

Packaged Gas Boosters



Gas Pressure on Demand The Plug & Play Option

ETTER Engineering's skid-mounted packaged booster systems arrive at your job site pre-piped, wired, tested, and ready to work.

Our Plug & Play design and construction makes on-site installation quick and easy. Simply mount the skid in place, connect the electrical power to the control panel, interlock to load equipment as necessary, bolt the system's supply and discharge piping to the field piping, then flip the switch!

ETTER's method of installing a gas booster system is more cost effective when compared to purchasing loose components for your contractor to install in the field.

SUFFIX	OPTION
PCFM	Pressure Compensated Flow Module
TRNS	Outdoor Steel Transclosure
XP	Class I Div II Explosion Proof Control Panel and Components
LON	LON Communications Package
PHE	Passive Heat Exchanger Package
FCHE	Fan-Cooled Heat Exchanger Package
REG	Outlet Regulator



Complete With:

- ENGB Hermetic Gas Booster
- Inlet and Outlet Gas Plug Cocks
- Low-Gas Pressure Cut Out Switch
- Inlet Check Valve
- Pressure Gauges with Petcocks
- PLC Touch screen Control Panel
- Inlet and Outlet Gas Flex Hoses

Our Systems Are:

- Heavy Duty
- Factory Tested
- Fully Operational
- Complete and Skid-Mounted
- Approved by:
Con Edison, National Grid, and the Mass. Board

ETTER offers various integrated control philosophies to suit your application needs, along with features such as gas leak detectors, outdoor steel translosures, and heat exchanger packages. Your system can always be customized to meet your needs.



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UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

DESCRIPTIONS CONTAINED HEREIN ARE PROPRIETARY AND MAY NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF ETTER ENGINEERING Co., INC.

DESIGN DRAWN DATE BY
CHECKED
RELEASED

DRYING SYSTEM FOR COATING LINE #7

1268-M-04-01

JOB NO. MECH # REV NTS SCALE NTS

DESCRIPTION DRYING SYSTEM FOR COATING LINE #7

RELEASED TO MANUFACTURING 01 REV DATE

gasPOD. Sizing & Selection Chart



Based on your static gain and flow capacities, select a standard model from the chart below. Always select a booster that can **supply** or **exceed** your actual static and flow requirements.

