

## Reliable, Economical Air Sources for Airline Respirators

Easy to operate and easy to maintain, Bullard Free-Air pumps offer a low cost way to supply clean breathable air to workers in contaminated environments. They are an economical air source when compressed air is not available and an inexpensive way to add breathing capacity when a compressed air source is at its maximum utilization.

### Economical

Bullard Free-Air pumps are efficient and economical. They are portable, can be moved quickly and easily from job site to job site, and they require no expensive plumbing or installation. Bullard Free-Air pumps are oil-less so they do not produce carbon monoxide, oil vapor or oil mist. Since you don't need CO monitors, temperature alarms, airline filters, or complicated calibration equipment. Free-Air pumps are frequently a more cost effective alternative to compressed air.

### Easy To Use

Bullard Free-Air pumps are reliable and easy to use. They are available in both electric and air driven models. The electric models have low power requirements; simply plug-in, set your air pressure, and go to work. The air driven model is ideal for both general purpose and hazardous duty use. Used with optional extension hose kits, the breathable air inlet can be located up to 300 feet away from the pump.

### ADP20 (Air Driven)

Air Flow: 30 cfm at 5 psig. Supplies air to:

- Six workers wearing continuous-flow, supplied-air half or full face mask respirators
- Four workers wearing a continuous-flow, supplied-air hood or helmet style respirators
- One worker using Bullard's Frigitron 2000 air conditioner with certain NIOSH-approved Bullard hood-style respirators

Supplied-air respirators used with this pump must be NIOSH approved to operate at 15 psig or less. The air motor requires a continuous supply of 85 cfm air volume at 95 psig for optimum performance.

**Inlet Filter:** Medium efficiency, keeps particles larger than 25 microns out of the air supply. Inlet filter can be extended up to 300 feet from the pump using V50IN and V50EX remote extension hose kits.

**Outlet Filter:** Carbofine with activated carbon

**Weight:** 90 lbs.

**Dimensions:** 12 1/8" wide x 25" long x 15" high (41.5" high with air intake installed).



Run Hour Meter Option



ADP20

## EDP10 (Electric-Driven)

**AIR FLOW:** 10 cfm at 5 psig. Supplies air to two workers wearing continuous-flow, supplied-air half or full face mask respirators, or one worker wearing a continuous-flow, supplied-air hood or helmet style respirator.

Supplied-air respirators used with this pump must be NIOSH approved to operate at 15 psig or less.

Open drip-proof motor drive, for use in clean, dry areas.

**Inlet Filter:** Medium efficiency, keeps particles larger than 25 microns out of the air supply. Inlet filter can be extended up to 300 feet from the pump using V50IN and V50EX remote extension hose kits.

**Outlet Filter:** Carbofine with activated carbon

**Weight:** 49 lbs.

**Dimensions:** 8" wide x 16.3" long x 13.5" high



EDP10

## EDP16TE (Electric-Driven)

**AIR FLOW:** 16cfm at 5 psig. Supplies air to three workers wearing continuous-flow, supplied-air half or full face mask respirators, or two workers wearing a continuous-flow, supplied-air hood or helmet style respirator.

Supplied-air respirators used with this pump must be NIOSH approved to operate at 15 psig or less.

Operates with a totally enclosed fan cooled motor. For use in oily, moist or dusty conditions.

**Inlet Filter:** Medium efficiency, keeps particles larger than 25 microns out of the air supply. Inlet filter can be extended up to 300 feet from the pump using V50IN and V50EX remote extension hose kits.

**Outlet Filter:** Carbofine with activated carbon

**Weight:** 98 lbs.

**Dimensions:** 14" wide x 28" long x 16" high



EDP16TEW

## EDP16HAZ

Same features as EDP16TE plus:

Hazardous-duty motor complies with National Electric Code requirements for hazardous atmospheres.

Thermal overload and starter/contacter to be provided by the user.

## EDP30 (Electric-Driven)

**AIR FLOW:** 30 cfm at 10 psig. Supplies air to six workers wearing continuous-flow, supplied-air half or full face mask respirators, or four workers wearing a continuous-flow, supplied-air hood or helmet style respirator.

