



Bebco Industries

Environmental Control Units Division

WHISPER DRIVE

BUILDING PRESSURIZATION UNIT

UNIT SELECTION GUIDE

		MAXIMUM SQUARE FEET OF OPENING / FLOOR SPACE				
APPLICATION		21 / 80	31 / 250	55 / 700	75 / 1200	
Division Equipment						
WALL MOUNT	2	General Purpose	WDP-12-D2	WDP-16-D2	WDP-20-D2	WDP-24-D2
	1	General Purpose	WDP-12-D1 w/ power control	WDP-16-D1 w/ power control	WDP-20-D1 w/ power control	WDP-24-D1 w/ power control
	1	Division 2	WDP-12-D1	WDP-16-D1	WDP-20-D1	WDP-24-D1
REMOTE MOUNT	2	General Purpose	RDP-12-D2	RDP-16-D2	RDP-20-D2	RDP-24-D2
	1	General Purpose	RDP-12-D1 w/ power control	RDP-16-D1 w/ power control	RDP-20-D1 w/ power control	RDP-24-D1 w/ power control
	1	Division 2	RDP-12-D1	RDP-16-D1	RDP-20-D1	RDP-24-D1

NOTES

APPLICATION

Division column indicates rating of surrounding atmosphere.

Equipment column indicates rating of electrical equipment to be protected.

MAXIMUM SQUARE FEET OF OPENING/FLOOR SPACE

Columns indicate maximum square feet of total openings (doors, windows, etc.), and maximum square feet of floor space, not excluding consumed space.

UNIT SELECTION

Chart indicates available units for wall & remote mount configurations. "w/power control" indicates the need for customer furnished building power disconnects.

Model Number Designations:

- WDP - Wall Dual Pressurization
- RDP - Remote Dual Pressurization
- 12-24 - Fan Blade Diameter
- D1 - Division 1 Unit Rating
- D2 - Division 2 Unit Rating

NOTE: All model numbers appearing on this page are incomplete and require additional designators to specify material and finish preferences

DUCT SELECTION GUIDE

		APPLICABLE MODEL NUMBER FOR UNITS ABOVE			
Accessory Description		12" Unit	16" Unit	20" Unit	24" Unit
SPIRAL, RIGID & FLEX INTAKES	10' Spiral Pipe	SP-12-120	SP-16-120	SP-20-120	SP-24-120
	Spiral Cap	SC-12	SC-16	SC-20	SC-24
	Spiral Tee	ST-12	ST-16	ST-20	ST-24
	Spiral Elbow	SN-12	SN-16	SN-20	SN-24
	Spiral Blind Flange	BC-12	BC-16	BC-20	BC-24
	Spiral Gasket & Bolts	GK-12	GK-16	GK-20	GK-24
	Spiral Pipe Anchor Kit	SPAK-12	SPAK-16	SPAK-20	SPAK-24
	25' Rigid Pipe Stack	RP-12-25-XXX	RP-16-25-XXX	RP-20-25-XXX	RP-24-25-XXX
	Rigid Pipe Anchor Kit	RPAK-12	RPAK-16	RPAK-20	RPAK-24
	Flexible Duct Kit	FDK-12-300	FDK-16-300	FDK-20-300	FDK-24-300
EXHAUSTS	8" Extension	DE-12-8	DE-16-8	DE-20-8	DE-24-8
	16" Extension	DE-12-16	DE-16-16	DE-20-16	DE-24-16
	24" Extension	DE-12-24	DE-16-24	DE-20-24	DE-24-24
	90° Elbow	DN-12	DN-16	DN-20	DN-24
	Curb Flange	DCF-12	DCF-16	DCF-20	DCF-24

INTAKE DUCT SELECTION

Selection includes spiral intake stack and duct parts for normal applications, one piece rigid pipe intake stacks for critical applications and flexible intake duct for portable applications.

Spiral stack parts feature seal-welded, heavy-duty flanges. Spiral elbows and tees feature one (1) rotating coupler for alignment to unit. Custom length spiral pipe w/ flanges available upon request.

