



Free-Air® Pumps

Reliable, Economical Air Sources for Airline Respirators.

Easy to operate and 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 and can be moved quickly and easily from job site to job site. Plus, 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 Carbon Monoxide (CO) monitors, temperature alarms, airline filters, and complicated calibration equipment aren't necessary, 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. Electric models have low power requirements; simply plug in, set the proper 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.

Pump and Number of Workers

Model	Cubic Feet Per Minute (CFM)	Number of Workers Wearing Hoods	Number of Workers Wearing Masks	Cooling Options
ADP20	11-31	4	6	Frigitron2000 (1 worker max)
EDP10	10	1	2	None
EDP16TE	16	2	4	None
EDP16HAZ	16	2	4	None
EDP30	30	4	6	Frigitron2000 (2 worker max)
EDP50	50	7	10	None
ICE Pump	8-11	1	1	Frigitron2000 (1 worker max)

*AC1000 with Spectrum Series®- CF Only

Thermal Overload Tips

- Always use 1/2" Connections
- Always use 1/2" Inner Diameter (ID) Hose
- Only use Cool Tubes when compatible
- Never exceed recommended operating pressures
- Always use a heavy-duty extension cord (10 or 12 American Wire Gauge (AWG), 20 amp is recommended)



ICE® Pump

Electric-Driven Pumps - 8 cfm

ICEPUMP11 2HP Electric-Driven, Oil-Less Air Pump with drip-proof motor drive



- Portable with standard wheel kit and roll cage
- Supplies air to one hood-style or mask-style respirator
- Provides 15°F+ (9.5°C+) of ambient cooled air, when used with Bullard's Frigitron2000
- Inlet and Outlet filter cartridges
- Liquid filled Pressure gauge (0-100 psig)
- 6' Electrical cord and On/Off switch (Nema 5-20 Plug)
- One ½" Industrial Interchange (Hansen compatible) quick-disconnect coupler
- Pump Weight: 100 lbs (45KG).
- Shipping Weight: 185 lbs (84KG).

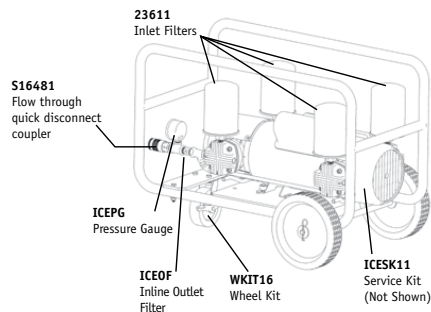


ICE Pump (ICEPUMP11) Electrical Motor Specifications

Enclosure: Open, Drip-proof
 Meets UL Requirements,
 CSA Approved

Class: Natl. Elec. Code:
 Class B
 Design N
 Code K

H.P. 2.0
 Phase: Single
 Cycles: 60 Hz
 Volts: 110/120
 Amps: 19 @ 115
 Service Factor: 1.25
 Protector: Internal Thermal Overload



ICEPUMP11 Replacement Parts

23611 Inlet Filter

- Change every 500 hours or as required
- One required for EDP10, EDP16TE/HAZ, ADP20; two required for EDP30 & EDP50



ICEOF Inline Outlet Filter, 90 micron



V50IN Remote inlet air hose kit, 50' (four needed per pump)



V50EX Remote extension air hose kit, 50' (five per inlet maximum)





ICE® Pump

ICEPUMP11 Replacement Parts

ICEPG Pressure gauge, liquid-filled, 0-100 Pounds Per Square Inch, Gage (PSIG)



ICESK11 Service Kit, ICEPUMP11. Includes Gasket Heads, Cylinders, Seals, Valves, Sleeves, Rings, and Spacers.



FRIGITRON2000 Climate control device, Industrial Interchange (Hansen Compatible)



V20100ST 1/2" Industrial Interchange (Hansen compatible) Quick Disconnect (QD) coupler and nipple, 100' Breathing Air Hose



WKIT16 Wheel Kit Assembly




S16481 Quick-Disconnect Coupler
 • 1/2" Industrial Interchange (Hansen compatible), flow-through
 • 3/8" National Pipe Thread (NPT)



ICEXTCORD25 12 gauge, 20 Amp Extension cord. NEMA 5-20 plugs receptacle 25 feet.

ICEXTCORD50 12 gauge, 20 Amp Extension cord. NEMA 5-20 plugs receptacle 50 feet.