ENGB NATURAL GAS CAPACITY CHART												
ENGB Family	ENGB MODEL	INLET (INCHES)	OUTLET (INCHES)	WHEEL (ID)	MOTOR HP	LOW FLOW		MID RANGE FLOW		HIGH FLOW		MINIMUM FLOW
						"WC	ICFH	"WC	ICFH	"WC	ICFH	
ENGB1	ENGB - 010	1 1/2	1 1/2	A1	1/2	3.6	800	3.6	1,200	3.6	1,800	0
	ENGB - 020	2	2	A1	1/2	3.6	2,000	3.6	3,400	3.6	4,800	0
	ENGB - 030	3	3	A1	1/2	3.6	4,000	3.1	8,000	2.6	10,000	0
	ENGB - 040	4	4	A2	1/2	3.7	4,000	3.1	11,600	2.7	14,000	0
	ENGB - 050	2	2	B1	1/2	4.8	2,000	4.7	3,400	4.6	4,800	0
	ENGB - 060	3	3	B1	1/2	4.8	3,000	3.8	8,000	3.0	9,500	0
ENGB - 070	4	4	B2	1/2	4.9	5,000	3.8	15,500	3.0	19,000	0	
ENGB2	ENGB - 120	1 1/2	1 1/2	D1	1/2	6.9	800	6.9	1,200	6.9	1,800	0
	ENGB - 130	2	2	D1	1/2	6.9	2,000	6.9	3,400	6.9	4,800	0
	ENGB - 140	3	3	D1	1/2	6.9	4,000	6.9	5,500	6.4	10,000	0
	ENGB - 147	4	4	D1	1/2	6.9	3,000	5.9	12,500	3.2	20,000	0
	ENGB - 150	6	4	D1	1/2	6.9	5,500	4.5	17,000	2.0	23,000	0
	ENGB - 157	4	4	D2	3/4	6.8	7,000	6.7	15,000	6.0	24,000	0
ENGB - 160	6	6	D2	3/4	6.8	10,600	4.5	36,500	2.0	49,500	0	
ENGB3	ENGB - 167	2	2	E1	0.5	9.0	2,000	9.0	3,400	9.0	4,800	0
	ENGB - 170	3	3	E1	0.5	8.9	4000	9.2	8500	9.0	10000	0
	ENGB - 200	4	4	E2	1	9.1	5,000	9.1	15,000	9.1	21,000	0
	ENGB - 210	6	6	E2	1.5	9.1	20000	8.9	31000	8.6	38000	500
	ENGB - 220	6	6	E2	2	9.1	20,000	8.5	40,000	6.9	60,000	500
	ENGB - 227	2	2	F1	1	11.2	2000	10.6	3400	10	4800	0
	ENGB - 230	3	3	F1	1	11.3	4,000	11.3	6,200	11.0	10,000	0
	ENGB - 240	4	4	F1	1	11.3	6500	9.0	17500	6.5	22000	0
	ENGB - 247	4	4	F2	1.5	12.0	10,000	11.2	16,000	10	24,000	500
	ENGB - 250	6	4	F2	1.5	11.3	15000	11.0	21500	10.5	26000	500
	ENGB - 260	6	6	F2	2	11.3	15,000	10.2	29,000	8.8	39,000	500
	ENGB - 270	6	6	F3	3	11.4	20000	11.4	30000	11.3	39000	1000
	ENGB - 280	8	8	F3	5	11.4	20,000	10.8	70,000	9.2	102,000	1000
	ENGB - 283	3	3	G1	1	13.7	4000	13.7	8500	13.7	10000	0
	ENGB - 287	4	4	G1	1	14.8	8,000	14.4	14,000	13	23,500	0
	ENGB - 290	6	4	G1	1.5	13.7	11000	13.4	16500	12.8	23500	0
	ENGB - 300	6	6	G1	2	13.7	11,000	11.0	30,000	7.3	40,000	500
	ENGB - 310	6	6	G2	2	14.8	20000	14.2	28000	13.2	37000	500
	ENGB - 320	8	8	G2	3	13.6	28,000	12.7	50,000	9.3	84,000	1000
	ENGB - 330	8	6	G3	5	13.4	30000	13.2	57000	13.0	69000	1000
ENGB - 340	8	8	G3	7.5	13.4	30,000	13.1	60,000	12.0	100,000	1500	
ENGB - 347	4	4	H1	2	18.2	10000	18.0	17000	17.5	22000	500	
ENGB - 350	6	6	H1	2	18.8	8,000	19.2	16,000	18.8	24,000	500	
ENGB - 360	6	6	H1	3	19.2	18000	18.2	30000	15	44000	1000	
ENGB - 370	6	6	H2	5	18.0	10,000	17.2	35,000	15.2	64,000	1000	
ENGB - 380	8	8	H2	5	18	10000	14.7	70000	8.8	120000	1000	
ENGB - 390	3	3	J1	2	19.8	4,000	19.8	6,500	19.8	10,000	500	
ENGB - 400	4	4	J1	3	19.8	11,000	19.8	16,500	19.7	21,000	1000	
ENGB - 410	6	6	J1	3	22.8	15,000	22.5	22,000	22	28,500	1000	
ENGB - 430	4	4	J2	3	19.8	10,000	19.8	15,000	19.8	20,000	1000	
ENGB - 440	6	6	J2	5	19.8	18,000	19.8	42,000	19.4	61,000	1000	
ENGB - 450	8	8	J2	5	19.8	18,000	18.5	80,000	17.4	94,000	1000	
ENGB - 460	3	3	K1	2	25.9	4,000	25.9	6,500	25.9	12,000	500	
ENGB - 470	4	4	K1	3	25.5	10,000	25.3	14,000	25.5	17,000	1000	
ENGB - 480	6	6	K1	5	25.9	10,000	24.5	27,000	20.7	41,500	1000	
ENGB - 487	4	4	K2	5	26.4	10,000	26.3	14,000	25.5	23,000	1000	
ENGB - 490	6	4	K2	5	26.2	21,000	26.2	26,000	26.0	28,000	1000	
ENGB - 500	6	6	K2	7.5	26.0	34,000	25.0	47,500	25.5	60,000	1500	
ENGB - 510	8	8	K2	10	26.0	34,000	24.0	57,000	17.5	102,000	2000	
ENGB - 520	4	4	K3	7.5	26.0	8,000	26.0	16,000	26.0	21,000	1500	
ENGB - 530	6	6	K3	7.5	26.0	12,000	26.0	20,000	26.0	30,000	1500	
ENGB - 540	8	6	K3	10	26.0	34,000	25.8	52,000	25.0	71,000	2000	
ENGB - 550	3	3	L1	5	36.7	4,000	36.7	6,500	36.7	12,000	1000	
ENGB - 560	4	4	L1	5	36.7	9,000	36.8	15,000	36.3	22,000	1000	
ENGB - 570	6	6	L1	5	36.7	17,500	36.5	20,000	36.0	27,000	1000	
ENGB - 580	6	6	L1	7.5	36.7	17,500	34.0	39,000	31.3	50,000	1500	
ENGB - 590	4	4	L2	7.5	35.9	9,000	36.0	16,000	35.9	21,000	1500	
ENGB - 600	6	6	L2	7.5	34.6	15,000	35.2	25,000	35.2	35,000	1500	
ENGB - 610	8	8	L2	10	36.0	20,000	35.0	40,000	28.3	81,000	2000	
ENGB - 620	4	4	L3	5	37.7	15,000	37.7	17,000	37.7	18,500	1000	
ENGB - 630	6	6	L3	7.5	37.7	28,000	37.5	35,000	37.4	39,000	1500	
ENGB - 640	8	6	L3	10	37.7	28,000	37.3	45,000	36.1	68,000	2000	
ENGB - 649	3	3	M1	10	41.4	6,500	41.4	8,000	41.4	12,000	2000	
ENGB - 650	4	4	M1	10	41.4	9,000	41.4	16,000	41.4	22,000	2000	
ENGB - 660	6	6	M1	10	41.4	22,000	39.0	43,500	35.0	57,500	2000	

Capacity based on Natural Gas, 500 FASL, Sg=0.65, flows measured in Inlet Cubic Feet Per Hour (ICFH). Minimum flow ratings based on: ambient temperature not to exceed 100 °F, gas temperatures not to exceed 70 °F, elevation less than 2,500 FASL, and 168 operating hours at minimum flow rate. Contact the factory with criteria outside of these parameters.

