

BELCO DRYER INSTALLATION INSTRUCTIONS

DRYER DELIVERY: Upon delivery by motor freight carrier, not any visible damage of dryer and carton on freight bill. Dryers damaged beyond repair should be refused. Report damage to motor freight carrier immediately. Hold dryer in carton and skid in "received condition" until inspected by carrier. If dryer signed for as "received in good condition" your claim should be for "Concealed Damage," Retain all packing materials for inspection.

UNCRATING DRYER: Dryer should be handled in upright position at all times. Remove wooden skid by unscrewing four (4) shipping bolts located at the four corners in bottom of dryer. Read instructions attached to front door glass and detailed "Installation & Operator's Manual" in basket. Fill out "Warranty Card" on door and mail to factory.

INSTALLATION: Place dryer on left when installing washer & dryer side by side. Only place on right when installing washer & dryer facing each other. This eliminates door obstruction when loading & unloading machines. Allow 18"-24" clearance behind dryer for duct work and maintenance. Have 12" Min. clearance above dryer. To increase bearing life, level then tilt dryer slightly to the rear by using the four (4) bottom leveling legs. Top door panel has a "dummy lock" and no key is needed. Use a coin to open. The rear panels form a "preheating chamber" which allows incoming air to capture radiant heat from dryer as it enters the oven. Rear panels should always remain on dryer to save energy and keep laundry room cooler.

FRESH AIR SUPPLY: Dryers produce up to 1200 CFM of airflow. Make-up air must be given careful consideration. Each dryer requires 1 1/2 Sq. Ft. of unrestricted air entrance from outside atmosphere into laundry room. Area must be enlarged if louvers or registers cover opening. Locate opening away from exhaust duct outlets. Never close door to laundry room without adequate air supply to dryer. Dryer must be able to breathe for fast drying!

AIR EXHAUST DUCT: Dryers produce combustible lint and must be exhausted to the outdoors. Where possible, it is best to provide a separate (single) air exhaust duct for each dryer. Make duct work short & straight as possible to outdoors. Dryer installed on an exterior wall with exhaust duct thru wall is best. When possible, avoid using 90 degree elbows, use 30-45 degree angles instead. Never reduce the size of exhaust pipe. Outside duct opening must be protected from weather. On horizontal duct work, provide 90 degree elbow on outside wall of building. On vertical duct work up thru roof use a 180 degree "goose neck" to direct exhaust air downward. Duct opening must have 16-20" clearance above ground or roof. **Do not use screens, louvers or caps on outside opening of exhaust duct** which will clog with lint. Duct tape all joints to prevent air & lint from escaping. On installations involving lengthy duct work (over 25 ft.), increase duct pipe size from 8" to 10-12" diameter. Access doors should be installed at strategic points in duct work for periodic inspection & cleaning. The exhaust back pressure, measured by a manometer at dryer exhaust duct, must not exceed 0.3" (0.74 mb) of Water Column. **Note:** Dryer must have proper airflow. Poor airflow will not close the airflow safety switch located on rear of gas ovens and on the front of electric ovens. This consists of a 4" round metal disc mounted on a "trapeze assembly" that swings (is sucked) closed, tripping a micro-switch allowing dryer oven to heat. If metal disc does not close completely... **There is a restriction of airflow!!!**

ELECTRICAL CONNECTIONS: Verify electrical service with dryer data plate. Gas & Steam heated dryers operate on 110 volts/ 20 Amp service and are equipped with a power cord. An internet step down transformer reduces incoming line voltage to 24 volts to operate the control circuit. On electrically heated dryers, provide a "non-fused" disconnect box on rear wall. **Caution;** Use only copper conductor cable of proper ampacity on all service connections. The use of aluminum wire will void warranty! Power supply must be in accordance with all local electrical codes. Overload protection and individual circuit breakers must be installed for each dryer. The drive motor is internally protected against overloading.