Electric-Driven Pumps - 10 cfm

-  **EDP10** One- to Two-Person Pump
EDP10HM One- to Two-Person Pump (With Run Hour Meter)
- 3/4 HP electric-driven, oil-less air pump with open drip-proof motor drive
 - Supplies air to one hood-style or two half- or full-face mask airline respirators
 - Carrying handle
 - Inlet and outlet filter cartridges
 - Pressure gauge (0-30 psig)
 - 6' Electrical cord and On/Off switch
 - One 1/2" Industrial Interchange (Hansen compatible) quick-disconnect coupler
 - Shipping Weight: 60 lbs (27KG).

EDP1050HZ220V One- to Two-Person Pump

- 220V 50HZ version

EDP1050HZ220VHM One- to Two-Person Pump (With Run Hour Meter)



EDP10



Air Quality and Filtration

 Best Seller

877-BULLARD (285-5273) • International calls +1-859-234-6616



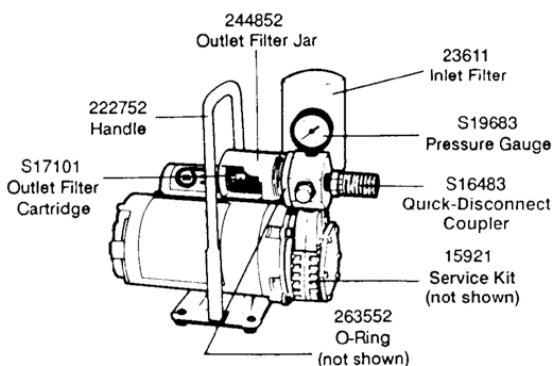
Free-Air® Pumps

EDP10 Electrical Motor Specifications

Enclosure: Open, Drip-proof
 Meets UL Requirements,
 CSA Approved

Class: Natl. Elec. Code:
 Class B
 Design N
 Code K

H.P.: 3/4
 Phase: Single
 Cycles: 60 Hz
 Volts: 115
 Amps: 10.2 @ 115 V
 Service Factor: 1.25
 Protector: Internal Thermal Overload



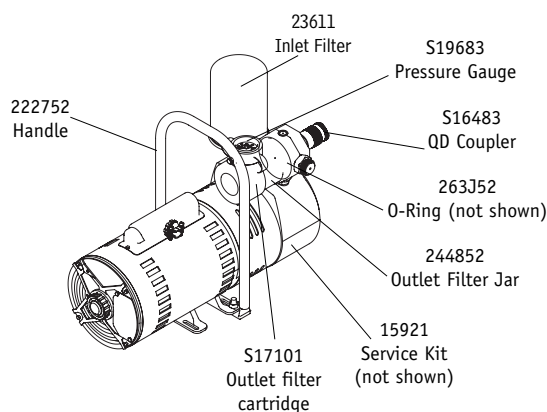
EDP10

EDP1050HZ220V Electrical Motor Specifications

Enclosure: Open, Drip-proof
 Meets UL Requirements,
 CSA Approved

Class: Natl. Elec. Code:
 Class B
 Design N
 Code K

H.P.: 1
 Phase: Single
 Cycles: 50 Hz
 Volts: 110/220
 Amps: 10 @ 110 V / 5.3 @ 220 V
 Service Factor: 1.15
 Protector: Internal Thermal Overload



EDP1050HZ220V

EDP10 Replacement Parts

- 15921** Service Kit for EDP10
 - Four carbon vanes (VANEEDP10)
 - Inlet filter (23611)
 - Outlet filter cartridge (S17101)
- 15923** Service Kit for EDP1050HZ220V
- VANEEDP10** Vane Replacement Kit for EDP10 (set of 4 vanes)



- S19683** Pressure Gauge, 0-30 psi
- EDP10PRV** Pressure relief valve



- S16483** Quick-Disconnect Coupler
 - 1/2" Industrial Interchange (Hansen Compatible), flow-through
 - 3/4" NPT pipe thread
















- 23611** Inlet Filter
 - Change every 500 hours or as required
 - One required for EDP10, EDP16TE/HAZ, ADP20; two required for EDP30 & EDP50
 four required for ICEPUMP11
- 23612** For EDP2A retrofit kit
- 23613** For EDP1A retrofit kit
- HEXADAPTOR** Bushing for EDP10 inlet filter