Will also supply cool air to two workers using Bullard's Frigatron 2000 air conditioner with certain NIOSH-approved Bullard hood-style respirators.

Supplied-air respirators used with this pump must be NIOSH approved to operate at 30 psig or less.

Air supply hose quick-disconnect pod can be extended 300 feet from pump using V60 extension hose kits.

Open drip-proof motor drive, for use in clean, dry areas.

**Inlet Filter:** Medium efficiency, keeps particles larger than 25 microns out of the air supply.

**Outlet Filter:** Carbofine with activated carbon

**Weight:** 292 lbs.

**Dimensions:** 26" wide x 38" long x 32" high



EDP30

## EDP50 (Electric-Driven)

**AIR FLOW:** 50 cfm at 10 psig. Supplies air to ten workers wearing continuous-flow, supplied-air half or full face mask respirators, or seven workers wearing a continuous-flow, supplied-air hood or helmet style respirator.

Supplied-air respirators used with this pump must be NIOSH approved to operate at 15 psig or less.

Air supply hose quick-disconnect pod can be extended 300 feet from pump using V60 extension hose kits.

Open drip-proof motor drive, for use in clean, dry areas.

**Inlet Filter:** Medium efficiency, keeps particles larger than 25 microns out of the air supply.

**Outlet Filter:** Carbofine with activated carbon

**Weight:** 317 lbs.

**Dimensions:** 26" wide x 38" long x 32" high



EDP50

## Respiratory Work Systems

Bullard offers six convenient airline respirator systems that can be used in a wide variety of job applications - from painting and abrasive blasting to pharmaceutical and chemical manufacturing. All you need for effective respiratory protection comes in one simple package - a combination of dependable and durable Bullard products that provide superior service over time.

**FAMBSYS**



**GR50SYS**



**SPECSYS**



**GENVXSYS**



**88VXSYS**



**CC20SYS**



### **▲ WARNING**

The Free-Air<sup>®</sup> pump WILL NOT filter out respirable dust particles smaller than 25 microns. DO NOT use or store near sandblasting areas where silica particles may remain suspended in the air for long periods of time. Misuse may cause silicosis or other serious or fatal lung diseases.

The Free-Air pump WILL NOT remove carbon monoxide, toxic gases or other contaminants from the incoming air it transfers to the respirator wearer.

The Free-Air pump's air intake MUST be placed in a clean, breathable location at all times.

The breathable air drawn into the inlet filter must meet at least the requirements for Type 1 gaseous air described in the Compressed Gas Association Commodity Specifications G-7.1 (Grade D or higher), as specified by Federal Law 42 CFR, Part 84, Subpart J, 84.142 (b).

Supplied-air respirators used with Bullard Free-Air pumps MUST NOT be used in any atmosphere immediately dangerous to life or health, or from which the wearer cannot escape without the use of the respirator.

Proper motor selection and wiring in accordance with local and national electric codes is the responsibility of the user.

Failure to observe these warnings may result in death or serious injury.