GAS CONNECTIONS: Gas heated 25-35-50 lb. dryers are provided with 1/2" inlet N.P.T. pipe connection 3/4" inlet pipe for 75 lb. models; 1" inlet pipe for 115 lb. model. Never reduce pipe size. Verify correct pipe size and line pressure with gas supplier. Dryer must be disconnected from gas supply piping during any pressure testing of that system. Test pressure in excess of 1/2 psig (3.5 kPA) will damage gas valve!!! All gas dryers are built for natural gas operation. If LP (bottle) gas is used, an LP gas conversion kit must be installed. Call Parts Dept. 704/543-6061 to order LP kit. Note: 1/4 psig=7" Water Column (W.C.). The gas valve regulates natural gas pressures between 6-12" W.C. Pressure greater than 12" W.C. (29.9mb) will lock up gas valve. Natural gas dryers should operate at 3.5" W.C. (8.7mb); LP gas dryers should operate at 10.5" W.C. (26.1mb) at gas valve pressure tap. There is no pressure regulation on gas valves modified for LP Gas. Pressure is regulated at LP tank. If gas pressure exceeds 12" W.C. (29.9mb), an in-line pressure regulator must be installed. Rotate air mixture shutter plates on gas burner tubes for minimum yellow color in flame.

OPERATION INSTRUCTIONS: When dryer is first started, the gas burner may not ignite because of air in gas supply pipe. This may cause the Direct Spark Ignition (DSI) system to "Lock-Out." This will cause spark to be off, gas valve to de-energize and DSI Module, indicator light to flash GREEN continuously. To reset DSI system, open & close front door and restart dryer. When 24 volts is applied to DSI Module, indicator lights GREEN, gas valve opens and spark burst for 8 seconds. One flame sensor detects flame, DSI Module indicator remains GREEN while burner has flame. If flame is not established, DSI Module will retry two (2) more times. If no ignition, DSI Module will "lock-out" and indicator light flashes continuously. Open & close front door to reset DSI Module. If indicator light continues to FLASH GREEN, DSI Module is defective and should be replaced.

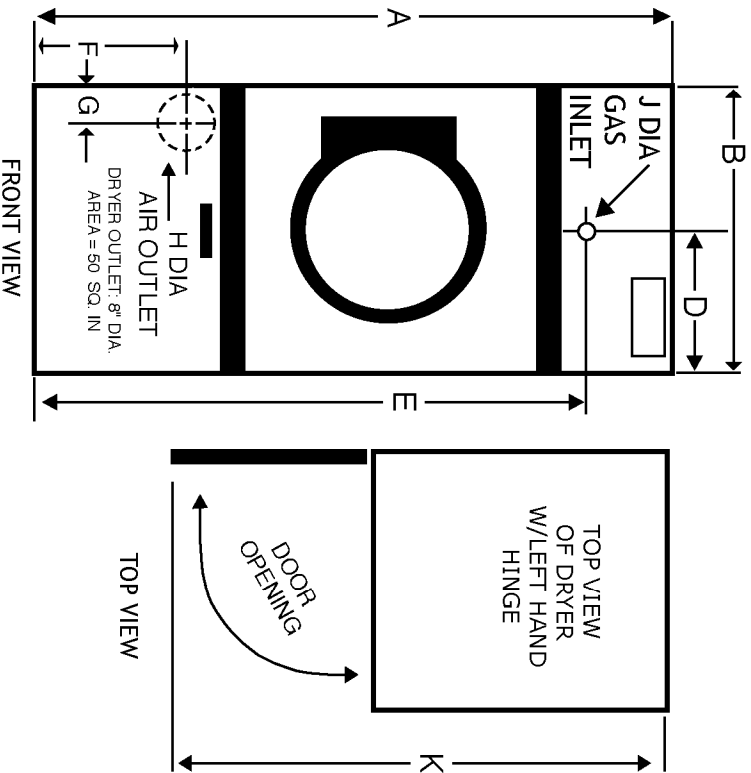
CLEANING: During operation, lint accumulates on the lint screen, thermostats (located under basket), burner area and drive motor. Clean lint screen daily for faster drying. Removing lint from dryer is essential for safe efficient operation. **Never** operate dryer without lint screens in place. **Warning: Lint is highly combustible!** More dryer fires are caused by poor housekeeping than from leaky gas pipes or faulty electrical wires.