Free-Air® Pumps

EDP10 Replacement Parts

244852	Outlet Filter Jar	
INLINE10	Replacement Inline Filter Assembly for remote re-locating of outlet	
263552	Outlet Filter Assembly O-Ring	
S17101	Outlet Filter <ul style="list-style-type: none"> Carbofine (change every 200 hours or as required) One required for EDP10, EDP16TE/HAZ, ADP20; four required for EDP30; eight required for EDP50 	
222752	Carrying Handle	
S17931	Cleaning Solvent, 14 oz. Aerosol Can	
V22	Quick-Disconnect Coupler Adapter <ul style="list-style-type: none"> Converts pump's quick-disconnect coupler to double 3/8" female NPT 	
V23	Quick-Disconnect Adapter <ul style="list-style-type: none"> Converts pump's quick-disconnect coupler to single 3/8" female NPT 	
V24	Quick-Disconnect Coupler Splitter/Adapter <ul style="list-style-type: none"> Converts pump's quick-disconnect coupler to double 1/2" Industrial Interchange female couplers (one flow-through, one shut-off) 	
V50EX	Remote Extension Hose Kit <ul style="list-style-type: none"> 50-ft. length Connects to V50IN to extend length Maximum five per pump 1 1/2" ID 	
V50IN	Remote Inlet Air Hose Kit <ul style="list-style-type: none"> 50-ft. length Connects to pump for remote location of inlet filter Maximum one per pump 1 1/2" ID 	
V50INF	Remote Inlet Air Hose Fittings Kit	
HM	Run Hour Meter-Field Conversion Kit	



Air Quality and Filtration



Free-Air® Pumps

Electric-Driven Pumps - 16 cfm

- EDP16TE** Two- to Three-Person Pump
- 1 1/2 HP electric-driven, oil-less air pump with totally enclosed fan-cooled motor drive (TFEC)
 - Supplies air to two hood-style or three half- or full-face mask airline respirators
 - Inlet and outlet filter cartridges
 - Pressure gauge (0-30 psig)
 - Electrical cord and On/Off switch
 - Two 1/2" Industrial Interchange (Hansen compatible) quick-disconnect couplers
 - Shipping Weight: 100 lbs (45KG)

EDP16TE60HZ220V Same as EDP16TE wired for 220V, 60Hz

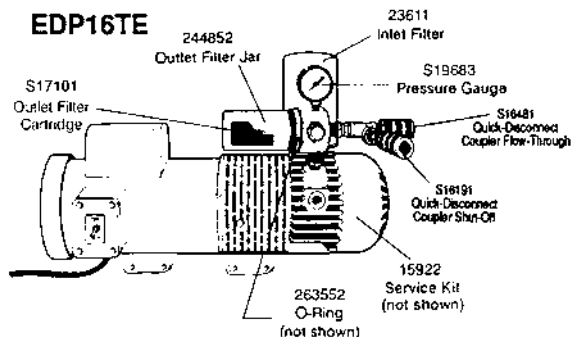
EDP16TEW EDP16TE pump with wheel kit

WKIT16 Wheel Kit for EDP16 Pump, Field Conversion



EDP16TE Electrical Motor Specifications

- Enclosure:** Totally-Enclosed, Fan Cooled
 Capacitor Start
- Meets UL Requirements, CSA Approved
- Class:** Natl. Elec. Code:
 Class III
 Division 1 and 2
- H.P.:** 1.5
- Phase:** Single
- Cycles:** 60 Hz
- Volts:** 115/208/230
 (Connected for 115 V.)
- Amps:** 16.0 @ 115 V
 8.0 @ 208/230 V.
- Service Factor:** 1.15
- Protector:** Manual Reset Thermal Overload equipped for 115 volt operation.
 Thermal Overload and Starter/Contactor to be provided by the user if rewired to 208/230 volts.





Free-Air® Pumps

EDP16HAZ

EDP16HAZ Two-to-Three-Person Hazardous Duty Pump (Not Pictured)

- 1½ HP electric-driven, oil-less air pump with hazardous-duty motor (Explosion Proof)
- Supplies air to two hood-style or three half- or full-face mask airline respirators
- Inlet and outlet filter cartridges
- Pressure gauge (0-30 psig)
- Starter/contacter to be supplied by user
- Two ½" Industrial Interchange (Hansen compatible) Quick-Disconnect couplers
- Shipping Weight: 100 lbs (45KG).