# Bullard Free-Air® Pumps Features and Benefits

## Ordering Information

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
<b>Complete Units</b>		<b>Parts and Accessories for Models EDP10, EDP16-TE, and EDPHAZ</b>	
EDP10	Electric-driven air pump	15921	Service kit, EDP10 (Includes four carbon vanes, inlet and outlet filters and gasket)
EDP16TE	Electric-driven air pump	15922	Service kit, EDP16TE and EDP16HAZ (includes four carbon vanes, inlet and outlet filters and gasket)
EDP16HAZ	Electric-driven air pump (hazardous-duty motor)	244852	Outlet filter jar
EDP30	Electric-driven air pump	S16191	Quick-disconnect coupler, 1/2" Industrial Interchange, EDP16TE and EDP16HAZ
EDP50	Electric-driven air pump	S16483	Quick-disconnect coupler, f1/2" Industrial Interchange, EDP10
ADP20	Air-driven air pump		
<b>Respiratory Work Systems</b>		<b>Parts and Accessories for Models EDP30 and EDP50</b>	
FAMBSYS	EDP10 with FAMB respirator and 100' of breathing air hose	15924	Service kit, (Includes four carbon vanes and bearings)
GR50SYS	EDP10 with GR50 respirator and 100' of breathing air hose	26781	Remote pod, EDP30 (Includes six quick-disconnect coupler, pressure gauge, pressure relief valve and outlet filter cartridges)
SPECLSYS	EDP10 with SPECL35 respirator and 100' of breathing air hose	26782	Remote pod, EDP50, same as above
GENVXSYS	ADP20 with GENVX Series respirator, 50' of breathing air hose, and Frigatron 2000 climate control device	28151	Pressure relief valve, EDP30
		28152	Pressure relief valve, EDP50
88VXSYS16TE	EDP16TE with 88VX Series respirator, and 50' of breathing air hose	S16481	Quick-disconnect coupler, 1/2" Industrial Interchange
CC20SYS	EDP10 with CC20TIC respirator and 100' of breathing air hose	S19681	Pressure gauge, 0-15 psig
88VXSYS	ADP20 with 88VX Series respirator, 50' of breathing air hose, and Frigatron 2000 climate control device	S19683	Pressure gauge, 0-30 psig
		V60	Pod extension hose, 100 foot, 1 1/4" I.D. (three per pod maximum)
<b>Parts and Accessories for all Free-Air® Pumps</b>		<b>Parts and Accessories for Model ADP20</b>	
23611	Inlet filter	244852	Outlet filter jar
S17101	Outlet filter cartridge, Carbofine	15922	Pump service kit (Includes four carbon vanes, 23611 inlet filter and S17101 outlet filter cartridge)
S17931	Cleaning Solvent, 14 oz. aerosol can	17761	Air motor service kit (Includes four carbon vanes, motor bearings, vane springs and seal)
V22	Quick-disconnect coupler adaptor, converts pump quick-disconnect coupler to double 3/8" female NPT	21052	Conversion kit. Includes parts and instructions to convert ADP16 or ADP3CA pumps to ADP20
V23	Quick-disconnect coupler adaptor, converts pump quick-disconnect coupler to single 3/8" female NPT	S09853	Pressure gauge, motor, 0-20 psig
V24	Quick-disconnect coupler to double 1/2" Industrial Interchange coupler	S16222	Pressure gauge, pump, 0-30 psig
V50IN	Remote inlet air hose kit, 50 feet, (one per pump)		
V50EX	Remote extension hose kit, 50 feet, (five per pump maximum)		

## Electric-Driven Pump Specifications

	EDP10	EDP16TE	EDP16HAZ	EDP30*	EDP50
<b>Enclosure:</b>	Open Drip-Proof UL Approved CSA Approved	Totally Enclosed UL Approved CSA Approved	Hazardous Duty UL Approved CSA Approved	Open Drip-Proof UL Approved CSA Approved	Open Drip-Proof UL Approved CSA Approved
<b>Class:</b>	Natl. Elec. Code: Class B Design N Code K	Natl. Elec. Code: Class III Division 1 & 2	Natl. Elec. Code: Class I, Group D, Div. 1 & 2 Class II, Group F, Div. 1 & 2 Class III, Division 1 & 2	Natl. Elec. Code: Class B Design L	Natl. Elec. Code: Class B Design L
<b>H.P.:</b>	3/4	1 1/2	1 1/2	5, 7.5	5, 7.5
<b>Phase:</b>	Single	Single	Three	Single, Three	Single, Three
<b>Cycles:</b>	60	60	60	60	60
<b>Volts:</b>	115 Volts	115 Volts as shipped, may be rewired for 208/230 Volt, 60 H operation	230-460 Volts	208/230/460 Volts	208/230/260 Volts
<b>Amps:</b>	10.2 @ 115 V.	16.0 @ 115 V. 8.0 @ 208/230V	5.0 @ 230 V. 2.5 @ 460 V.	24.0 Amps at 230 V.	24.0 Amps at 230 V.
<b>Protector Overload:</b>	Internal Thermal Overload	Manual Reset Thermal Overload equipped for 115 Volt operation  Thermal overload and starter to be provided by user if rewired to 208/230 volts.	Thermal Overload and Starter/ Contractor to be provided by the user	Internal Thermal Overload in motor starter  *Compatible with Bullard's Frigatron 2000 Air Conditioner for worker cooling.	Internal Thermal Overload in motor starter.

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