LUBRICATION: All bearings on tumbler support, idler shaft & the drive motor are permanently lubricated. No lubrication necessary!

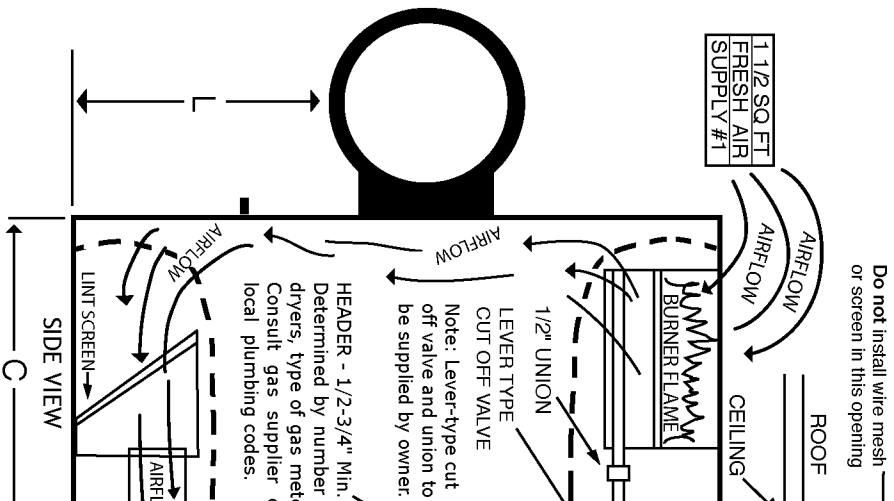
BELT ADJUSTMENT: Make V-belt adjustments periodically. See instructions in the Service & Parts Manual. The correct belt tension should allow V-belts to manually be pushed in 1/2".

WARNING: Never leave building with dryer running and expect the timer to turn dryer off. Timer failure would allow dryer to run all night and possibly cause a dryer fire! Never place combustible materials, gasoline and other flammable liquids & vapors near dryer. **Never** pile items which might catch fire on top of dryer. Keep exhaust and makeup air ducts free of lint build-up. Never dry dust mops in dryer! Many mop treatments are highly flammable. **Mop heads contaminated with oil, gasoline, kitchen grease, flammable chemicals, etc.. cause most dryer fires!!!**

BELCO ATHLETIC DRYER



Important: It is best to place dryer on the left of washer



DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L
25	72"	34 1/4"	30"	13"	63"	20 1/4"	6"	8"	1/2"	56"	31"
35	72"	34 1/4"	38"	12"	63"	10 1/2"	6"	8"	1/2"	58"	31"
50	72"	34 1/4"	50"	13"	63"	20 1/2"	6"	8"	1/2"	76"	31"
75	75"	38 1/4"	50"	10"	65"	19"	8"	8"	3/4"	86"	28"
115	84"	46 1/4"	62"	32"	72"	14 1/2"	8"	14"	1"	97"	26"

Note: Steam heated dryers available on special order.

Contact Belco for specifications.

SPECIFICATIONS

DRY WT. CAPACITY	BASKET SIZE	BASKET VOLUME	MOTOR SIZE	AIRFLOW (CFM)
25 lbs.	33" x 19"	9.26	1/2 HP	500
35 lbs.	33" x 26"	12.50	1/2 HP	500
50 lbs.	33" x 38"	18.30	3/4 HP	750
75 lbs.	37" x 36"	22.40	1 HP	1200
115 lbs.	42" x 42"	33.70	3 HP	2100

(2-Motors)
3/4 HP