EDP16HAZW With Wheels for ease of mobility



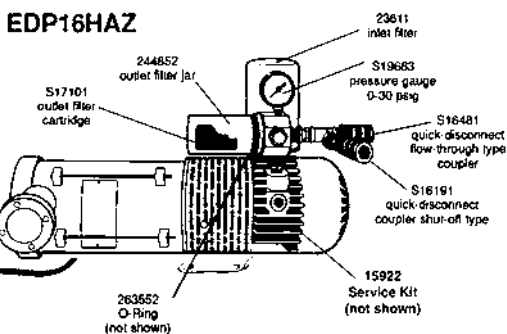
EDP16HAZ Electrical Motor Specifications

Enclosure: Hazardous Duty
 Meets UL Requirements, CSA Approved

Class: National Electric Code:
 Class I, Group D, Div. 1 & 2
 Class II, Group F, Div. 1 & 2
 Class II, Group G, Div. 1 & 2
 Class III, Division 1 & 2<

H.P.: 1.5
 Phase: Three
 Cycles: 60 Hz
 Volts: 230-460
 Amps: 5.0 @ 230 V
 2.5 @ 460 V

Service Factor: 1.0
 Protector: Thermal Overload and Starter/Contactor to be provided by the user.



EDP16HAZ/EDP16TE Replacement Parts

- 15922** Service Kit
- Four carbon vanes (VANE1620)
 - 23611 inlet filter
 - S17101 outlet filter cartridge



- VANE1620** Pressure Gauge, 0-30 psi



- S19683** Pressure Gauge, 0-30 psi



Air Quality and Filtration



Free-Air® Pumps

EDP16HAZ/EDP16TE Replacement Parts

INLINE16 Replacement Inline Filter Assembly for remote re-locating of outlet



S16191 Quick-Disconnect Coupler

- 1/2" Industrial Interchange (Hansen compatible), shut-off
- 3/8" NPT Pipe Thread
- Red Band



S16481 Quick-Disconnect Coupler

- 1/2" Industrial Interchange (Hansen compatible), flow-through
- 3/8" NPT Pipe Thread
- Green Band



23611 Inlet Filter

- Change every 500 hours or as required
- One required for EDP10, EDP16TE/HAZ, ADP20; two required for EDP30 & EDP50, four required for ICEPUMP11



244852 Outlet Filter Jar



263552 Outlet Filter Assembly O-Ring



S17101 Outlet Filter

- Carbofine (change every 200 hours or as required)
- One required for EDP10, EDP16TE/HAZ, ADP20; four required for EDP30; eight required for EDP50



S17931 Cleaning Solvent, 14 oz. Aerosol Can





Free-Air® Pumps

EDP16HAZ/EDP16TE Replacement Parts

V22

- Quick-Disconnect Coupler Adapter
- Converts pump's quick-disconnect coupler to double 3/8" Female NPT



V23

- Quick-Disconnect Adapter
- Converts pump's quick-disconnect coupler to single 3/8" Female NPT



V24

- Quick-Disconnect Coupler Splitter/Adapter
- Converts pump's quick-disconnect coupler to double 3/8" Industrial Interchange female couplers (one flow through, one shut-off)



V50EX

- Remote Extension Hose Kit
- 50-ft. length
 - Connects to V50IN to extend length
 - Maximum five per pump
 - 1 1/2" ID



V50IN

- Remote Inlet Air Hose Kit
- 50-ft. length
 - Connects to pump for remote location of inlet filter
 - Maximum one per pump
 - 1 1/2" ID



Air Quality and Filtration



Free-Air® Pumps

Electric-Driven Pumps - 30 cfm

Electric Driven, Oil-less Air Pump

- All motors are open drip-proof
- Supplies air to:
 - Four hood-style; or
 - Six half- or full-face mask airline respirators; or
 - Two hood-style respirators equipped with FRIGITRON climate control devices.
- Respirators must be approved to operate on 30 psig or less
- Shipped complete with inlet and outlet filter cartridges, pressure gauges, pressure relief valves and one air supply hose Quick-Disconnect pod with six 3/8" Industrial Interchange (Hansen compatible) quick-disconnect couplers
- Three phase motors come standard with protective reversing starters to prevent running backwards
- Shipping weight: 292 lbs (132KG).