Spiral and rigid stack parts are offered in carbon steel w/ hot dip galvanize finish or 304 grade stainless steel.

Spiral Stack Anchor Kits include bolts and concrete drop anchors for heavy duty flange. Rigid Stack Anchor Kits include 3/4" j-bolts for sch. 80 flange.

Flexible Duct Kit includes one (1) coupler flange, one (1) 25' length of flex duct and one (1) intake housing w/ bug screen.

EXHAUST DUCT SELECTION

All parts are universal to adapt discharge of remote mount units for various mounting configurations. Extensions increase length of discharge. 90° Elbow redirects discharge in perpendicular direction. Curb flanges seal extensions that extend through roof or wall openings.

ACCESSORY GUIDE

NOTES

	Description	Model Number
Gas Detector Systems	Combustible Gas Monitor	CGDM-100
	Combustible Gas Sensor	CGDS-100
	Hydrogen Sulfide Monitor	HGDM-100
	Hydrogen Sulfide Sensor	HGDS-100
	Oxygen Deficiency Monitor	OGDM-100
	Oxygen Deficiency Sensor	OGDS-100
	24 VDC Monitor Power Supply	GDPS-100
	12"-16" Sensor Stack Mount Bracket	GDSB-1216
	20"-24" Sensor Stack Mount Bracket	GDSB-2024
ESD & ECO	Hard Wire ESD & ECO Inputs	ESD/ECO-HW
	Intrinsically Safe ESD & ECO Inputs	ESD/ECO-IS
	Intrinsically Safe ESD Input	ESD-IS
	Intrinsically Safe ECO Input	ECO-IS
Alarms	Div. 1 Remote Alarm Beacon	RAB-1
	Div. 2 Remote Alarm Beacon	RAB-2
	Div. 1 Remote Alarm Horn	RAH
Miscellaneous	Earth Anchor Spiral Stack Guy Wire Kit	EAGK-40
	Concrete Anchor Spiral Pipe Guy Wire Kit	CAGK-40
	Adjustable Unit Support Kit	AUSK-5
	Building Pressurization Caution	BPCN-1
	Sealed Door Warning	SDWN-1
	Electrical Disconnect Switch	EDS-240-20-2
	VFD Programmer	VFDP-3.0

GAS DETECTOR SYSTEMS

Monitors are Class 1, Gr. C & D, Div. 1 rated housings featuring an LED indicator, calibration controls and 15 amp form C alarm contacts. Monitors require 24 VDC power supply such as Model GDPS-100 to operate .

Sensors may be mounted directly to monitor or on the intake stack with Model GDSB brackets.

Sensor brackets include contoured and gasketed 304 SS housing, sensor conduit hub, junction box and seal, calibration gas bulkhead fitting with dispersion tube, and mounting screws.

Consult Bebeco Factory Sales Representative for more information.

ESD & ECO

Inputs provide remote operation capability to Building Pressurization Units, as described in Unit Technical Bulletins. Accessory includes necessary wiring, programming and customer wiring interface junction box.

ALARMS

Beacons and Horn are 3/4" conduit mounted explosion proof alarm devices that operate on a 120 VAC alarm signal voltage. Alarms are suitable for use with Pressurization Unit and or Gas Detector alarm contacts. See EPSD Technical Bulletin RAD-R1.0 for complete specifications.

MISCELLANEOUS

Earth and Concrete Anchor Guy Wire Kits include all hardware for 3 point mounting, including anchors, turnbuckles, cables and stack attachment brackets. Kits are rated for 125 mph wind load force. Adjustable Unit Support Kit is intended for all wall mount units and features two pieces of 5' mounting rail and 4 adjustable angle brackets.

Building Pressurization Caution and Sealed Door Warning Nameplates are 3.75" h x 6.5" w silkscreened stainless steel plates with adhesive backing and two 0.125" mounting holes.

VFD Programmer is keypad insert which allows operator to change parameters of VFD. Programmer is not required for normal unit applications.