

LIGHT DUTY

The LDX air curtain provides spark resistant construction for hazardous areas. This model is unheated and is manufactured for Class I Division 1 Group C & D and Class II Group F & G hazardous areas. The Hazardous Environment air curtains have been used in dewatering, pharmaceutical, and hazardous warehousing facilities.

Key Design Features

- Case is 18 gauge 304 stainless steel in a number three finish.
- Motors are 3/4 HP explosion proof suitable for Class I Group D and Class II F&G. 1630 rpm each.
- Aluminum fans. Tangential type blowers and coupling connection shall not be permitted in order to prevent sparks.
- All internal wiring will be encased in hard pipe and ran to an explosion proof junction box.
- Air intake screen is perforated 304 stainless steel with mill grain finish.
- Hazardous area door switch for activation.
- High efficiency discharge plenum ensures that air being discharged fills the entire width and height of the opening.
- Directional air foil vane factory set to facilitate deflection of air stream +/- 20 degrees.

APPLICATIONS: Manufacturing, painting, power rooms, locations where combustible liquid is stored, grain storage facilities, mining industry, and all other locations where spark resistant equipment is required.



● **CONTROL PANEL OPTION 1** (If a control panel is required)

Non Sparking construction for hazardous areas. Control panel shall be an explosion proof Nema type 9, Class II, Division I and Group E, F, or G. Enclosure will encase magnetic motor starter, overload relays, control transformer and terminal provisions for field wiring. An optional remote mounted explosion proof hand/off/automatic selector switch and an hazardous area door switch can be utilized for turning unit on while the door is open in the automatic position, or having the unit run continuously regardless of the door in the hand position if specified.

CONTROL PANEL OPTION 2 (If a control panel is required)

If standard controls are to be remote mounted in a non-hazardous area, a standard control panel and on/off switch can be utilized. Standard control panel shall be a Nema 12 enclosure. Enclosure will encase magnetic motor starter, overload relays, 115 volt control transformer and terminal provisions for field wiring. Optional on/off selector switch will also need to be placed in a non-hazardous proof area if specified. If a door switch is required, it will need to be rated for hazardous areas.

Sound level: 63 dBA (Measured 10 ft. from unit in a free field based on a 1 motor unit)

UNHEATED	LDX 1-36	LDX 1-42	LDX 1-48	LDX 1-60	LDX 2-72	LDX 2-84	LDX 2-96	LDX 3-108	LDX 3-120	LDX 3-132	LDX 4-144
Nozzle width (in.)	36	42	48	60	72	84	96	108	118	133	145
Max. FPM at nozzle	4218	4218	4218	4218	4218	4218	4218	4218	4218	4218	4218
Max. CFM @ Nozzle	2899	3384	3867	4374	5803	6766	7732	8702	9668	10853	11606
Outlet Velocity Uniformity	95%	93%	92%	91%	95%	93%	92%	95%	94%	95%	95%
Number of motors	1	1	1	1	2	2	2	3	3	3	4
Motor HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Weight	98	106	115	125	185	205	223	271	302	318	370

Motor Voltage Available: 120, 208, 240/1/60
208,240,480, 575/3/60



* For unit over twelve feet long consult factory.