NOTE: EDP30 pumps are custom built to your specifications. Contact Bullard Customer Service for lead time information

EDP30A208	Single Phase 5 HP Motor, 208 Volt
EDP30A230	Single Phase 5 HP Motor, 230 Volt

EDP30B208	Three Phase 5 HP Motor, Reversing Starter, 208 Volt
EDP30B230	Three Phase 5 HP Motor, Reversing Starter, 230 Volt
EDP30B460	Three Phase 5 HP Motor, Reversing Starter, 460 Volt

EDP30C230	Three Phase 7.5 HP Motor, Reversing Starter, 230 Volt
EDP30C460	Three Phase 7.5 HP Motor, Reversing Starter, 460 Volt

Electric-Driven Pumps - 50 cfm

Electric Driven, Oil-less Air Pump

- All motors are open drip-proof
- Supplies air to:
 - Seven hood-style; or
 - Ten half- or full-face mask airline respirators
- Respirators must be approved to operate on 15 psig or less
- Shipped complete with inlet and outlet filter cartridges, pressure gauges, pressure relief valves and two air supply hose quick-disconnect pods with six 1/2" Industrial Interchange (Hansen compatible) Quick-Disconnect couplers
- Three phase motors come standard with protective reversing starters to prevent running backwards.
- Shipping weight: 317 lbs (144KG).



NOTE: EDP50 pumps are custom built to your specifications. Contact Bullard Customer Service for lead time information.

EDP50A208	Single Phase 5 HP Motor, 208 Volt
EDP50A230	Single Phase 5 HP Motor, 230 Volt









EDP50B208	Three Phase 5 HP Motor, Reversing Starter, 208 Volt
EDP50B230	Three Phase 5 HP Motor, Reversing Starter, 230 Volt
EDP50B460	Three Phase 5 HP Motor, Reversing Starter, 460 Volt

EDP50C208	Three Phase 7.5 HP Motor, Reversing Starter, 208 Volt
EDP50C230	Three Phase 7.5 HP Motor, Reversing Starter, 230 Volt
EDP50C460	Three Phase 7.5 HP Motor, Reversing Starter, 460 Volt



Free-Air® Pumps

EDP30 and EDP50 Replacement Parts

V60	Pod Extension Hose <ul style="list-style-type: none"> • 100 Feet • 1 1/4" ID • Three per pod maximum 	
26701	Pod Gasket (Filter Side)	
27161	Pod Gasket (Cover Side)	
26781-EDP30 26781-EDP50	Pod Assembly Pod Assembly <ul style="list-style-type: none"> • Pod Assemblies allow the point of connection to be moved closer to the worker while still keeping the pump at an optimal distance for noise, fresh-air, etc. 	
28151	EDP30 Pressure Relief Valve	
28152	EDP50 Pressure Relief Valve	
S16191	Quick-Disconnect Coupler <ul style="list-style-type: none"> • 1/2" Industrial Interchange (Hansen compatible), shut-off • 3/8" NPT pipe thread 	
EDP30WHEEL EDP50WHEEL	Replacement Wheel, 10" rubber wheel, includes cotter-pin (1ea)	



Air Quality and Filtration



Free-Air® Pumps

EDP30 and EDP50 Replacement Parts

- S19683** Pressure Gauge, 0-30 psi
• For EDP30 and EDP50 pod



- S19688** Pressure Gauge, 0-60 psi
• For EDP30 and EDP50 manifold



- S2084** EDP30 Drive Belt (Matched Pair)



- S2089** Kamlok Adapter (Pod)
• 1 1/4" ID aluminum



- S2090** Kamlok Coupler (Manifold)
• 1 1/4" ID aluminum



- 15924** Service Kit
• Four carbon vanes
• Two bearings
• Two cover gaskets





Free-Air® Pumps

EDP30 and EDP50 Replacement Parts

23611	Inlet Filter <ul style="list-style-type: none"> • Change every 500 hours or as required • One required for EDP10, EDP16TE/HAZ, and ADP20; two required for EDP30 & EDP50 	
244852	Outlet Filter Jar	
263552	Outlet Filter Assembly O-Ring	
517101	Outlet Filter <ul style="list-style-type: none"> • Carbofine (change every 200 hours or as required) • One required for EDP10, EDP16TE/HAZ, ADP20; four required for EDP30; eight required for EDP50 	
517931	Cleaning Solvent, 14 oz. Aerosol Can	
V22	Quick-Disconnect Coupler Adapter <ul style="list-style-type: none"> • Converts pump's quick-disconnect coupler to double 3/8" Female NPT 	
V23	Quick-Disconnect Adapter <ul style="list-style-type: none"> • Converts pump's quick-disconnect coupler to single 3/8" Female NPT 	
V24	Quick-Disconnect Coupler Splitter/Adapter <ul style="list-style-type: none"> • Converts pump's quick-disconnect coupler to double 3/8" Industrial Interchange female couplers (one flow through, one shut-off) 	
V50EX	Remote Extension Hose Kit <ul style="list-style-type: none"> • 50-ft. length • Connects to V50IN to extend length • Maximum five per pump • 1 1/2" ID 	
V50IN	Remote Inlet Air Hose Kit <ul style="list-style-type: none"> • 50-ft. length • Connects to pump for remote location of inlet filter • Maximum one per pump • 1 1/2" ID 	



