Fan	45.2	90.0	46.3	46.3	82.8	37.8
	MOP w/Aux Fan	50.0	100.0	50.0	50.0	100.0	40.0
Operating Range		216V–253V	432V–506V	216V–253V	373V–456V	342V–418V	517V–600V

MODEL PPU 8000		230/240V	460/480V	230/240V	415V	380V	575V
Electric Power		1Φ-60Hz	3Φ-60Hz	3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		15.0	7.5	6.1	6.1	12.1	6.0
Heat 20kW, Amps (Actual kW)		53.2 (21.2)	26.0 (21.6)	27.2 (19.6)	29.4 (19.4)	47.6 (17.2)	21.6 (21.6)
Heat 15kW, Amps (Actual kW)		37.6 (15.0)	18.6 (15.4)	22.6 (16.2)	25.0 (16.5)	40.8 (14.7)	15.4 (15.4)
Heat 10kW, Amps (Actual kW)		26.6 (10.6)	13.0 (10.8)	16.0 (11.5)	14.8 (9.7)	23.8 (8.6)	10.8 (10.8)
10 kW Heat	MCA w/o Aux Fan	96.9	49.1	48.2	48.2	94.6	40.6
	MOP w/o Aux Fan	125.0	60.0	60.0	60.0	100.0	50.0
	MCA w/Aux Fan	111.9	56.6	54.3	54.3	106.7	46.6
	MOP w/Aux Fan	125.0	70.0	60.0	60.0	110.0	50.0
15 kW Heat	MCA w/o Aux Fan	96.9	49.1	48.2	48.2	94.6	40.6
	MOP w/o Aux Fan	125.0	60.0	60.0	60.0	110.0	50.0
	MCA w/Aux Fan	111.9	56.6	54.3	54.3	106.7	46.6
	MOP w/Aux Fan	125.0	70.0	70.0	70.0	125.0	50.0
20 kW Heat	MCA w/o Aux Fan	96.9	49.1	48.2	48.2	94.6	40.6
	MOP w/o Aux Fan	125.0	60.0	60.0	60.0	110.0	50.0
	MCA w/Aux Fan	111.9	56.6	54.3	54.3	106.7	45.6
	MOP w/Aux Fan	125.0	70.0	70.0	70.0	125.0	50.0
Operating Range		432V-506V	216V-253V	216V-253V	373V-456V	342V-418V	517V-600V

MODEL PPU 12000		460/480V	415V	380V	575V
Electric Power		3Φ-60Hz	3Φ-50Hz	3Φ-50Hz	3Φ-60Hz
Evaporator Fan Motor FLA		15.1	14.2	14.2	11.6
Heat 40kW, Amps (Actual kW)		50.0 (41.6)	—	—	41.8 (41.6)
Heat 30kW, Amps (Actual kW)		37.0 (30.8)	43.2 (31.1)	44.0 (29.1)	31.0 (30.8)
Heat 20kW, Amps (Actual kW)		26.0 (21.6)	27.2 (19.6)	29.4 (19.4)	21.6 (21.6)
Heat 15kW, Amps (Actual kW)		18.5 (15.4)	22.6 (16.2)	25.0 (16.5)	15.4 (15.4)
Heat 10kW, Amps (Actual kW)		13.0 (10.8)	16.0 (11.5)	14.8 (9.7)	10.8 (10.8)
10-40 kW Heat	MCA w/o Aux Fan	85.8	94.1	94.1	74.8
	MOP w/o Aux Fan	110.0	110.0	110.0	90.0
	MCA w/Aux Fan	100.9	108.3	108.3	86.5
	MOP w/Aux Fan	125.0	125.0	125.0	125.0
Operating Range		432V-506V	373V-456V	342V-418V	517V-600V