Air Quality and Filtration

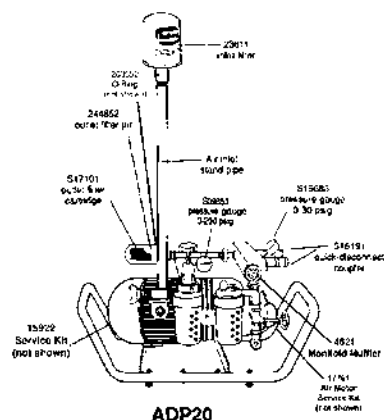


Free-Air® Pumps

Air-Driven Pumps - 30 cfm

- ADP20** Air-Driven, Oil-Less Air Pump
- Supplies air to four hood-style respirators or six half- or full-face mask respirators
 - 30 cfm at 5 psi with minimum 85 cfm at 95 psi incoming drive air pressure
 - Intrinsically safe
 - Pressure gauge (0-30 psig)
 - Two 1/2" Industrial Interchange (Hansen compatible) quick-disconnect couplers
 - Shipping Weight: 100 lbs (45KG).

ADP20 Replacement Parts



ADP20 Replacement Parts

- 17761** Service Kit for Air Motor
- Four carbon vanes
 - Two motor bearings
 - Four vane springs
 - Seal
 - Two body gaskets
 - Two push pins
 - End cap gasket
 - O-ring



- LUBREG** Lubricator Regulator



ADP20 Replacement Parts

- S09853** Pressure Gauge, 0-200 PSI





Free-Air® Pumps

ADP20 Replacement Parts

15922	Service Kit for Pump <ul style="list-style-type: none"> • Four carbon vanes (VANE1620) • Inlet filter (23611) • Outlet filter cartridge (S17101) 	
VANE1620	Pressure Gauge, 0-30 psi	
4621	ADP20 Manifold Muffler	
21052	Conversion Kit <ul style="list-style-type: none"> • Conversion components - ADP16 or ADP3CA to ADP20 	
S19683	Pressure Gauge, 0-30 psi	
S16191	Quick-Disconnect Coupler <ul style="list-style-type: none"> • 1/2" Industrial Interchange (Hansen compatible), shut-off • 3/8" NPT Pipe Thread 	
23611	Inlet Filter <ul style="list-style-type: none"> • Change every 500 hours or as required • One required for EDP10, EDP16TE/HAZ, ADP20; two required for EDP30 & EDP50, Four required for ICEPUMP11 	
244852	Outlet Filter Jar	
263552	Outlet Filter Assembly O-Ring	
S17101	Outlet Filter <ul style="list-style-type: none"> • Carbofine (change every 200 hours or as required) • One required for EDP10, EDP16TE/HAZ, ADP20; 4 required for EDP30; eight required for EDP50 	



Air Quality and Filtration



Free-Air® Pumps

ADP20 Replacement Parts

S17931 Cleaning Solvent, 14 oz. Aerosol Can



V22 Quick-Disconnect Coupler Adapter
 • Converts pump's quick-disconnect coupler to double 3/8" female NPT



V23 Quick-Disconnect Adapter
 • Converts pump's quick-disconnect coupler to single 3/8" female NPT



V24 Quick-Disconnect Coupler Splitter/Adapter
 • Converts pump's quick-disconnect coupler to double 1/2" Industrial Interchange female couplers (one flow through, one shut-off)



V50EX Remote Extension Hose Kit
 • 50-ft. length
 • Connects to V50IN to extend length
 • Maximum five per pump
 • 1 1/2" ID



V50IN Remote Inlet Air Hose Kit
 • 50-ft. length
 • Connects to pump for remote location of inlet filter
 • Maximum one per pump
 • 1 1/2" ID

